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PHASE 1 SUMMARY FOR DELINEATION OF CONTAMINATED SURFACE WATER, SOIL  
AND SEDIMENT NCBC GULFPORT MS  
1/7/1998  
ABB ENVIRONMENTAL



1.3.0.1

January 7, 1998

Southern Division  
Naval Facilities Engineering Command  
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**SUBJECT: Phase I Summary Report for Onsite and Off-site Delineation Activities, Naval Construction Battalion Center (NCBC), Gulfport, Mississippi; Comprehensive Long-Term Environmental Action, Navy District I, Contract No. N62467-89-D-0317/128**

Dear Mr. Conrad:

The following report summarizes the Phase I activities and sampling results.

### 1.0 PHASE I OBJECTIVES

The objective of sample collection was to identify and delineate dioxin-contaminated surface water, sediment, and soil related to the storage and handling of herbicide orange (HO), as required by the Mississippi Department of Environmental Quality (MSDEQ) Administrative Orders (#3193-96 and #3194-96). A phased sampling approach was determined to be the best method to achieve this objective. The approach outlined in the Onsite and Off-base Delineation Workplans (ABB Environmental Services, Inc. [ABB-ES], 1996a and 1996c) broke out the effort into onbase (onsite) and off-base (off-site) regimes. Onbase and off-base sampling was further subdivided into drainage areas and stream segments as they related to surface water flow from the original storage area at Site 8. The work described here did not include delineation of both naturally occurring and nonpoint source dioxins and furans that are nearly ubiquitous. However, some identification of these non-HO dioxins and furans is inherent in this study. Additionally, comprehensive analysis of groundwater was not an objective of this study, although some groundwater and seep samples were collected - primarily as they related to surface water and sediment contamination.

Conceptually, the objectives of Phase I sampling were (1) the **extent** of dioxin and furan contamination associated with HO, (2) the **sources** of dioxins and furans detected, and (3) the **characterization** of dioxin and furan levels with relation to depositional areas and key indicator ratios such as total organic carbon (TOC)/tetrachlorodibenzo-p-dioxin (TCDD) and toxicity equivalent (TEQ)/TCDD.

These objectives were attained by (1) determining which drainage areas (Figure 1, Attachment A) were impacted by the migration of dioxin-contaminated sediments and (2) determining the maximum extent of

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dioxin contamination related to the storage and handling of HO (ABB-ES, 1996a). Additional consideration was given to potential point sources such as Site 4, Site 5, and alternate storage areas around Site 8 (Figures 2 and 3). Onbase samples included sediment, surface water, surface soil, and groundwater media.

To attain these objectives onbase, the surface water drainage systems were divided into six drainage areas. Figure 1 depicts these drainage areas, which together constitute the larger drainage basins. Figure 1 also shows the Phase I onbase sampling locations.

The off-base objectives for Phase I sampling were the same as those onbase, although the scope of the work was more narrowly focused on surface water and sediment in ditches and streams that are hydraulically connected to the base. Figure 4 shows these off-base surface water bodies and sampling locations that were investigated in Phase I.

Whereas the objectives of the first phase of work were designed to identify dioxin-impacted media, the second phase of work will focus on delineation of impacted media. The following sections describe the details of Phase I activities and how well the objectives were achieved. The final section of this report will present the recommendations for Phase II activities.

## **2.0 PHASE I ACTIVITIES**

Phase I activities were conducted over three sampling shifts during April and May 1997. During these sampling activities, 166 locations were investigated and sampled. As shown on Figures 1 and 4, the primary focus was sediment sampling from onbase and off-base ditches. A biased sampling method was used to collect the sediment samples due to the variable nature of dioxin transportation and deposition. The sediment samples were collected in low-energy environments where organic-rich deposits were observed. Previous investigations have shown a strong correlation between results of dioxin and organic carbon. More precisely, the TOC/dioxin relationship has consistently shown that if dioxin is available in the bedload of a particular ditch, then increasing levels of organic carbon will be associated with increasing levels of dioxin. This dioxin/organic carbon relationship was investigated throughout this study, and the results will be presented in Section 3.0.

Surface water samples have consistently produced results that confirm that the dioxin transportation mechanism in ditches is through the bedload sediments and not as dissolved or suspended load in surface water (ABB-ES, 1995a). As a means of confirming this transport mechanism, as well as confirming that surface water onbase is relatively free of dioxin contamination, surface water samples were collected at approximately 20 percent of the locations where sediment samples were collected.

In the 28th Street removal investigation (ABB-ES, 1995a), surface soils in low-lying, flood prone areas were shown to have the potential for receiving dioxin-containing sediment. In response to this discovery, surface soil samples were collected in areas determined to be prone to flooding and overbank deposition. Surface soil samples were also collected from and around Site 8 (Figure 3) to determine the extent of surface soil contamination remaining at the site following the excavation and removal in 1986 and 1987 (EG&G Idaho, 1987).

Groundwater and seep samples were collected from hydraulically downgradient locations at Sites 4 and 5 (Figure 2) to investigate the potential that these landfills could be emitting dioxin sources into the groundwater or directly into the ditches that flow adjacent to both sites. Seven groundwater wells were installed (four at Site 4 and three at Site 5), and two seep samples were collected from Site 4.

The locations of Phase I samples were initially defined at the time of collection by measuring the distances to local landmarks such as buildings or ditch confluences. Later, the locations were more accurately mapped using survey grade global positioning system (GPS) instrumentation.

All groundwater samples and 10 percent of surface soil, sediment, and surface water samples were analyzed for a full suite of analytes. In addition to dioxin and organic carbon, the full suite included chlorinated herbicides, pesticides, polychlorinated biphenyls (PCBs), volatile compounds, and semivolatile compounds.

### **3.0 PHASE I RESULTS**

The Phase I sampling results and interpretation will be presented in two sections: onbase and off-base. These sections will discuss the results of the sample collection, the interpretation of interactions between other chemicals and dioxin (e.g., solvents that may mobilize dioxin), and the relationships between dioxin and naturally existing conditions (e.g., TOC and low energy depositional environments). The discussion of these results will focus on (1) the extent of dioxin and furan contamination associated with HO, (2) sources of dioxins and furans detected, and (3) characterization of dioxin and furan levels with relation to depositional areas and key indicator ratios such as TOC/TCDD and TEQ/TCDD.

One important note is that many samples were reanalyzed as a result of late continuing calibration checks on the first set of data. The reanalyzed samples, designated with a P2 extension, were virtually identical to the original (P1) data set — confirming the validity of the original set. For Phase I results, P2 results will be reported as the “result” except for instances where P1 samples passed validation. Additionally, there are 27 resampled locations (P3) due to the laboratory’s inability to run P2 samples. This usually occurred because of a lack of extract volume for a second analysis (P2).

ABB-ES conducted a triplicate study (1996d) on sediment dioxin samples that showed results below 15 parts per trillion (ppt) were not reliably reproduced. This is likely due to matrix interferences (because collected samples were highly organic) and limitations of laboratory equipment and U.S. Environmental Protection Agency Method 8290. Given the results of the triplicate study, a reliable lower detection limit is 15 ppt, even though lower numbers may be reported by the laboratory.

### **3.1 ONBASE RESULTS**

The following sections present the results for the investigation conducted on the base within Drainage Areas 1 through 6, Site 8 surface soils, and groundwater from Sites 4 and 5.

#### **3.1.1 Drainage Area 1**

Drainage Area 1 is the largest of the drainage areas onbase and includes the majority of the primary source area — Site 8 (Figure 1). The focus of sampling in Drainage Area 1 was the sediment and surface water in the drainage ditches that receive drainage from Site 8 and the Site 8 surface soil.

**Sediment Samples.** Sediment samples from the ditches in Drainage Area 1 produced results that ranged from less than 1 ppt (D1005) to 1.02 parts per billion (ppb) (EEN2U) (see Attachment B, results tables). The highest levels were encountered in the sediments on Site 8 (especially in upstream pools of existing sediment recovery traps [SRTs]) and in depositional areas near Outfall 3 north. In fact, a very strong trend of significantly decreasing numbers was observed at each of the SRTs downstream of Site 8 in this drainage area. An average ratio of 3 to 1 was observed from upstream to downstream samples for SRTs in this drainage area. Therefore, it was not surprising to obtain results of 57 ppt and less for the HO ditch (Figure 1) from SRT-5 to the confluence with the secondary HO ditch.

However, at the confluence of these two ditches, the results again move higher (D1010 at 82.8 ppt and D1011 at 99.6 ppt), even though there is no significant change in the depositional environment within the ditch. Additionally, D1010 was sampled from an upstream (of the HO ditch) location in the secondary HO ditch, which may indicate that this ditch currently receives or previously received

contaminated sediment from the HO ditch. This new pathway from Site 8 will require further investigation in Phase II (see Figure 10, Phase II Sampling Locations).

In Drainage Area 1, where the TEQ result was above 15 ppt, the TCDD/TEQ ratio was 90 percent — a ratio indicative of an HO source. The ratio of TCDD to TEQ did decrease with distance from Site 8.

**Surface Water Samples.** Dioxin results for surface water samples were all significantly lower than their sediment counterparts. The dioxin TEQs for surface water samples ranged from nondetect to 2.96 parts per quadrillion (ppq) (D1005) (Attachment B). It is interesting to note that the highest surface water sample result originated from the same location that produced the lowest sediment sample result in Drainage Area 1 (Figure 5). These results again confirm the operating conceptual model that dioxin contamination in the ditches is primarily contained within the bedload sediment. Further evidence of this model was observed in the dioxin organic carbon study presented later in this section.

**Surface Soil Samples.** Surface soil samples were collected from within and around Site 8 (Figure 3). It should first be noted that excavation and remediation of soils above 1 ppb were performed in this area previously in 1986 and 1987 (Hazardous Waste Remedial Action Program, 1991). Initially, the entire area was stabilized with soil cement for equipment storage. Large blocks of this soil cement were removed during the investigation, leaving low-lying areas that have gradually filled in with soil and ash in the proceeding 10 years. Otherwise, Areas A, B, and C are much as they were in 1987.

Soil samples were collected from a variety of regimes — stabilized soil, remediated areas, ditch overflow areas, and general low areas or swales. The initial spread of samples was intended to ring Site 8 so that the horizontal extent of soil contamination due to HO storage could be determined.

The results of the soil samples (Figure 7 and Attachment B) show that the extent of soil contamination above 15 ppt is generally restricted within the boundaries of Site 8. The exceptions occur at samples L8014, L8018, L8023, and L8031; these samples are outside the boundary of Site 8 and will require additional sample collection in those areas (see Figure 10). Outside of Site 8, the highest result was from L80014 (181 ppt), while the majority of the samples were below 15 ppt.

Overall, elevated levels in surface soil (above 15 ppt TEQ) were most consistently observed with elevated TOC levels and were most likely to be collected in low areas (both swales and excavation pits). The stabilized soil samples consistently yielded results below 15 ppt, which is a good indication that the initial study and remedial activities were successful.

### **3.1.2 Drainage Area 2**

**Sediment Samples.** Drainage Area 2 occupies a small part of the northern parts of Site 8 (Areas A and B) and includes the drainage ditches that carry surface water north to Outfall 4 (Figure 1). The samples were collected from the ditches within this area using the biased sampling approach outlined in the Onsite Delineation Workplan (ABB-ES, 1996a).

The results of these sediment samples ranged from approximately 4 ppb (D2001) at Site 8 to 0.5 ppt (D2006) at Outfall 4 (Figure 5 and Attachment B). The levels of dioxin TEQ in the sediment samples decreased rapidly in the ditches downstream of Site 8. The rapid decrease is likely due to the result of dioxin particles binding with organic carbon and being restrained in the sediment. The rapid decrease in dioxin TEQ levels may also have been aided by ditch “cleaning” activities conducted by the base until these activities were halted in 1991.

In Drainage Area 2, where the TEQ was above 15 ppt, the corresponding TCDD/TEQ ratio was 94 percent — a number indicative of an HO source. It should also be noted that the ratio did show a decreasing trend with distance from Site 8.

**Surface Water Samples.** Dioxin results for surface water samples were all significantly lower than the sediment samples at the same locations (Figure 5). The dioxin TEQs for surface water samples ranged from 36 ppq (D2006) to 42 ppq (D1005) (Figure 5 and Attachment B). These results again confirm the operating conceptual model that dioxin contamination in the ditches is primarily contained within the bedload sediment.

### 3.1.3 Drainage Area 3

**Sediment Samples.** Drainage Area 3 comprises the drainage ditches east of Holtman Avenue (Figure 1) — including Site 8, Area C. The ditches of this drainage area drain to the east, eventually exiting the base at Outfall 2 South. The samples in this drainage area were collected following the procedures outlined in the Onsite Delineation Workplan (ABB-ES, 1996a). Samples were only collected from ditches in this area that are hydraulically connected to Site 8.

The results of the eight sediment samples in this drainage area ranged from a low of 0.2 ppt (D3006) at Outfall 2 South to a high of 120 ppt (D3001) near Site 8C. Other than D3001, all results in this drainage area were below 15 ppt (Figure 5 and Attachment B). In sample D3001, TCDD comprised nearly 70 percent of the total TEQ.

Other than much lower results from Site 8C, no other discernable trends could be determined — mainly because of the relatively low sample density.

**Surface Water Samples.** Dioxin results for surface water samples were all significantly lower than the sediment samples at the same locations. The dioxin TEQs for surface water samples ranged from 0.2 ppq (D3003) to 13 ppq (D3007). These results again confirm the operating conceptual model that dioxin contamination in the ditches is primarily contained within the bedload sediment.

### 3.1.4 Drainage Area 4

**Sediment Samples.** Drainage Area 4 primarily consists of the drainage ditches that exist along 9th Street and Sylvester Drive in the northeastern part of the base (Figure 1). Hydraulically, Area 4 is not directly connected to Site 8 at this time, although it was close enough to warrant investigation. This drainage area eventually flows south and merges with Drainage Area 3 at Outfall 2 South.

Three sediment samples were collected in this drainage area, and the results did not indicate significant dioxin contamination — especially for TCDD (Figure 5). The results were 3.3 ppt, 32.8 ppt, and 3.9 ppt for D4001, D4002, and D4003, respectively. The results for D4002 can almost entirely be accounted for by hepta- and octa-chlorinated dioxins and furans, which are not necessarily indicative of an HO source (Attachment B).

No surface water samples were collected in Drainage Area 4.

### 3.1.5 Drainage Area 5

**Sediment Samples.** Drainage Area 5 encompasses the southern part of the base from Bainbridge Avenue west to Canal No. 1, including Installation Restoration (IR) Sites 4 and 5 (Figure 1). The drainage area continues north along Canal No. 1 until the northern base boundary at Outfall 1 north (Figure 1).

Seventeen sediment samples were collected in this drainage area. This may seem like an inordinate number for an area that is not hydraulically connected to Site 8; however, previous sampling has produced results with elevated levels of dioxin and TCDD (ABB-ES, 1995b). Conceptually, this may indicate an HO source, although the release mechanism has yet to be determined. At this time, there are considered to be three primary sources: (1) HO drum disposal at Site 4, (2) HO drum disposal at Site 5, and (3) direct application of HO in the ditches as a herbicide.

In the upper reaches of the drainage area (east of Colby Avenue), sediment samples D5002 through D5004 were collected, and the results were below 16 ppt (Figure 5 and Attachment B). The dioxin results at D5001 (just north of the parade field) were elevated due to interference with high levels of diphenyl ether contamination. The presence of these ethers has led to additional sampling, and it is currently understood that high levels of PCBs (possibly related to transformer oil) were spilled at that location. The PCB and ether contamination appears to be limited to 100-foot length of the ditch and will be handled under another program.

West of Colby Avenue, the drainage ditches are larger and carry surface water past IR Sites 4 and 5. In this part of the drainage area, the results are higher — 6 of the 10 samples were above 20 ppt — with the highest result in a good depositional area downstream of Site 4 (D50015 at 31 ppt) (Figure 5). The TCDD congener accounts for approximately 20 to 25 percent of the TEQ in most of these samples (8 out of 10), with an average 23 percent.

However, these results do not definitively prove that dioxin is migrating directly out of the landfills. This is secondary evidence, especially with the result of D5005, which is upstream of both landfills and produced a result of 18 ppt with nearly 80 percent of the TEQ resulting from TCDD. It is more likely that both direct application of HO and some seepage from the landfills occurred as shown by the results of the seep samples and groundwater samples in this drainage area.

**Surface Water Samples.** Dioxin results for surface water samples were all significantly lower than the sediment samples at the same locations. Four surface water samples were collected in this drainage area (Figure 5). The dioxin TEQs for surface water samples ranged from 2.6 ppq (D5004) to 3.6 ppq (D5009) (Attachment B). These results again confirm the operating conceptual model that dioxin contamination in the ditches is primarily contained within the bedload sediment.

**Seep Samples.** Two seep samples were collected from Site 4. The seeps emanate on the west side of the site where Canal No. 1 is adjacent to Site 4 (Figure 6). The samples were collected following the method outlined in the Onsite Delineation Workplan (ABB-ES, 1996a). No samples were collected from Site 5 due to a prolonged period without significant precipitation resulting in no flowing seeps.

Seep sample L4001P produced a result of 82.9 ppq (TEQ) with a TCDD result of 14.1 ppq (Figure 6 and Attachment B). The TEQ for L4002P was 44.71 ppq with TCDD a nondetect, although pentachlorodiphenodioxin (PeCDD) was present at 11.9 ppq. The presence of TCDD and PeCDD in the seeps can be a strong indication that HO (2,4,5-trichlorophenoxyacetic acid [2,4,5-T]) may be the source of the dioxins and furans in the samples. These results are of special concern since both seeps spill directly into Canal No. 1. The TCDD/TEQ ratio is lower than those observed at sediment locations in the drainage area, although this may be an indication of multiple dioxin sources.

Additional seep samples will be collected at Site 4 and Site 5 during Phase II. Seep samples may be collected earlier if favorable conditions develop.

**Groundwater Samples.** Four groundwater wells were installed and sampled at Site 4, and three wells were installed and sampled at Site 5 during Phase I (Figure 2). These new monitoring wells were

required because the initial wells installed during the Verification Study (Harding Lawson, 1987) were in either upgradient or cross-gradient locations. Again, the results of samples collected from these wells are important due to the close proximity of drainage ditches and the hydraulically downgradient limits of both of these landfills. All of these new wells were installed to approximately 25 feet in depth using a roto-sonic drill rig to minimize waste generation.

As is typical of the region, the groundwater in these wells was slightly acidic and marked by turbidity resulting from the high levels of organic material in the shallow part of the aquifer (0 to 10 feet).

The results from Site 4 groundwater sampling were rather unremarkable in that none of the TEQs were above 26 ppq, and no TCDD was reported in any of the samples (Figure 6 and Attachment B). The range of results was from a low of 0.65 ppq (GPT-4-5) to 26.4 ppq (GPT-4-6). These results do not indicate an HO source for dioxin in the vicinity of these new wells although these results do not preclude the possibility, especially with the results of the seep samples. When considering dioxin results in groundwater, it should be kept in mind that the result only represents that particular location in the groundwater and should not be used to interpret large distances from the monitoring well. This consideration is necessary because of the relative immobility that dioxin has demonstrated in groundwater (ABB-ES, 1997a). A more definitive answer to dioxins at Site 4 will have to wait until the Groundwater Monitoring Workplan (ABB-ES, 1997b) is implemented.

At Site 5, three new monitoring wells were installed in downgradient locations between the site and the drainage ditch that is adjacent to the site.

The TEQs at Site 5 were consistently higher than at Site 4 with a range of 39.1 ppq (GPT-5-5) to 42.7 ppq (GPT-5-6) (Figure 6 and Attachment B). The result at monitoring well GPT-5-4 was 40.4 ppq, but that included a TCDD result of 4.0 ppq. While nearly 40 percent of these TEQs result from octachlorodibenzodioxins (OCDDs) and heptachlorodibenzo-p-dioxin (HpCDDs), the presence of TCDD is a concern as it may be an indication of HO disposal in this landfill. At Site 5, seep sample results and the implementation of the Groundwater Monitoring Workplan (ABB-ES, 1997b) will provide more definitive answers to HO disposal at this IR site.

### **3.1.6 Drainage Area 6**

**Sediment Samples.** Drainage Area 6 encompasses a part of the southern part of the base that includes Outfalls 3, 4, and 5 south. While not hydraulically connected to Site 8, the MSDEQ expressed some concern over earlier dioxin results along Perry Avenue (ABB-ES, 1996b) that showed low level dioxins (less than 10 ppt) in the sediments. As a response, six sediment samples were added in this area.

The results of these samples (Figure 5 and Attachment B) did not include any TCDD, and the TEQs were all below 20.4 ppt (D6005P3). The majority of the TEQs could be accounted for by OCDDs and HpCDDs — a good indication that these results are not HO in origin.

### **3.1.7 Nondioxin Sample Results**

The onbase nondioxin results included volatiles, semivolatiles, pesticides, PCBs, and herbicides. TOC was also collected, but it will be discussed in the next section. A full discussion of nondioxin compounds will not be provided here, but will be in the Phase II report. Only results that are significantly above maximum contaminant limits (MCLs) or ones that directly relate to HO will be discussed.

Low levels of 2,4,5-T were observed in soil sample L80025 (52 ppb) at Site 8. In the sediment at D3005, 4,4'-dichlorodiphenyl dichloroethane was reported at 970 ppb.

The one area of concern for nondioxin compounds is at Site 4, monitoring well 5 (GPT-4-5). The results from this well indicated vinyl chloride at 37 ppb, 1,2-dichloroethene (total) at 180 ppb, and trichloroethene at 4.7 ppb. The results in monitoring well GPT-4-5 warrant additional investigation due to the fact that these contaminants are known carcinogens, very mobile in groundwater, and located within 1,000 feet (downgradient) of the base boundary.

### **3.1.8 Characterization of Results**

As has been discussed in the previous sections, the interpretation of dioxin results in this program extends beyond calculating TEQs and presents just those results. Characterization of dioxin contamination was one of the three primary objectives stated in the beginning of this report, and it will help determine Phase II sampling locations, develop predictive tools through the analysis of key indicator ratios (discussed below), and finally will be crucial to the eventual removal and remedial activities undertaken in the future.

### **3.1.9 Dioxin TEQ/TOC Relationship**

All sediment samples were split so that the relationship between organic carbon and dioxin TEQ could be studied. In earlier investigations (ABB-ES 1995a), the relationship was determined to be that if dioxin was available for the bedload, then increasing TOC was associated with higher levels of dioxin (TEQ).

The earlier investigation used a smaller database (35 samples) than the Phase I investigation (143 samples). For clarity of presentation, several data filters were run on the data. First, all background samples were removed. This was done because dioxin levels would be much lower since these areas did not receive sediment from the base of Site 8, which would skew the graph (Figure 10) toward the y-axis. Second, samples that were primarily soil and not sediment were removed. Again, this was done because soil samples collected outside the ditch bottoms are much less likely to contain significant amounts of organic carbon and would skew the graph toward the x-axis.

The graph of organic carbon against dioxin TEQ presented as Figure 10 shows that the relationship is quite strong, although different than observed before. In the overall graph, the organic carbon range is from 1,000 parts per million (ppm) to 100,000 ppm, while the TEQ range is from nondetect to 100 ppt. The TEQ (x-axis) was limited to 100 ppt to clarify the relationship in the low end of results (0 to 100 ppt), which is where most of the interest will be during delineation and removal/remedial actions.

The trend displayed in this graph shows that the relationship is quite steep until approximately 30 ppt TEQ. After that, the curve flattens out considerably, all the way to 1 ppb (not shown on this graph). What we also observe is a "cap" of approximately 30,000 ppm for TOC samples that may limit the upward trend of the graph. The  $R^2$  value for the overall graph is not very high, indicative of the obvious scatter about the best-fit line. This graph is best used for a qualitative comparison of the relationship.

This graph confirms the qualified relationship between organic carbon and dioxin TEQ, although it is the relationships shown in the individual drainage basins where this connection becomes clearer and more useful.

As shown in the seven individual drainage area figures that follow the overall graph, the dioxin to TOC relationship shows a clear trend, especially in areas with higher levels of dioxin contamination (Drainage Area 1 and Outfall 3 Swamp). Interestingly, the peaks and valleys in the corresponding values can be attributed to physical factors such as SRTs, natural ponding areas, and proximity to Site 8. These individual drainage area graphs were used to determine the TOC delineation lines (up to 20 TOC samples) that will reduce the number of expensive dioxin samples, while still providing accurate estimates of dioxin

levels. Specifically, the results of the TOC samples will be plotted against the dioxin line on the individual graphs to determine an approximate dioxin level. Leading and trailing indices were not determined at this point because the graph scales for TEQ were different from one another and would not have been useful for determining Phase II sampling locations, although this will be accomplished in the Phase II report.

### **3.1.10 TEQ/TCDD Ratios**

While the TEQ/TOC relationship was useful for locating likely deposits of dioxin-containing sediment, the other key indicator ratio (TEQ/TCDD) was determined to guide the delineation in the right direction – tracking dioxins and furans related to HO. It should be noted here that using the TEQ/TCDD ratio as an indicator of an HO source is really best suited for high (75 percent and above) and low (less than 10 percent) ratios. Ratios in between these levels may indicate multiple sources, non-HO sources, or could be the result of differential transportation patterns of individual congeners.

With this in mind, the TCDD/TEQ ratios for sediments collected immediately around Site 8 were nearly all 90 percent or greater. This was a strong indication that the dioxins were derived from an HO source because 2,4,5-T tends to generate TCDD in much greater proportions over other dioxin and furan congeners. Following the drainage ditches away from Site 8, two trends are apparent: (1) TCDD/TEQ ratios decrease with distance and (2) overall total TEQs decrease with distance – indicative of the bedload transport mechanism. For Drainage Areas 1 and 2, the average TCDD/TEQ ratios are 90 percent and 94 percent respectively, while in other areas not hydraulically connected to Site 8 the ratios tend to average less than 15 percent. Ratios do not exclude HO as a potential source; that determination will require a full-scale fingerprint.

Off base, Outfall 3 Swamp area produced the highest TEQs (up to 254 ppt) and the highest ratios (average of 76 percent). The ratios in the swamp are comparable to those immediately upstream on the base and are the best indication that HO-related dioxins and furans were transported off the base in sediment.

## **3.2 OFF-BASE RESULTS**

This section presents the investigative and sampling results obtained during off-base activities as outlined in the Off-site Delineation Workplan (ABB-ES, 1996c). The work off base was more narrowly focused on sediment and surface water in areas that are hydraulically connected to the base. Specifically, these areas include Canal No. 1, Turkey Creek, Brickyard Creek, Bernard Bayou, and the Outfall 3 Swamp (Figure 4).

### **3.2.1 Canal No. 1**

Off-base samples in Canal No. 1 included two upstream of the base and three downstream of the base (Figure 4). Sample results (Figure 8, Attachment A) for C1001 and C1002 were initially considered background, but during the investigation it was discovered that surface water could flow southwest into Canal No. 1 during periods of heavy rain. C1001 (5.1 ppt) and C1002 (4.2 ppt) do not produce results consistent with HO-related dioxin, which may indicate that little sediment transport is moving off base at that location, or that high energy surface water is scouring out the bedload.

The remaining Canal No. 1 samples were collected north of the base (Figure 8) with results that ranged from 12.8 ppt (C1003) to 0.577 ppt (C1006). Low levels of TCDD were detected in C1003 and C1005. The low levels detected immediately north of the base in Canal No. 1 may be the result of the removal

action conducted in 1995 (ABB-ES, 1995a). The pre-excavation level at C1003 was approximately 75 ppt.

The surface water sample collected at C1001 yielded a result of 39.4 ppq, although most of that TEQ was from octa- and hepta-chlorinated dioxins.

### **3.2.2 Turkey Creek**

Turkey Creek receives surface water from Canal No. 1 (via Outfall 1 North) and the drainage ditch from Outfall 4 North (Figure 4). Ten locations were investigated and sampled. Samples TC001 and TC002 were upstream of any base influence. The downstream end of the Turkey Creek samples was established just north of the airport at the point where the channel widened significantly and large amplitude meanders began.

Turkey Creek has a coarse bedload with little organic material that tends to yield low dioxin TEQs, which is exactly what was observed. For the 10 sediment samples (Figure 8 and Attachment B), the highest TEQ was 11.3 (TC004) with an average result of 3.2 for the entire group. Only one sample had any TCDD in it at all and that was only 1 ppt (TC009). The surface water sample collected at TC006 was only 0.5 ppq.

These results for Turkey Creek were not surprising given the high-energy environment in the channel and the resulting coarse-grained bedload. At this point, no more dioxin samples in Turkey Creek are proposed.

### **3.2.3 Brickyard Creek (Bayou)**

Brickyard Creek (also sometimes referred to as Brickyard Bayou) flows from southwest to northeast south of the base (Figure 4). Brickyard receives flow from the base via Outfall 2 South. East of the base, Brickyard Creek flows through a relatively straight channel south of the airport to Bernard Bayou about 2.5 miles south of the point where Turkey Creek enters the bayou.

Conceptually, Brickyard is not a major receptor for surface water or sediment from the base. Because of this, only two samples were originally planned for the entire area. However, dioxin samples collected in the creek produced results that caused questions about the original conception regarding contributions from the base. In response to these results, three discretionary samples were placed in Brickyard downstream of the airport (Figure 4).

BC001, which is immediately upstream of the base, produced a sample result of only 1.9 ppt and BC002 (just downstream of the base) produced a sample result of only 0.9 ppt (Figure 8). Both of these samples were collected from high-energy environments that tend to keep the TEQs low anyway.

BC003 and BC004 were collected from lower-energy, organic-rich environments, although the results were not significantly higher (19.0 ppt and 18.4 ppt, respectively). BC005, which was collected closer to Bernard Bayou, yielded a result of only 2.9 ppt. It should be noted that BC005 did contain significantly more coarse-grained material than either BC003 or BC004. Low levels (0.6 ppt) of TCDD were detected in BC004. The surface water sample result from BC003 was 0.1 ppq, an indication that surface water is not the primary mode of transportation for dioxin.

### **3.2.4 Bernard Bayou**

The Bernard Bayou samples collected in Phase I were restricted to the immediate vicinity of the confluence with Turkey Creek (Figure 4). In this relatively limited area, the bedload of Turkey Creek likely settles out into the deeper basin of Bernard Bayou. If the relationship of TEQ to TOC holds for Bernard Bayou, we would expect increasing TEQs as the bottom sediments of the bayou became fine and more organically rich, especially further downstream of Turkey Creek.

The results from the five Bernard Bayou sediment samples did confirm this hypothesis as TEQs generally increased with distance from the end of Turkey Creek. The exception was BB004, although that particular sample did have considerably more coarse-grained material than either BB003 or BB005 (Figure 8). The range of results (Attachment B) was from 3.9 ppt (BB001) to 54.3 ppt (BB005). TCDD was detected in BB002 and BB003, although the TCDD/TEQ ratios were 7 and 4 percent, respectively. Lower TCDD/TEQ ratios should be expected in the Bayou due to TEQ "dilution" from other high-end sources (hepta- and octa-chlorinated dioxins and furans) of dioxin contamination that are likely to be encountered.

The surface water sample result at BB003 was 1.2 ppq, which is typical for surface water samples.

These results indicate a need for additional Phase II samples further out into the bayou. Particular care should be taken to collect high organic samples just outside the coarse-grained material deposited from Turkey Creek.

### **3.2.5 Outfall 3 Swamp**

The Outfall 3 Swamp is located immediately north of the base across from Outfall 3 north (Figures 1 and 4). The swamp has received surface water runoff from the Outfall until 1996, when the drainage was diverted to Canal No. 1, in addition to road construction work along 28th Street. The Outfall 3 Swamp received surface water and sediment from the Primary and Secondary Site 8 ditches (Figure 1) until the road construction project diverted flow. Currently, the swamp receives no surface water flow from the base, and the main channel has dried up. For this reason, no surface water samples were collected with the sediment samples. The outlet of the swamp flows into Canal No. 1 approximately ¼ mile north of the base on Canal Street. However, the swamp has long been recognized as a potential depositional area because the outlet into Canal No. 1 has a natural "check dam" effect that consistently forces surface water to back up in the swamp. With this in mind, the swamp was expected to produce elevated results; therefore, the sample density was increased to 10 samples in a relatively small area. In fact, only Site 8 included a higher sample density during the Phase I investigation.

The sample results in the swamp confirmed the expectation of elevated results with sample results as high as 254 ppt in the organic-rich sediment. Seven of the nine samples in the swamp were above 97 ppt with an average result of 163 ppt. As stated before, the swamp is an affective depositional area, and the TCDD/TEQ ratios offer additional confirmation of this. In fact, the TCDD/TEQ ratio may be the sampler-independent tool to use to quickly evaluate the effectiveness of interim remedial measures (such as SRTs and settling ponds).

The two samples collected downstream of the small check dam in the swamp were 2.1 ppt (WL009) and 15.58 ppt (WLI010). WL010 was actually collected at the confluence of the swamp outlet and Canal No. 1. The result of 15.58 ppt was similar to other Canal No. 1 samples in the area (Figure 8). With these

results, it does appear that the Outfall 3 Swamp performed as a "settling basin" for the surface water and sediment exiting the base until modifications were made to the drainage system.

### **3.2.6 Nondioxin Sample Results**

With the exception of some elevated polynuclear aromatic hydrocarbon levels in Bernard Bayou, no significant nondioxin compounds were detected off the base. A full discussion of nondioxin compounds will be provided in the Phase II report.

## **4.0 PHASE II RECOMMENDATIONS**

Onbase work will be primarily focused on refining HO-impacted bedload in ditches in Drainage Areas 1, 2, and 5. This will be accomplished by collecting dioxin and TOC samples. Some additional soil samples will be collected at Site 8 to confirm that elevated dioxin levels (if any) are restricted to zones below that which are readily eroded and transported.

Off base, no additional samples are required in Turkey Creek. Either the dioxin-contaminated bedload leaving the base through Outfall 1 and Outfall 3 North never made it to the creek, or if it did, the scouring (self-cleaning) that occurs in Turkey Creek is sufficient to prevent long-term accumulation of fine-grained sediment in the channel.

Some additional sampling in Bernard Bayou and Brickyard Creek is necessary to ensure that the maximum extent of migrating dioxin sediment has been determined (if possible). The sample results in these two areas indicate multiple sources, and in the absence of a fingerprint training set, it may be very difficult to determine the amount (percent) of dioxin in the bayou that has come from the base.

The area that still requires the most work will be the Outfall 3 Swamp. This is due to the relatively high levels (up to 254 ppt) and the obvious HO provenance. The first set of samples collected was restricted to the shallow channel that runs through the swamp from Outfall 3 to Canal 1. Fortunately, surface water levels in the swamp must rise above that channel before they flow into Canal No. 1. Thus, the swamp has acted as a filter for finer-grained sediments as they have moved off the base to the north. Also, Outfall 3 surface water has been diverted into a newly constructed ditch on the north side of 28th Street that flows directly to Canal No. 1. While this prevents any further contamination or migration of dioxin-contaminated sediments out of the swamp, it does open the possibility that the new ditch is receiving contaminated sediment as well as providing a new avenue for dioxin contamination into Canal No. 1.

Given the wide range of results that exist on the base, a site-specific lower delineation level, or target, needs to be established. Based on the technological limitations of high resolution/mass spectrometry equipment and U.S. Environmental Protection Agency Method 8290, an analytical lower delineation limit of 15 ppt is proposed in soil and sediment. Establishing a delineation limit below 15 ppt would require many additional samples in areas that have no apparent connection with HO or Site 8. At 15 ppt, efforts can focus on the media-containing dioxins at elevated levels, especially those with TCDD. This was discussed with the Mississippi Department of Environmental Protection on August 27, 1997.

Based on a lower delineation level of 15 ppt in soil and sediment, the following table summarizes the proposed sample collection for Phase II activities. Increased numbers of TOC samples will be collected to exploit the dioxin/TOC relationship to reduce numbers of expensive dioxin samples.

**Dioxin Samples for Phase II**

Phase I Summary Report for Onsite and Offsite Delineation Activities  
 Naval Construction Battalion Center  
 Gulfport, Mississippi

Media	Onbase		Offbase	
	Location	No. of Samples	Location	No. of Samples
Sediment	D.A. 1	7	Bernard Bayou	5
	D.A. 2	4	Brickyard	3
	D.A. 3	0	Turkey Creek	0
	D.A. 4	0	Outfall 3 Swamp	10
	D.A. 5	7		
	D.A. 6	0		
Seeps	Sites 4 and 5	3		
Surface soil	Site 8	6		
Totals		<u>27</u>		18
QA/QC		6		4
Total Phase II (estimate)			55	

Notes: D.A. = drainage area.  
 QA/QC = quality assurance and quality control.

If you should have any questions concerning the above information, please do not hesitate to call Robert Fisher at (423) 531-1922.

Sincerely,

**ABB ENVIRONMENTAL SERVICES, INC.**



Robert Fisher  
 Project Hydrogeologist



Penny Baxter, P.G.  
 Project Manager

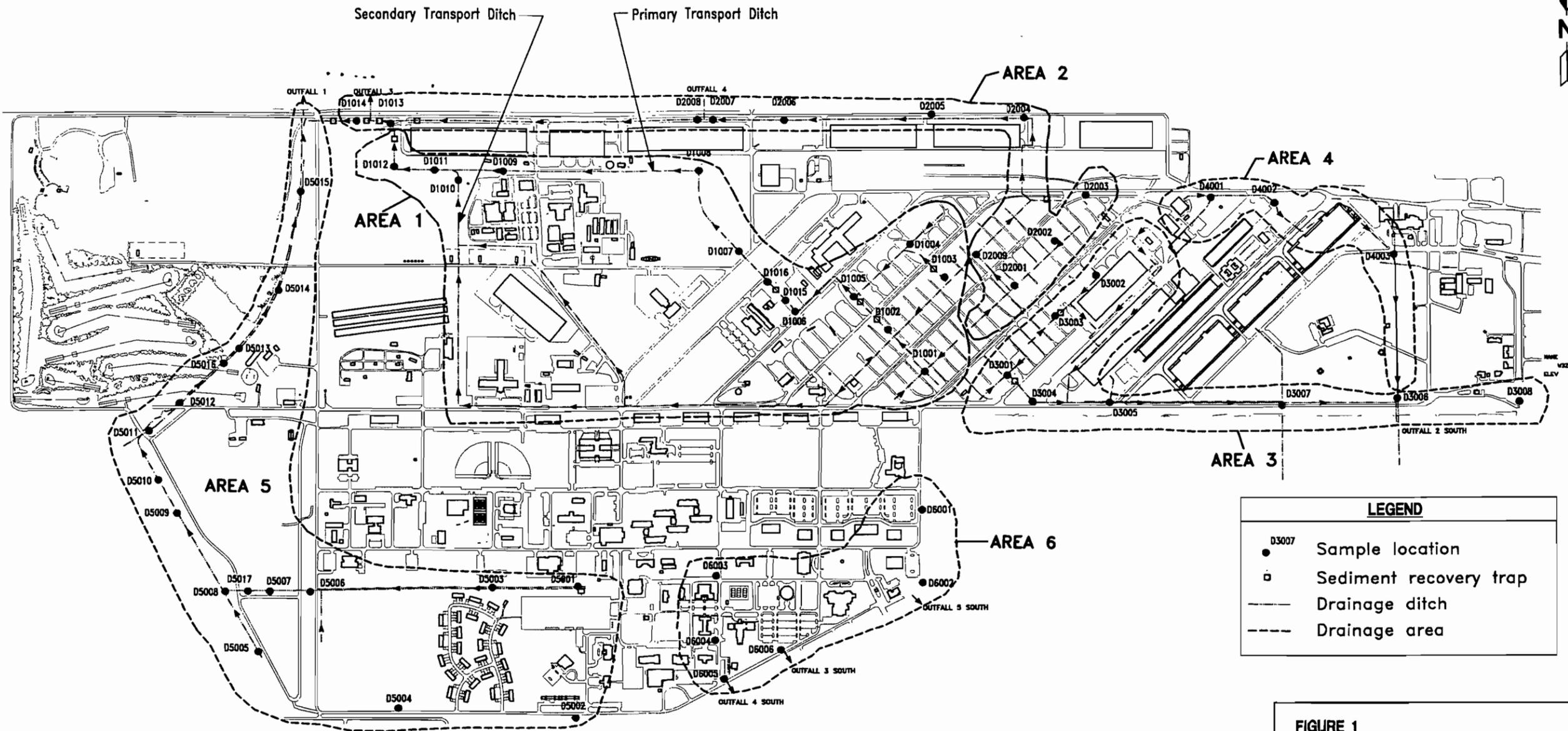
pc: G. Crane, NCBC Gulfport

Attachments:

- Attachment A: Figures
- Attachment B: Tables
- Attachment C: Glossary
- Attachment D: References

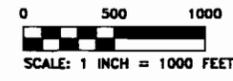
[08535-014]

**ATTACHMENT A**  
**FIGURES**

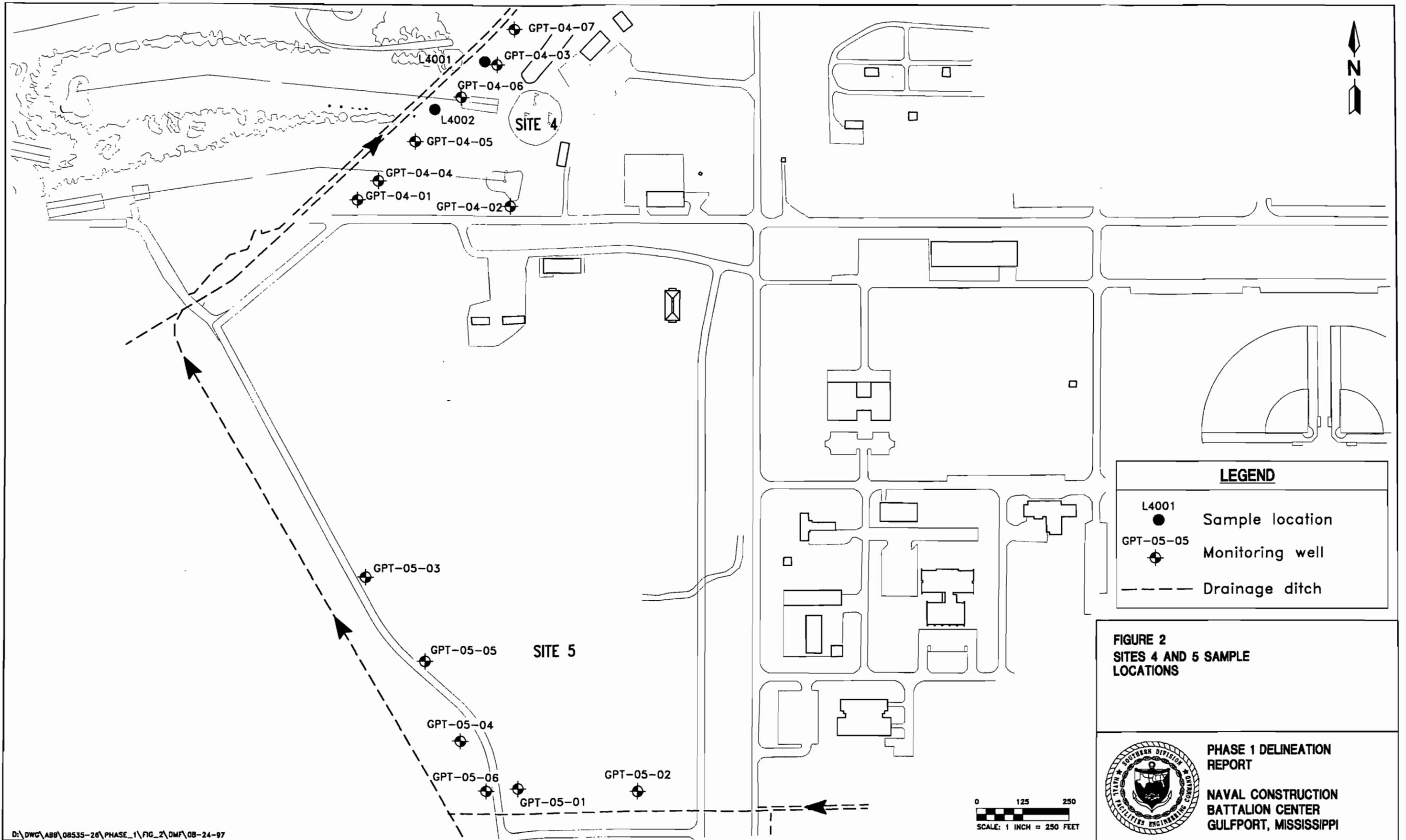


LEGEND	
● D3007	Sample location
□	Sediment recovery trap
—	Drainage ditch
- - -	Drainage area

FIGURE 1  
ON BASE DRAINAGE AREA  
SAMPLE LOCATIONS



PHASE 1 DELINEATION  
REPORT  
NAVAL CONSTRUCTION  
BATTALION CENTER  
GULFPORT, MISSISSIPPI



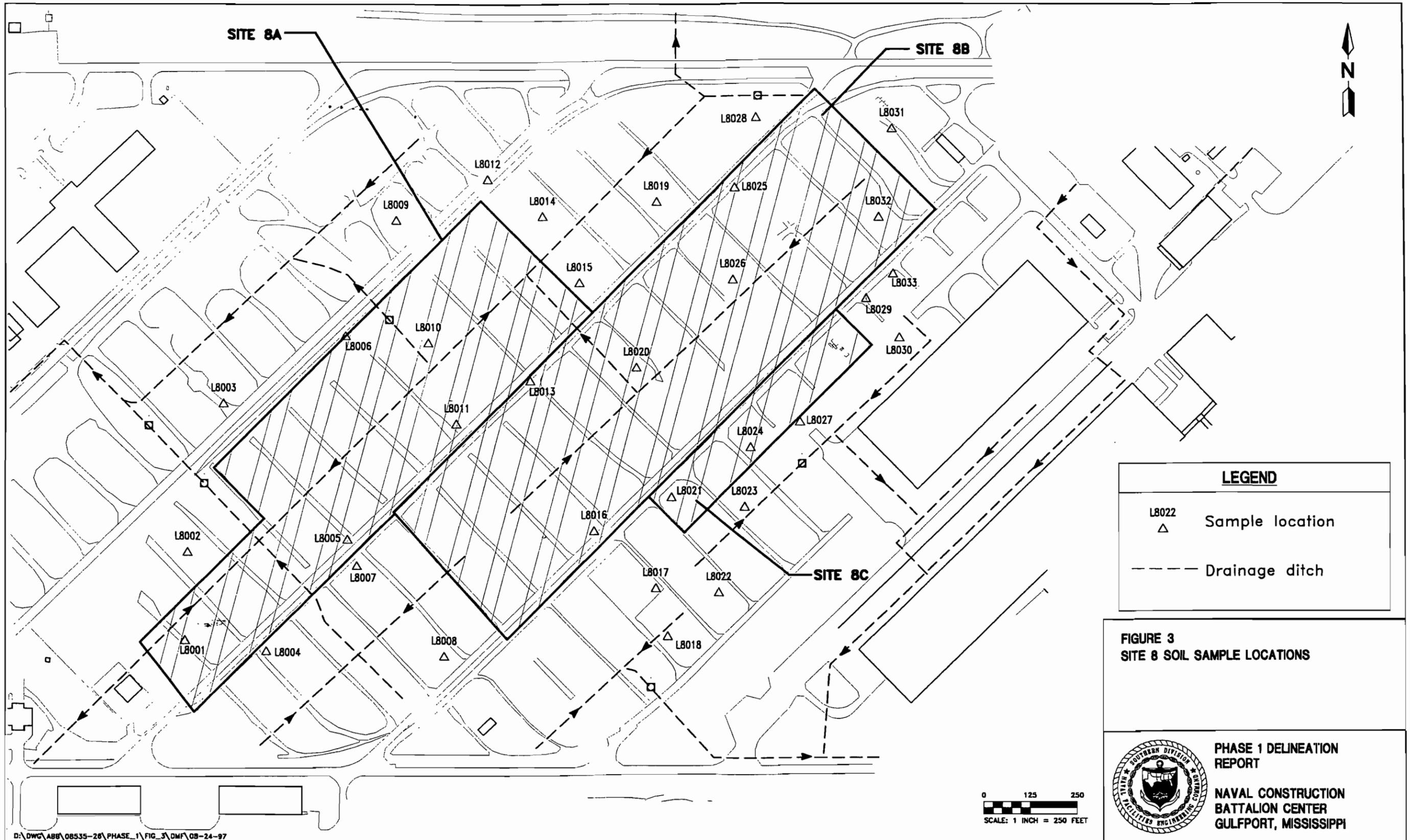
D:\DWG\ABB\08535-26\PHASE\_1\FIG\_2\DMF\08-24-97

**LEGEND**

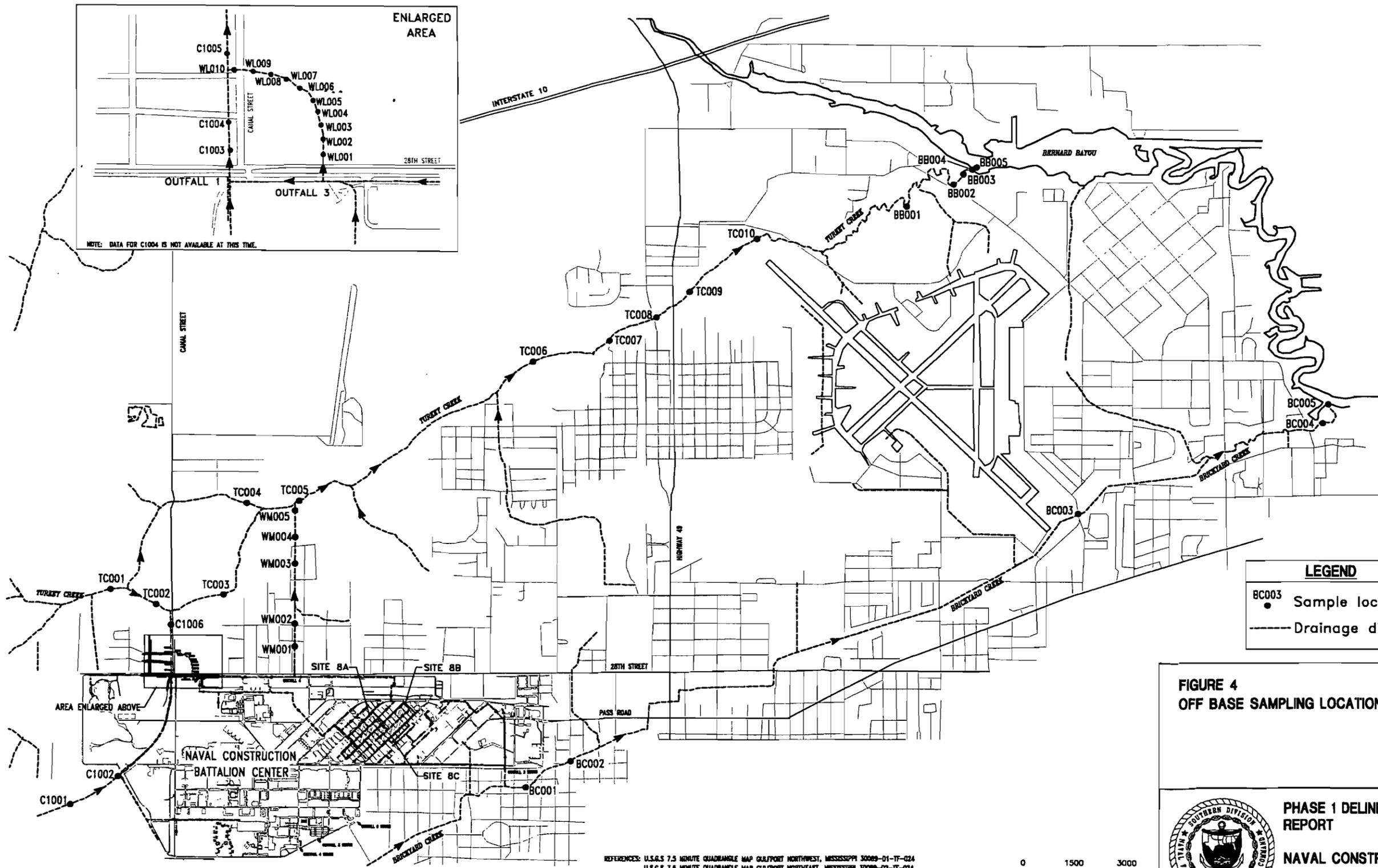
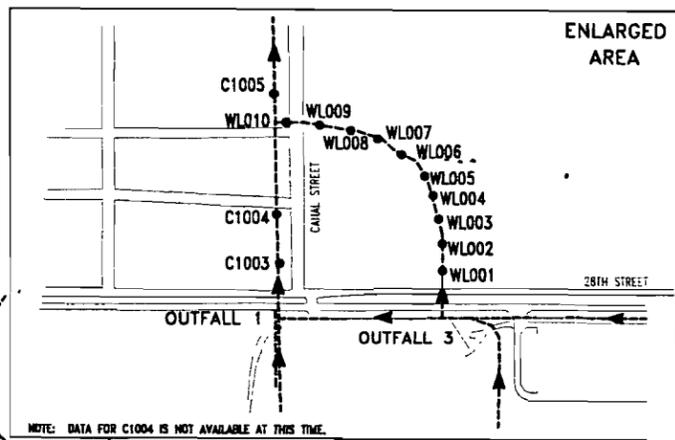
L4001 ●	Sample location
GPT-05-05 ⊕	Monitoring well
---	Drainage ditch

**FIGURE 2**  
**SITES 4 AND 5 SAMPLE**  
**LOCATIONS**

	<b>PHASE 1 DELINEATION</b> <b>REPORT</b>
	<b>NAVAL CONSTRUCTION</b> <b>BATTALION CENTER</b> <b>GULFPORT, MISSISSIPPI</b>



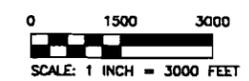
**PHASE 1 DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**



LEGEND	
●	Sample location
---	Drainage ditch

**FIGURE 4  
OFF BASE SAMPLING LOCATIONS**

REFERENCES: U.S.G.S 7.5 MINUTE QUADRANGLE MAP GULFPORT NORTHWEST, MISSISSIPPI 30089-01-TF-024  
 U.S.G.S 7.5 MINUTE QUADRANGLE MAP GULFPORT NORTHEAST, MISSISSIPPI 30089-02-TF-024  
 U.S.G.S 7.5 MINUTE QUADRANGLE MAP GULFPORT SOUTHWEST, MISSISSIPPI 30089-01-TF-024  
 U.S.G.S 7.5 MINUTE QUADRANGLE MAP GULFPORT SOUTHEAST, MISSISSIPPI 30089-02-TF-024

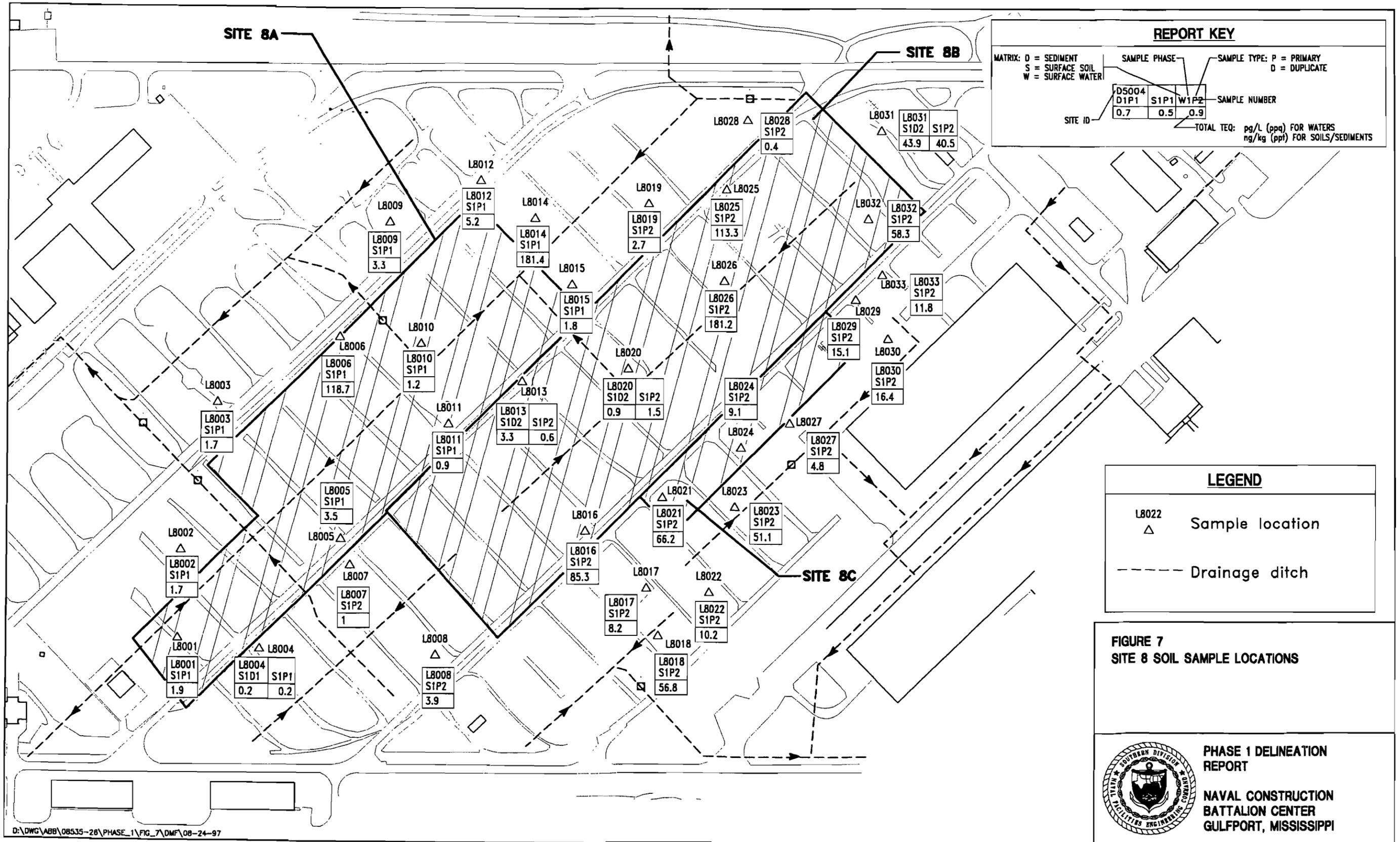


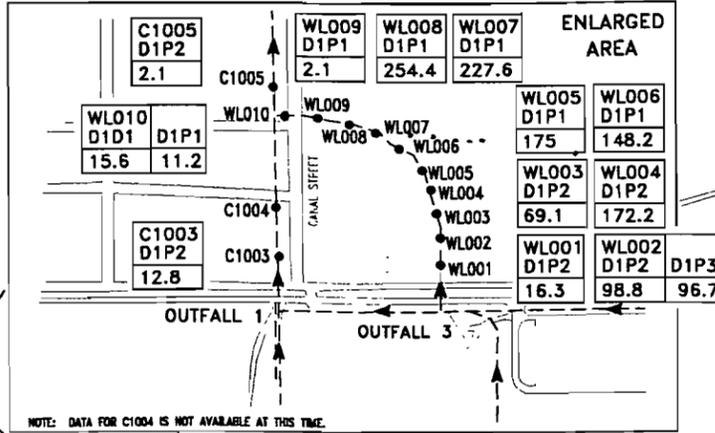
**PHASE 1 DELINEATION  
REPORT**

**NAVAL CONSTRUCTION  
BATTALION CENTER  
GULFPORT, MISSISSIPPI**









**REPORT KEY**

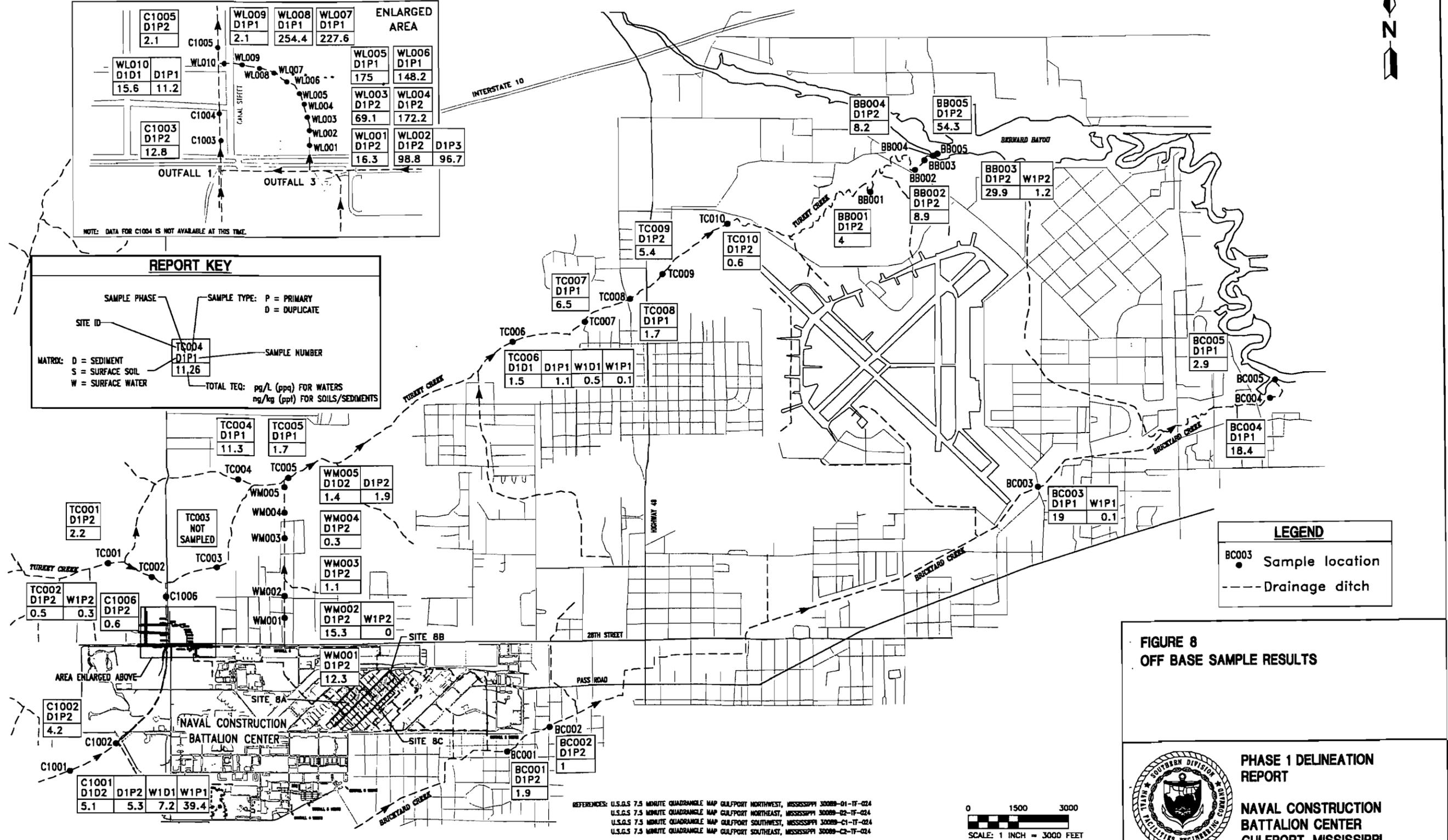
SAMPLE PHASE: TC004

SAMPLE TYPE: P = PRIMARY, D = DUPLICATE

SAMPLE NUMBER: 11.26

MATRIX: D = SEDIMENT, S = SURFACE SOIL, W = SURFACE WATER

TOTAL TEQ: pg/L (ppq) FOR WATERS, ng/kg (ppt) FOR SOILS/SEDIMENTS



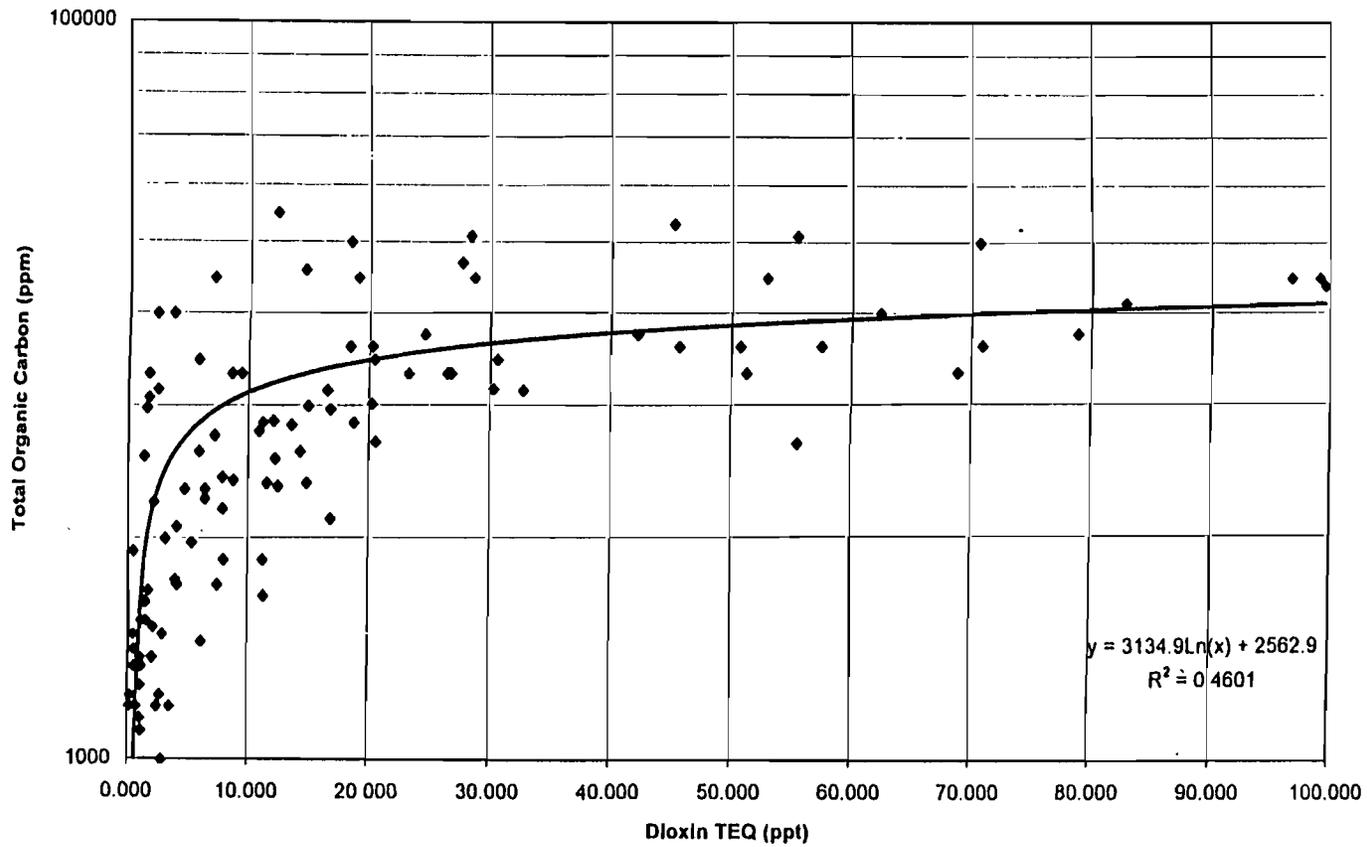
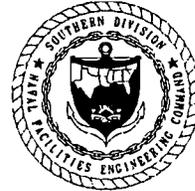


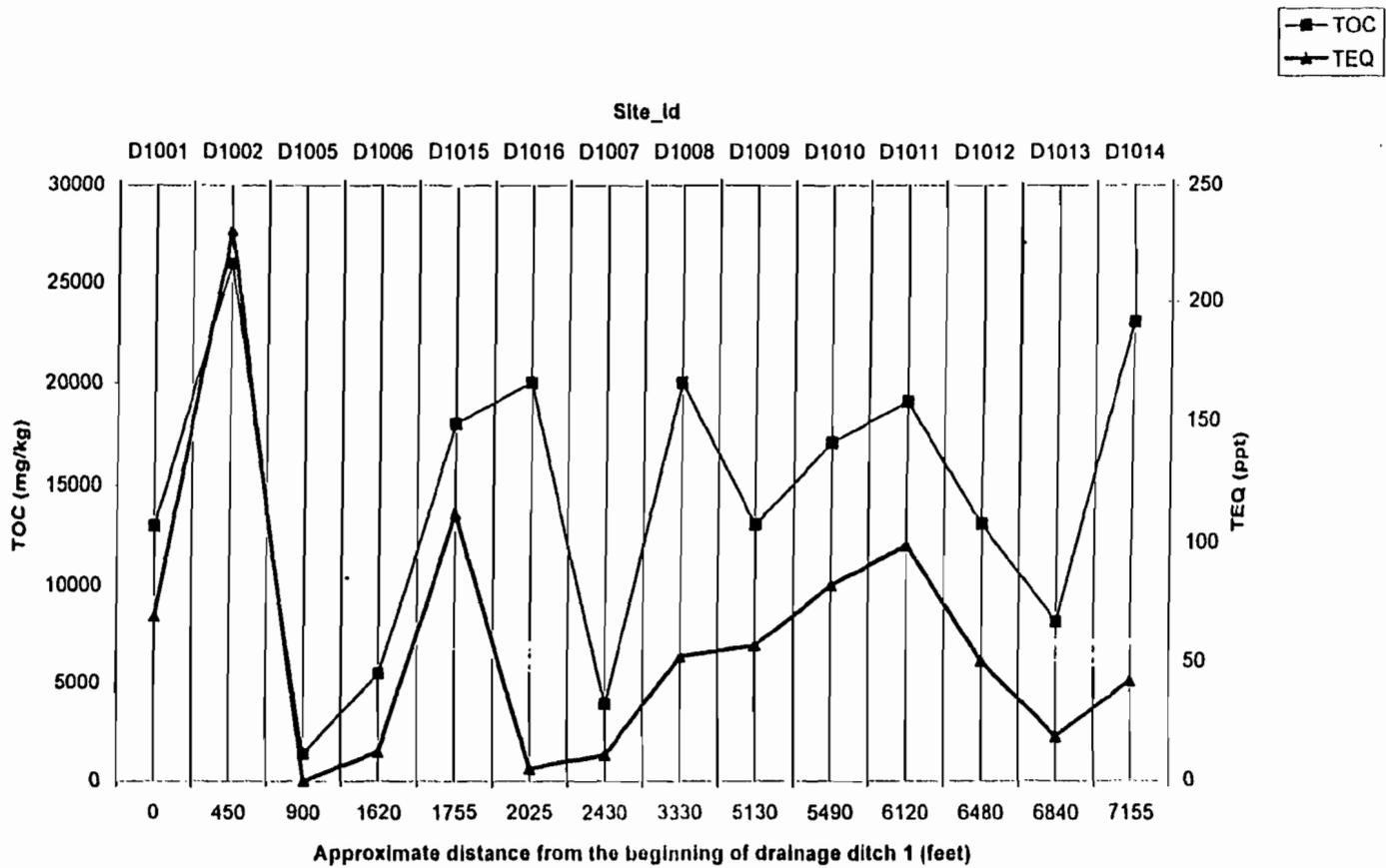
FIGURE 9a

TOTAL ORGANIC CARBON VERSUS  
DIOXIN TOXICITY EQUIVALENT



PHASE I DELINEATION REPORT

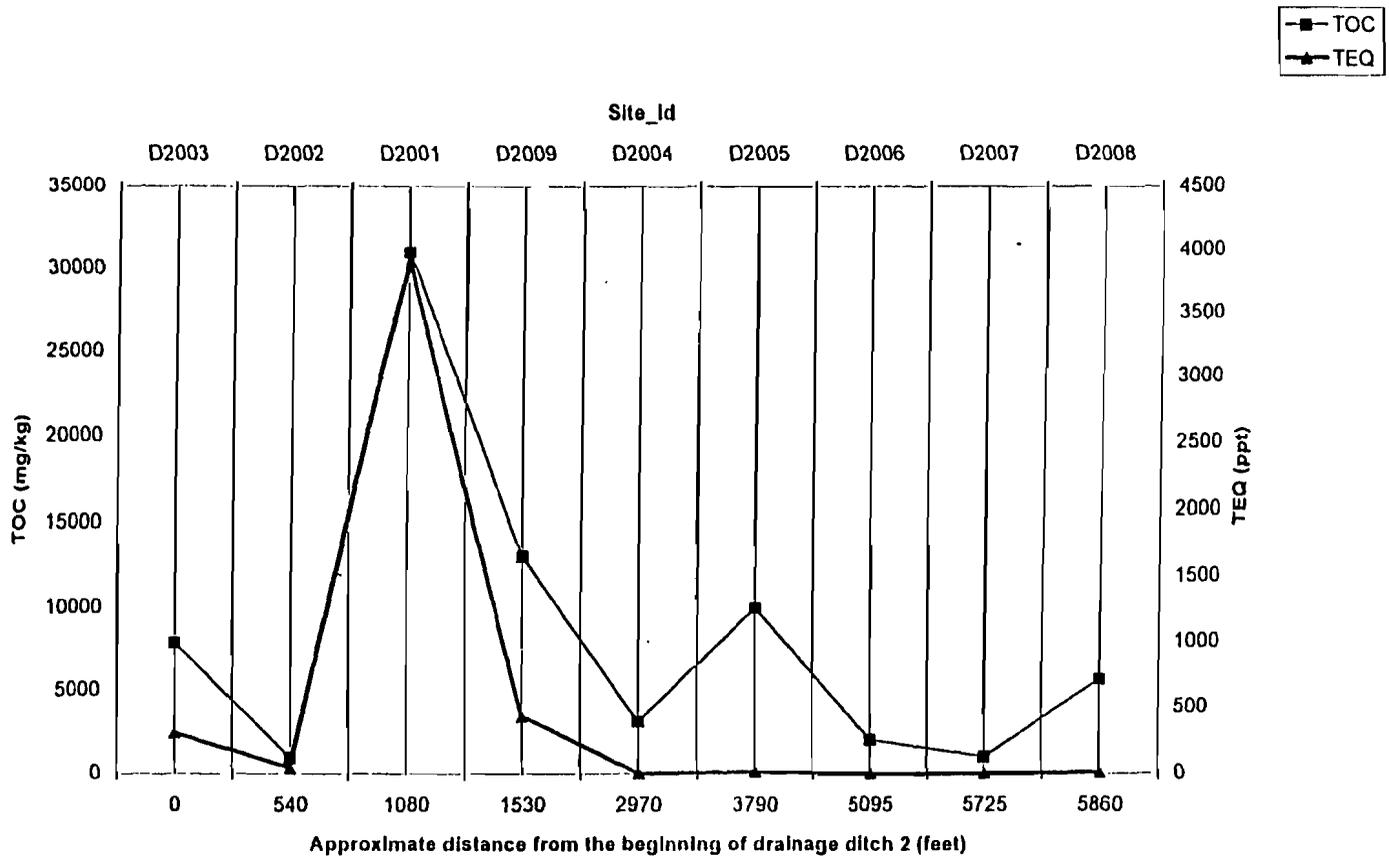
NAVAL CONSTRUCTION BATTALION CENTER  
GULFPORT, MISSISSIPPI



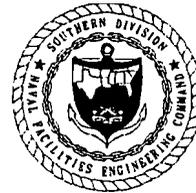
**FIGURE 9b**  
**DRAINAGE AREA 1**



**PHASE I DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**



**FIGURE 9c**  
**DRAINAGE AREA 2**



**PHASE I DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**

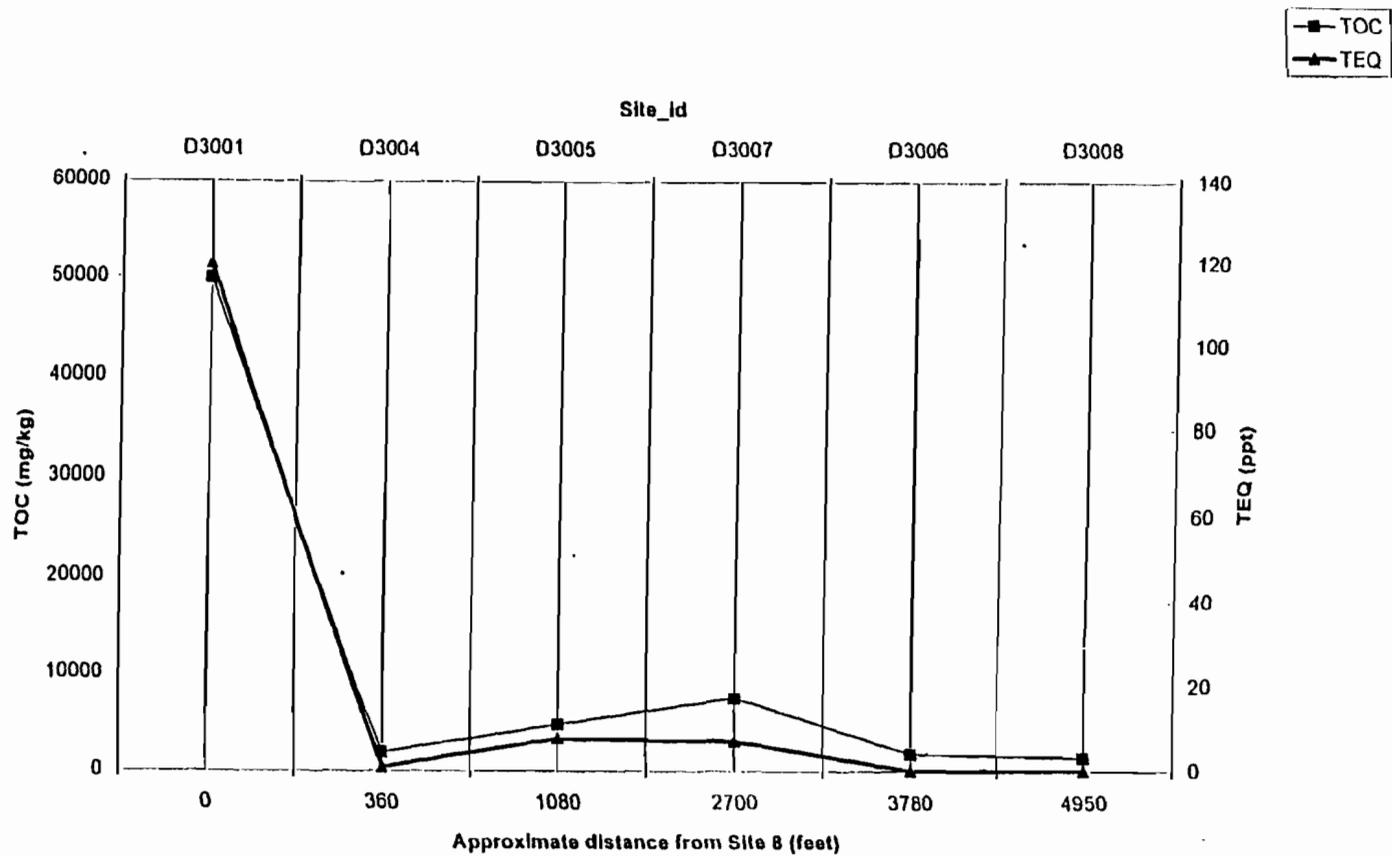


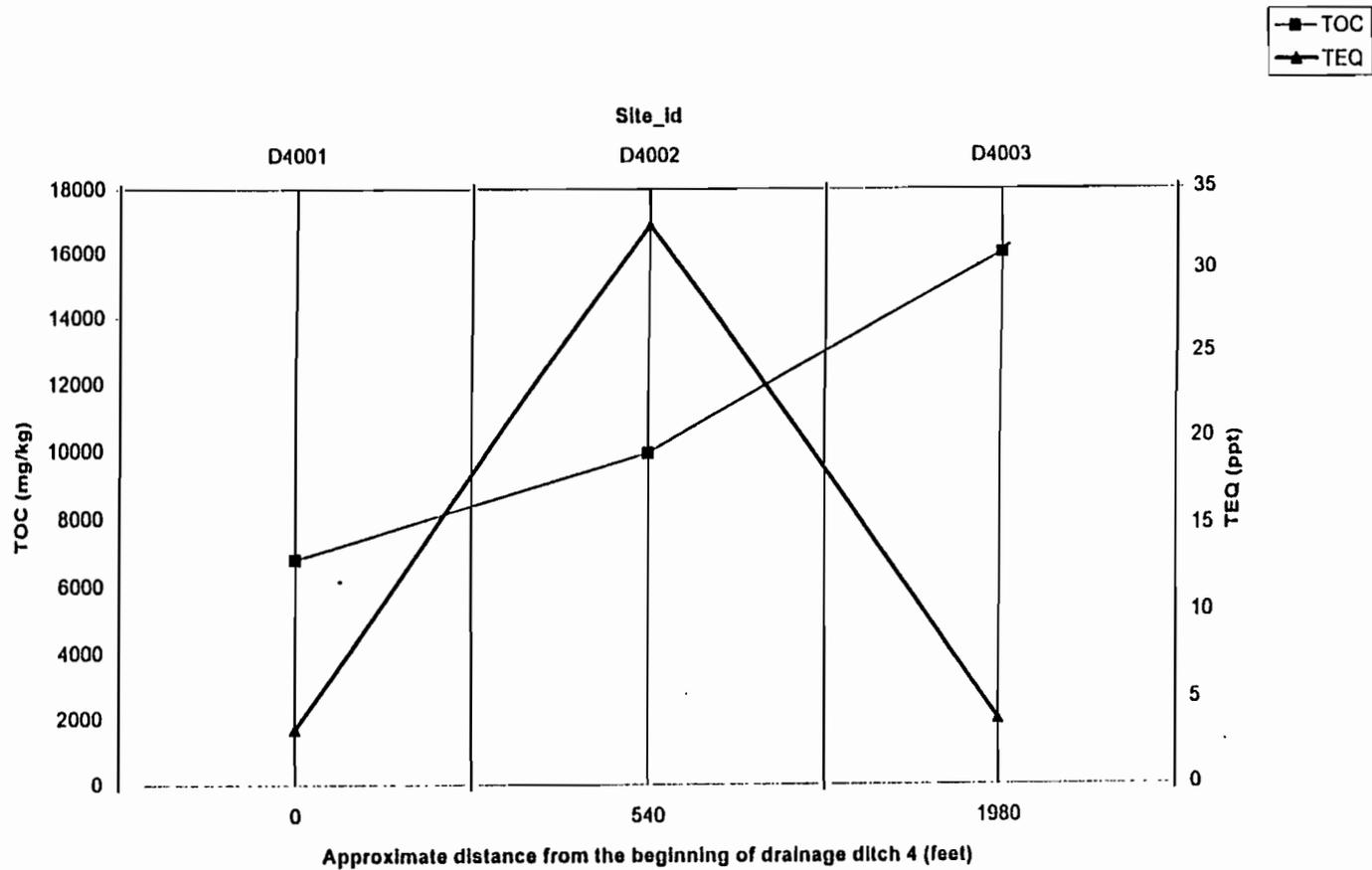
FIGURE 9d

DRAINAGE AREA 3



PHASE I DELINEATION REPORT

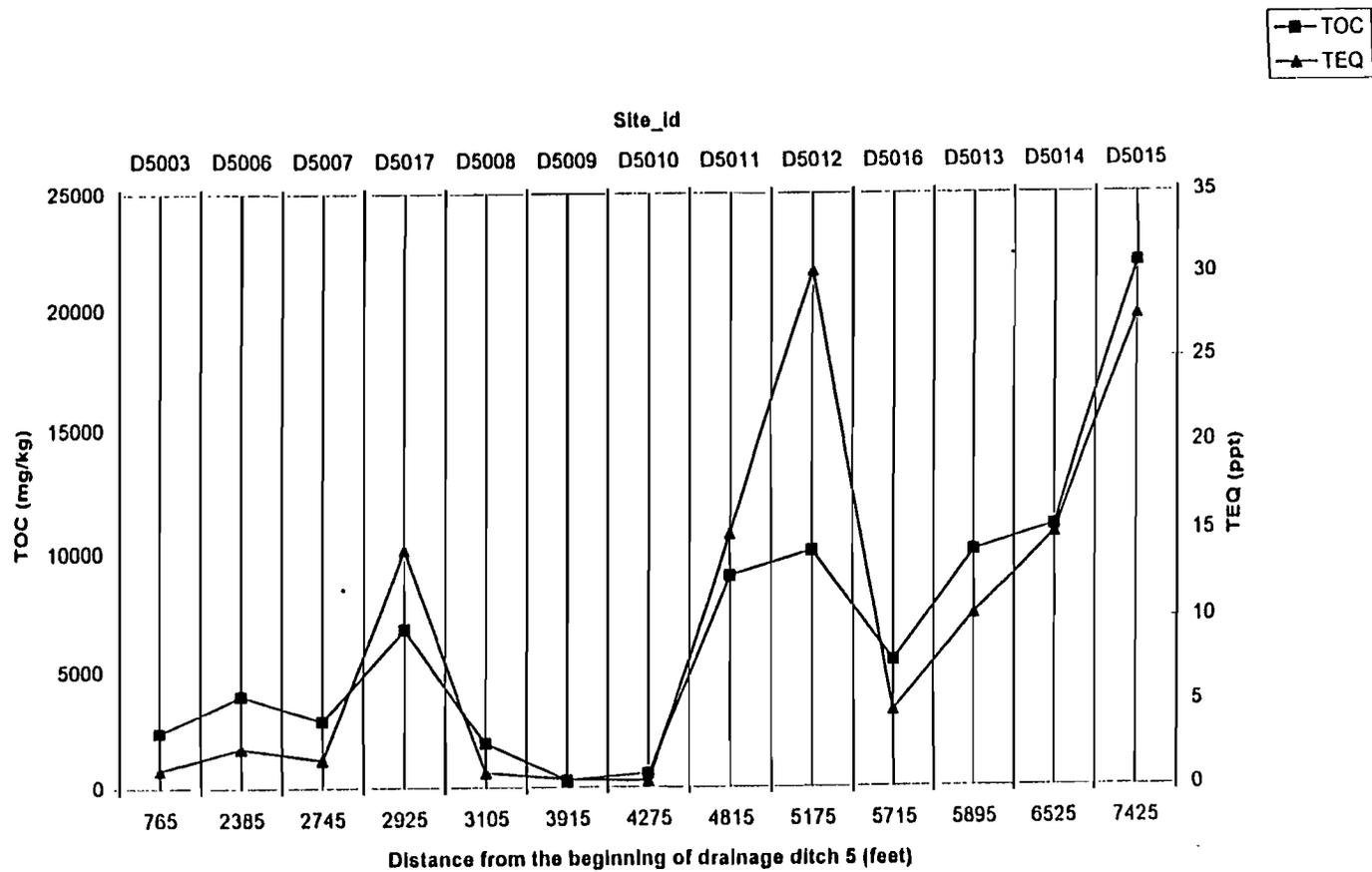
NAVAL CONSTRUCTION BATTALION CENTER  
GULFPORT, MISSISSIPPI



**FIGURE 9e**  
**DRAINAGE AREA 4**



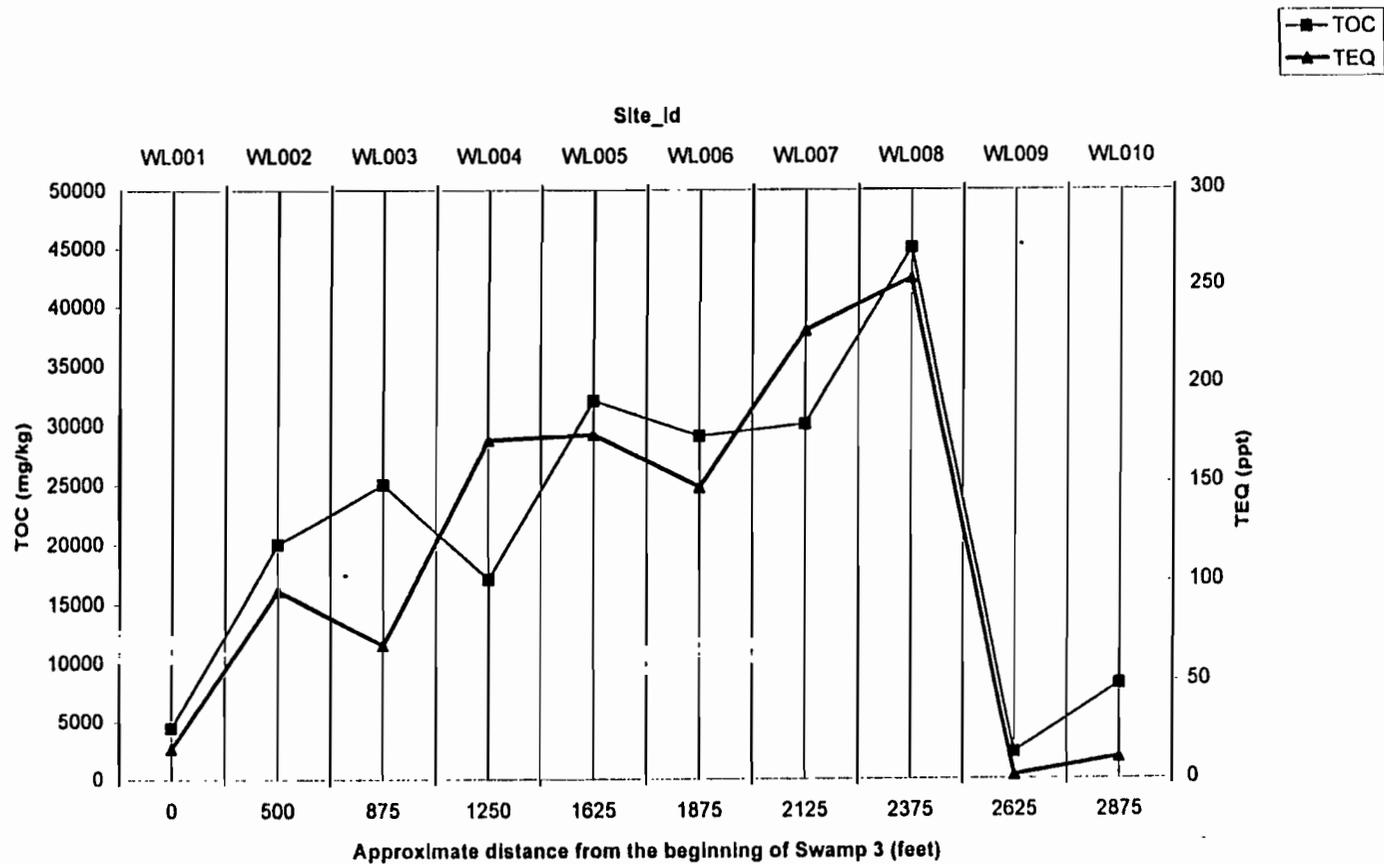
**PHASE I DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**



**FIGURE 9f**  
**DRAINAGE AREA 5**



**PHASE I DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**



**FIGURE 9g**  
**OUTFALL 3 SWAMP**



**PHASE I DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**  
**GULFPORT, MISSISSIPPI**

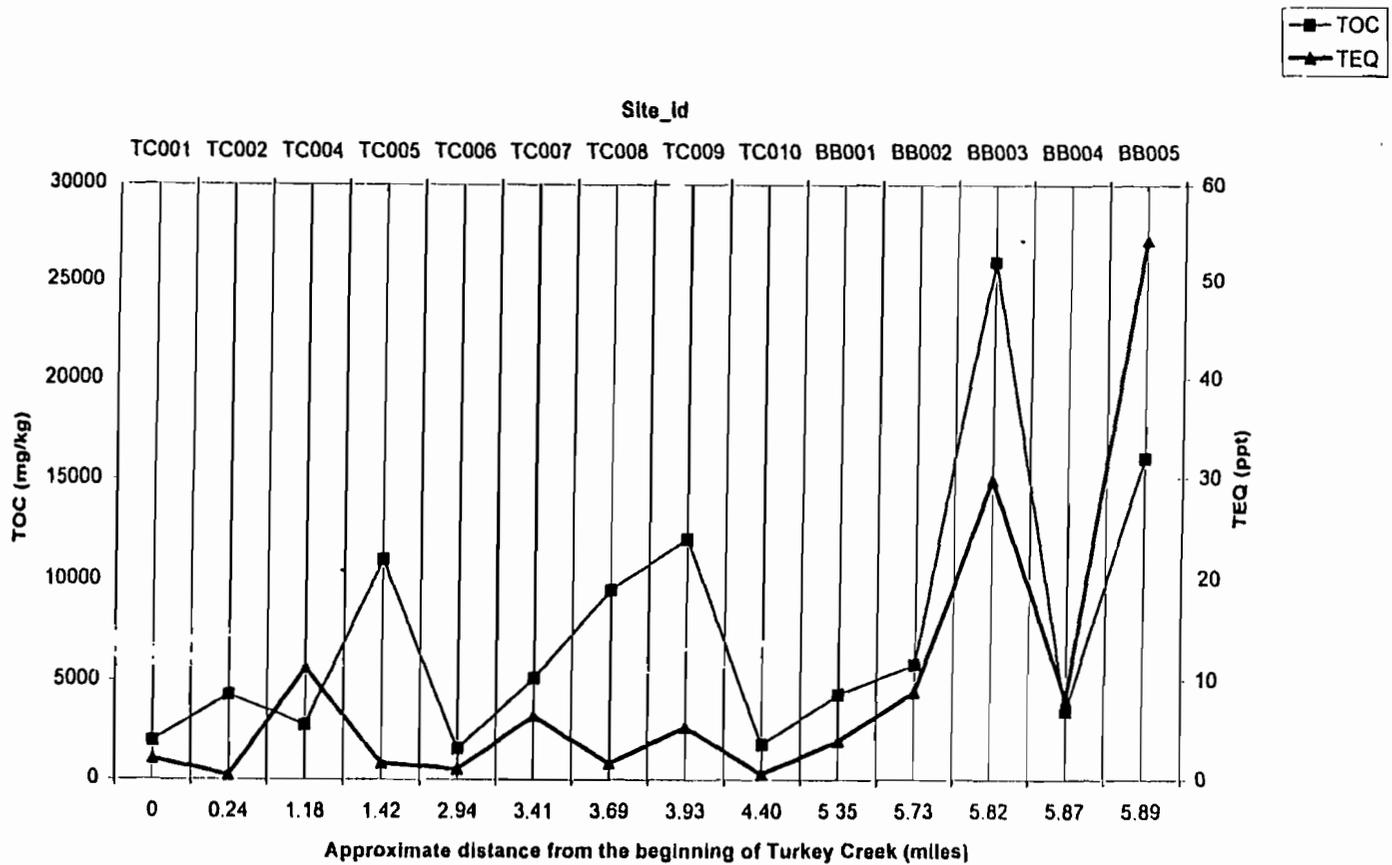


FIGURE 9h

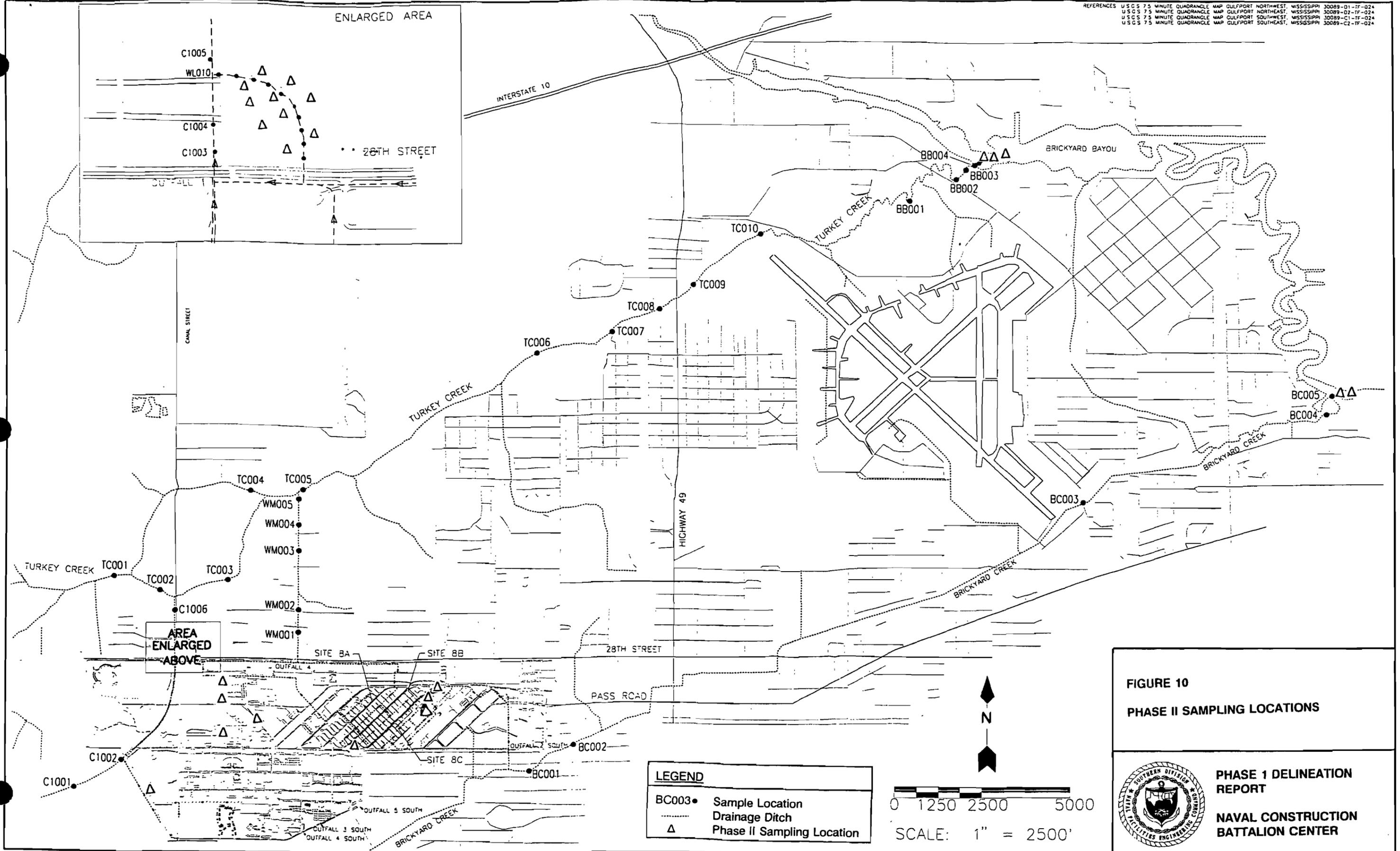
TURKEY CREEK AND BERNARD BAYOU



PHASE I DELINEATION REPORT

NAVAL CONSTRUCTION BATTALION CENTER  
GULFPORT, MISSISSIPPI

REFERENCES  
 U.S.C.S. 7.5 MINUTE QUADRANGLE MAP GULFPORT NORTHWEST, MISSISSIPPI 30089-01-TF-024  
 U.S.C.S. 7.5 MINUTE QUADRANGLE MAP GULFPORT NORTHEAST, MISSISSIPPI 30089-02-TF-024  
 U.S.C.S. 7.5 MINUTE QUADRANGLE MAP GULFPORT SOUTHWEST, MISSISSIPPI 30089-01-TF-024  
 U.S.C.S. 7.5 MINUTE QUADRANGLE MAP GULFPORT SOUTHEAST, MISSISSIPPI 30089-02-TF-024



**FIGURE 10**  
**PHASE II SAMPLING LOCATIONS**



**PHASE 1 DELINEATION REPORT**  
**NAVAL CONSTRUCTION BATTALION CENTER**

**LEGEND**  
 BC003 • Sample Location  
 - - - - - Drainage Ditch  
 Δ Phase II Sampling Location

0 1250 2500 5000  
 SCALE: 1" = 2500'

**ATTACHMENT B**  
**TABLES**

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D1001	D1001	D1001	D1002	D1003	D1003
	SAMPLE ID	D1001D1P1	D1001S1P1	D1001D1P3	D1002D1P1	D1003D1P1	D1003S1P1
	DATE / TIME	04/10/97 / 10:40	04/10/97 / 10:40	06/26/97 / 10:20	04/10/97 / 15:00	04/10/97 / 11:10	04/10/97 / 11:10
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.00	0.50
2,3,7,8-TCDD		230 R	0.65 R	58.0	217	118	0.5 U
1,2,3,7,8-PeCDD		7.2 R	0.3 U	2.5	4.1	1.9	0.8 U
1,2,3,4,7,8-HxCDD		17.8 R	0.5 U	4.8	5.8	(0.92)	1.0 U
1,2,3,6,7,8-HxCDD		30.9 R	0.82 R	10.4	10.1	1.9	0.8 U
1,2,3,7,8,9-HxCDD		37.1 R	0.54 R	11.1	11.8	2.5	0.9 U
1,2,3,4,6,7,8-HpCDD		955 R	13.7 R	319	258	41.0	1.5 R
1,2,3,4,6,7,8,9-OCDD		8340	298 R	3190	2450	612	24.3 R
2,3,7,8-TCDF		15.6 R	0.2 U	4.1	15.5	17.5	0.4 U
1,2,3,7,8-PeCDF		2.2 R	0.2 U	0.97	1.2	0.9 U	0.6 U
2,3,4,7,8-PeCDF		2.0 R	0.2 U	0.85	0.95	0.9 U	0.6 U
1,2,3,4,7,8-HxCDF		44.4 R	0.94 R	3.7	11.2	1.8 U	0.7 U
1,2,3,6,7,8-HxCDF		7.3 R	0.29 R	2.5	2.3	0.64 U	0.5 U
2,3,4,6,7,8-HxCDF		10.4 R	0.70 U	5.1	3.0 U	0.75 U	0.7 U
1,2,3,7,8,9-HxCDF		(0.58) R	0.4 U	0.5 U	0.23	1.5 U	0.8 U
1,2,3,4,6,7,8-HpCDF		190 R	11.0 R	47.5	45.2	11.1	0.8 U
1,2,3,4,7,8,9-HpCDF		12.0 R	0.5 U	2.6	3.1	(0.86)	1.0 U
1,2,3,4,6,7,8,9-OCDF		403 R	3.1 R	165	111	27.4	1.0 U
Total TCDD		243	0.65	63.1	---	130	0.5 U
Total PeCDD		32.3	0.88	12.3	---	4.1	0.8 U
Total HxCDD		413	6.4	138	---	14.9	0.9 U
Total HpCDD		2550	35.8	939	---	97.1	2.8
Total TCDF		68.3	0.71	25.7	---	69.5	0.4 U
Total PeCDF		112	6.5	32.2	---	58.0	0.6 U
Total HxCDF		299	19.5	76.3	---	16.3	0.6 U
Total HpCDF		570	28.9	122	---	28.3	0.9 U
Total TEQ		271.431	1.4571	70.9395	230.902	122.401	0.0393

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For RCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D1003	D1004	D1005	D1005	D1006	D1007
	SAMPLE ID	D1003D1P3	D1004D1P1	D1005D1P1	D1005S1P1	D1006D1P1	D1007D1P1
	DATE / TIME	08/26/97 / 11:00	04/10/97 / 10:05	04/10/97 / 09:20	04/10/97 / 09:20	04/09/97 / 14:55	04/10/97 / 08:40
	DEPTH (ft)	0.00	0.00	0.00	0.50	0.00	0.00
2,3,7,8-TCDD		19.5	62.9 R	0.2 U	0.4 U	9.9 R	3.4 R
1,2,3,7,8-PeCDD		0.7 U	7.8 R	0.3 U	0.6 U	0.72 R	0.6 U
1,2,3,4,7,8-HxCDD		0.8 U	18.8 R	0.5 U	0.8 U	0.96 R	(0.68) R
1,2,3,6,7,8-HxCDD		0.71	42.5 R	0.4 U	0.60 R	2.7 R	2.1 R
1,2,3,7,8,9-HxCDD		0.89	43.9 R	0.75 R	1.2 R	2.7 R	2.1 R
1,2,3,4,6,7,8-HpCDD		12.7	1220 R	3.3 R	2.9 R	60.6 R	44.1 R
1,2,3,4,6,7,8,9-OCDD		135	10930	33.2 R	25.6 R	427 R	358 R
2,3,7,8-TCDF		5.2	16.6 R	0.31 R	0.3 U	(1.7)	0.97 R
1,2,3,7,8-PeCDF		0.4 U	2.8 R	0.2 U	0.4 U	0.2 U	0.4 U
2,3,4,7,8-PeCDF		0.4 U	3.4 R	0.2 U	0.4 U	0.2 U	(0.26) R
1,2,3,4,7,8-HxCDF		(0.44)	50.9 R	0.56 U	0.5 U	1.6 R	2.3 R
1,2,3,6,7,8-HxCDF		0.5 U	12.1 R	0.18 U	0.4 U	0.90 R	0.43 U
2,3,4,6,7,8-HxCDF		0.86	11.8 U	0.71 U	0.51 U	1.2 U	0.97 U
1,2,3,7,8,9-HxCDF		0.6 U	(0.97) R	0.3 U	0.6 U	0.3 U	0.7 U
1,2,3,4,6,7,8-HpCDF		2.5	255 R	1.4 U	0.7 U	11.1 R	14.4 R
1,2,3,4,7,8,9-HpCDF		0.8 U	15.1 R	0.40 R	0.9 U	1.1 R	(0.76) R
1,2,3,4,6,7,8,9-OCDF		5.8	552 R	1.9 R	1.1 U	22.4 R	28.1 R
Total TCDD		20.5	80.0	0.64	2.7	11.3	3.4
Total PeCDD		2.0	38.2	0.82	5.7	2.1	(0.48)
Total HxCDD		6.5	445	2.7	0.93	23.2	18.3
Total HpCDD		31.5	3110	6.1	5.6	140	95.1
Total TCDF		5.2	85.6	2.5	7.8	4.1	1.8
Total PeCDF		8.9	149	0.86	0.4 U	7.9	6.8
Total HxCDF		3.9	350	2.0	0.51	18.8	18.5
Total HpCDF		4.2	770	0.40	0.8 U	26.3	42.9
Total TEQ		20.6028	113.6	0.1781	0.2346	12.4934	5.3237

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

( ) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D1007	D1008	D1008	D1009	D1010	D1010
	SAMPLE ID	D1007D1P3	D1008D1P1	D1008S1P1	D1009D1P1	D1010D1P1	D1010S1P1
	DATE / TIME	06/26/97 / 09:40	04/09/97 / 13:50	04/09/97 / 13:50	04/09/97 / 13:30	04/09/97 / 11:00	04/09/97 / 11:00
	DEPTH (ft)	0.00	0.00	0.50	0.00	0.00	0.50
2,3,7,8-TCDD		9.8	28.0 R	12.6	40.2 R	41.9 R	25.3
1,2,3,7,8-PeCDD		0.9 U	3.4 R	1.4	3.0 R	9.4 R	7.9
1,2,3,4,7,8-HxCDD		1.3 U	8.4 R	3.8	6.0 R	26.8 R	24.2
1,2,3,6,7,8-HxCDD		1.4	25.7 R	11.2	17.2 R	59.0 R	45.0
1,2,3,7,8,9-HxCDD		1.6	20.2 R	8.5	14.0 R	51.5 R	42.1
1,2,3,4,6,7,8-HpCDD		31.6	707 R	287	466 R	1980 R	1420
1,2,3,4,6,7,8,9-OCDD		326 J	5250 R	2480 J	3700 R	18760	11700
2,3,7,8-TCDF		2.5	3.3	2.1 U	4.9	(21.5)	(2.3)
1,2,3,7,8-PeCDF		0.6 U	1.1 R	0.3 U	1.3 R	4.3 R	3.3
2,3,4,7,8-PeCDF		0.6 U	1.3 R	0.76	0.79 R	3.2 R	3.0
1,2,3,4,7,8-HxCDF		1.3	15.8 R	5.5	11.0 R	27.2 R	41.0
1,2,3,6,7,8-HxCDF		0.7 U	5.5 R	2.0	5.1 R	30.9 R	11.5
2,3,4,6,7,8-HxCDF		0.9 U	6.7 R	2.1	3.6 U	10.2 R	9.3
1,2,3,7,8,9-HxCDF		1.0 U	(0.41) R	0.5 U	(0.41) R	(2.7) R	0.5 U
1,2,3,4,6,7,8-HpCDF		5.6	107 R	66.4	82.7 R	314 R	335
1,2,3,4,7,8,9-HpCDF		1.5 U	7.1 R	5.4	5.0 R	31.1 R	26.2
1,2,3,4,6,7,8,9-OCDF		23.7 J	462 R	221 J	282 R	1300	935
Total TCDD		10.9	33.1	14.8	44.8	52.5	32.4
Total PeCDD		1.4	17.1	1.9	10.5	40.5	21.2
Total HxCDD		11.7	191	93.3	138	477	383
Total HpCDD		74.8	1460	622	997	3760	2830
Total TCDF		3.8	22.5	4.7	21.6	54.4	35.9
Total PeCDF		7.0	50.6	17.8	44.5	108	131
Total HxCDF		7.8	173	86.0	129	438	403
Total HpCDF		16.4	262	214	260	1010	1350
Total TEQ		11.2017	52.929	23.279	57.54	114.706	78.902

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( ) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For BCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D1010	D1011	D1012	D1013	D1013	D1014
	SAMPLE ID	D1010D1P3	D1011D1P1	D1012D1P1	D1013D1P1	D1013S1P1	D1014D1P1
	DATE / TIME	08/26/97 / 10:00	04/09/97 / 10:25	04/09/97 / 09:40	04/09/97 / 08:40	04/09/97 / 08:40	04/09/97 / 09:20
	DEPTH (ft)	0.00	0.00	0.00	0.00	0.50	0.00
2,3,7,8-TCDD		27.0	66.4 R	31.2 R	10.2 R	27.9	112.2 R
1,2,3,7,8-PeCDD		6.1	4.4 R	2.7 R	1.5 R	3.1	5.7 R
1,2,3,4,7,8-HxCDD		18.7	10.4 R	6.5 R	2.7 R	6.8	12.5 R
1,2,3,6,7,8-HxCDD		43.3	28.2 R	17.4 R	7.8 R	20.3	35.1 R
1,2,3,7,8,9-HxCDD		40.3	25.1 R	16.6 R	6.3 R	18.5	31.0 R
1,2,3,4,6,7,8-HpCDD		1410	849 R	498 R	207 R	611	1120 R
1,2,3,4,6,7,8,9-OCDD		16470	6700 R	4100 R	1860 R	5860	10890
2,3,7,8-TCDF		15.1	18.6	5.9	(2.9)	5.6	30.1
1,2,3,7,8-PeCDF		3.4	2.4 R	1.1 R	0.82 R	0.96	2.6 R
2,3,4,7,8-PeCDF		1.9	1.9 R	1.3 R	0.96 R	1.3	2.5 R
1,2,3,4,7,8-HxCDF		18.8	21.5 R	11.5 R	4.9 R	12.9	20.1 R
1,2,3,6,7,8-HxCDF		21.4	11.9 R	6.1 R	2.6 R	4.3	16.8 R
2,3,4,6,7,8-HxCDF		18.5	6.9 R	4.9 R	2.0 U	4.0	7.9 R
1,2,3,7,8,9-HxCDF		2.1	1.0 R	(0.83) R	0.51 R	0.7 U	1.3 R
1,2,3,4,6,7,8-HpCDF		206	153 R	101 R	41.1 R	140	185 R
1,2,3,4,7,8,9-HpCDF		18.4	14.8 R	6.9 R	3.6 R	8.5	14.7 R
1,2,3,4,6,7,8,9-OCDF		1050	660 R	377 R	156 R	476	693
Total TCDD		34.5	77.4	36.6	12.3	30.8	126.5
Total PeCDD		29.2	22.1	9.1	4.7	10.1	29.1
Total HxCDD		361	221	147	56.3	164	310
Total HpCDD		2800	1730	1010	428	1520	2270
Total TCDF		43.4	61.4	17.3	8.8	16.9	79.7
Total PeCDF		78.8	79.2	41.4	18.5	49.3	115
Total HxCDF		310	218	132	54.7	172	284
Total HpCDF		706	570	337	143	486	550
Total TEQ		82.854	99.558	50.774	18.775	51.319	156.69

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1E of 1A1

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	D1014	D1015	D1015	D1016	D1016	D2001
	SAMPLE ID	D1014D1P3	D1015D1P1	D1015D1P2	D1016D1P1	D1016D1P2	D2001D1P1
	DATE / TIME	06/26/97 / 09:20	04/22/97 / 11:10	04/22/97 / 11:11	04/22/97 / 00:00	04/22/97 / 10:21	04/04/97 / 13:55
	DEPTH (ft)	0.00	0.00	0.50	0.00	0.50	0.00
2,3,7,8-TCDD		23.7	95.9 R	95.6	1.4 R	1.3 U	1210 R
1,2,3,7,8-PeCDD		2.4	4.4 R	3.9	(1.1) R	1.5 U	6.6 R
1,2,3,4,7,8-HxCDD		4.7	7.6 R	6.3	3.5 R	3.0	10.1 R
1,2,3,6,7,8-HxCDD		15.8	15.5 R	16.8	5.0 R	6.3	19.8 R
1,2,3,7,8,9-HxCDD		13.6	18.0 R	16.7	7.4 R	6.6	17.7 R
1,2,3,4,6,7,8-HpCDD		454	377 R	424	136 R	148	649 R
1,2,3,4,6,7,8,9-OCDD		4760	3250 R	3240 J	1280 R	1410 J	5680 R
2,3,7,8-TCDF		7.0	14.9 R	15.9	0.6 U	1.2 U	42.5 R
1,2,3,7,8-PeCDF		1.4	0.94 R	1.2 U	0.8 U	1.1 U	2.1 R
2,3,4,7,8-PeCDF		0.98	1.3 R	1.1 U	0.8 U	1.1 U	4.5 R
1,2,3,4,7,8-HxCDF		10.7	5.2 R	7.5	2.2 R	2.0	17.8 R
1,2,3,6,7,8-HxCDF		4.1	3.0 R	4.9	1.4 R	1.8	8.1 R
2,3,4,6,7,8-HxCDF		6.4	3.1 R	5.6	2.1 R	3.3	10.5 R
1,2,3,7,8,9-HxCDF		0.5 U	0.8 U	1.6 U	1.5 U	1.6 U	0.9 U
1,2,3,4,6,7,8-HpCDF		81.9	59.6 R	78.9	26.4 R	21.3	146 R
1,2,3,4,7,8,9-HpCDF		5.5	4.1 R	6.7	(1.3) R	1.6 U	7.4 R
1,2,3,4,6,7,8,9-OCDF		884	156 R	170 J	34.5 R	48.1 J	478 R
Total TCDD		28.3	101	98.7	1.4	1.3 U	1240
Total PeCDD		8.3	25.5	10.1	2.5	1.5 U	32.8
Total HxCDD		133	163	136	54.2	45.8	218
Total HpCDD		1000	876	932	299	308	1630
Total TCDF		20.4	47.6	33.6	2.2	2.3	259
Total PeCDF		36.2	79.3	46.2	12.6	8.8	511
Total HxCDF		126	53.9	120	39.2	22.6	303
Total HpCDF		285	63.7	211	59.9	53.4	436
Total TEQ		42.248	113.34	113.426	7.0615	5.4511	1242.487

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For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D2001	D2001	D2002	D2002	D2003	D2003
	SAMPLE ID	D2001D1P2	D2001D1P3	D2002D1P1	D2002D1P2	D2003D1P1	D2003D1P2
	DATE / TIME	04/04/97 / 13:56	06/24/97 / 14:30	04/04/97 / 13:45	04/04/97 / 13:46	04/04/97 / 15:23	04/04/97 / 15:24
	DEPTH (ft)	0.50	0.00	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		1210	3830	44.5 R	44.7	294 J	259 J
1,2,3,7,8-PeCDD		6.9	18.9	1.4 U	0.9 U	6.8 J	7.7 J
1,2,3,4,7,8-HxCDD		9.8	25.0	(0.86) R	1.0 U	10.5 J	12.3 J
1,2,3,6,7,8-HxCDD		18.6	54.7	3.6 R	4.0	32.4 J	32.2 J
1,2,3,7,8,9-HxCDD		17.3	51.3	2.1 R	2.0	24.9 J	26.6 J
1,2,3,4,6,7,8-HpCDD		681	1690	113 R	113	823	808
1,2,3,4,6,7,8,9-OCDD		5850	15140 J	1050 R	995	6060	6020
2,3,7,8-TCDF		41.8	138	3.3	4.0	19.2 J	15.9 J
1,2,3,7,8-PeCDF		2.4	6.0	1.0 U	0.8 U	2.8 J	2.3 UJ
2,3,4,7,8-PeCDF		4.2	5.0	1.0 U	0.7 U	2.8 J	2.2 UJ
1,2,3,4,7,8-HxCDF		16.4	20.6	2.7 R	2.7	22.1 J	21.3 J
1,2,3,6,7,8-HxCDF		8.0	13.8	(0.43) R	0.5 U	7.7 J	8.4 J
2,3,4,6,7,8-HxCDF		9.6	29.6	(1.4) R	1.3	7.4 J	11.6 J
1,2,3,7,8,9-HxCDF		0.7 U	2.8 U	1.7 U	0.7 U	1.1 UJ	2.1 UJ
1,2,3,4,6,7,8-HpCDF		144	315	31.8 R	31.2	116	143
1,2,3,4,7,8,9-HpCDF		6.9	13.4	(1.7) R	1.7	8.7	11.6
1,2,3,4,6,7,8,9-OCDF		521	1100 J	95 R	92.8	259	251
Total TCDD		1240	3950	48.3	44.7	308	275
Total PeCDD		32.9	145	(0.94)	0.9 U	17.6	26.2
Total HxCDD		203	787	22.2	22.7	253	254
Total HpCDD		1720	5250	209	204	2110	2050
Total TCDF		247	543	13	10.4	62	24.4
Total PeCDF		512	754	22.3	21.5	110	66.2
Total HxCDF		273	607	32.1	30.3	229	190
Total HpCDF		407	872	111	110	362	436
Total TEQ		1242.51	3911.774	48.549	48.6468	327.156	291.557

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1G of 1A1

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	D2003	D2004	D2004	D2005	D2005	D2005
	SAMPLE ID	D2003D1P3	D2004D1P1	D2004D1P2	D2005D1P1	D2005D1P2	D2005D1P3
	DATE / TIME	06/25/97 / 13:40	04/04/97 / 13:25	04/04/97 / 13:26	04/04/97 / 13:10	04/04/97 / 13:11	06/25/97 / 13:52
	DEPTH (ft)	0.00	0.00	0.50	0.00	0.50	0.00
2,3,7,8-TCDD		283	1.5 R	1.8	4 R	4.3	7.1
1,2,3,7,8-PeCDD		5.1	0.7 U	0.3 U	(0.67) R	0.55	1.3
1,2,3,4,7,8-HxCDD		9.9	1.4 R	1.2	2.2 R	2.1	3.1
1,2,3,6,7,8-HxCDD		29.3	2.7 R	2.7	4.7 R	4.7	9.5
1,2,3,7,8,9-HxCDD		23.4	2.4 R	2.5	4.1 R	4.6	7.7
1,2,3,4,6,7,8-HpCDD		732	70.6 R	74.7	136 R	135	251
1,2,3,4,6,7,8,9-OCDD		5920	563 R	580	1210 R	1210	2380
2,3,7,8-TCDF		16.8	0.4 U	0.2 U	0.4 U	0.2 U	1.1
1,2,3,7,8-PeCDF		2.2	0.5 U	0.2 U	0.5 U	0.2 U	0.41
2,3,4,7,8-PeCDF		2.6	0.4 U	0.2 U	0.6 U	0.2 U	0.57
1,2,3,4,7,8-HxCDF		12.5	2.5 R	2.6	2.1 R	1.9	3.6
1,2,3,6,7,8-HxCDF		6.7	0.58 R	0.65	1.1 R	1.1	1.9
2,3,4,6,7,8-HxCDF		11.2	0.84 U	1.3	1.3 U	2.1	3.7
1,2,3,7,8,9-HxCDF		0.6 U	0.7 U	0.3 U	0.8 U	0.2 U	0.6 U
1,2,3,4,6,7,8-HpCDF		96.5	14.8 R	14.6	31.1 R	30.5	38.8
1,2,3,4,7,8,9-HpCDF		6.2	1.1 R	0.91	2 R	2.0	2.7
1,2,3,4,6,7,8,9-OCDF		260	54.9 R	50.4	134 R	134	151
Total TCDD		303	1.5	1.8	4	4.3	8.3
Total PeCDD		18.3	0.7 U	0.3 U	(0.69)	0.98	4.7
Total HxCDD		232	16.9	8.4	31	31.9	76.8
Total HpCDD		1760	168	194	227	239	576
Total TCDF		46.9	0.75	0.73	2	1.5	5.2
Total PeCDF		106	3.8	2.4	8.7	7.4	13.2
Total HxCDF		190	16.3	20.6	34.9	32.0	62.3
Total HpCDF		262	40.2	39.0	89.2	89.3	122
Total TEQ		312.467	3.9409	4.4275	8.79	9.244	16.5715

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For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE SAMPLE ID DATE / TIME DEPTH (ft)	D2006 D2006D1P1 04/04/97 / 15:47 0.00	D2006 D2006D1P2 04/04/97 / 15:48 0.50	D2007 D2007D1P1 04/04/97 / 10:50 0.00	D2007 D2007D1P2 04/04/97 / 10:51 0.50	D2008 D2008D1P1 04/04/97 / 10:40 0.00	D2008 D2008D1P2 04/04/97 / 10:41 0.50
2,3,7,8-TCDD		0.8 UJ	0.8 UJ	0.3 U	0.2 U	2.8 J	1.6 UJ
1,2,3,7,8-PeCDD		1.3 UJ	0.9 UJ	0.4 U	0.2 U	1.5 UJ	2.0 UJ
1,2,3,4,7,8-HxCDD		1.5 U	1.0 UJ	0.5 U	0.3 U	1.8 UJ	2.6 UJ
1,2,3,6,7,8-HxCDD		1.3 U	0.8 UJ	0.61 R	0.54	3.3 J	3.8 J
1,2,3,7,8,9-HxCDD		1.3 U	0.8 UJ	8.9 R	7.8	2.7 J	3.5 J
1,2,3,4,6,7,8-HpCDD		21.9	19.8	13.8 R	14.0	97.8	92.7
1,2,3,4,6,7,8,9-OCDD		225	213	174 R	174	1220	1130
2,3,7,8-TCDF		0.8 UJ	0.7 UJ	0.2 U	0.2 U	0.8 UJ	1.4 UJ
1,2,3,7,8-PeCDF		0.9 UJ	0.7 UJ	0.3 U	0.2 U	1.0 UJ	1.6 UJ
2,3,4,7,8-PeCDF		0.9 UJ	0.7 UJ	0.3 U	0.2 U	1.0 UJ	1.5 UJ
1,2,3,4,7,8-HxCDF		1.1 UJ	0.8 UJ	0.4 U	0.2 U	2.9 J	3.6 J
1,2,3,6,7,8-HxCDF		0.9 UJ	0.5 UJ	0.3 U	0.1 U	0.95 J	1.4 UJ
2,3,4,6,7,8-HxCDF		1.1 UJ	0.7 UJ	1.3 U	0.38	1.9 J	1.8 UJ
1,2,3,7,8,9-HxCDF		1.2 UJ	0.8 UJ	0.4 U	0.2 U	1.5 UJ	1.9 UJ
1,2,3,4,6,7,8-HpCDF		3.8	6.1	1 R	0.76	21.1	25.2
1,2,3,4,7,8,9-HpCDF		1.7 U	0.9 U	0.5 U	0.3 U	2.2 U	2.4 U
1,2,3,4,6,7,8,9-OCDF		19	15.8	3.7 R	3.4	67.1	63.7
Total TCDD		0.8 U	0.8 U	0.87	0.83	2.8	1.6 U
Total PeCDD		2.5	0.9 U	2.3	2.4	1.6	2.0 U
Total HxCDD		11.9	16.6	15.4	13.9	17.3	21.3
Total HpCDD		56	53.3	13.8	19.6	219	209
Total TCDF		0.8 U	0.7 U	0.2 U	0.2 U	3.9	3.4
Total PeCDF		2.5	2.4	0.3 U	0.2 U	14.3	9.9
Total HxCDF		4.6	3.0	0.69	0.38	31.6	32.8
Total HpCDF		7.3	15.6	1	0.99	71.9	82.9
Total TEQ		0.501	0.4878	1.2767	1.197	6.4511	3.4627

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D2008	D2009	D3001	D3001	D3002	D3002
	SAMPLE ID	D2008D1P3	D2009D1P1	D3001D1P1	D3001D1P2	D3002D1P1	D3002D1P2
	DATE / TIME	06/25/97 / 14:20	04/08/97 / 16:00	04/07/97 / 16:05	04/07/97 / 16:06	04/07/97 / 14:50	04/07/97 / 14:51
	DEPTH (ft)	0.00	0.00	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		5.8	427	93.7 R	80.2	(0.33) R	2.7 U
1,2,3,7,8-PeCDD		0.5 U	3.2	4.7 R	4.3	(0.48) R	2.6 U
1,2,3,4,7,8-HxCDD		2.1	4.4	10.5 R	10.1	1.2 R	2.9 U
1,2,3,6,7,8-HxCDD		5.7	10.5	28.0 R	32.7	3.6 R	2.7 U
1,2,3,7,8,9-HxCDD		5.4	10.3	21.8 R	28.1	2.8 R	2.6 U
1,2,3,4,6,7,8-HpCDD		149	325	833 R	943	131 R	144
1,2,3,4,6,7,8,9-OCDD		1610	2900	6460 R	7780	1150 R	1450
2,3,7,8-TCDF		1.5	24.4	3.5 R	6.3	0.3 U	2.7 U
1,2,3,7,8-PeCDF		0.3 U	1.5	3.3 R	5.1	0.4 U	2.2 U
2,3,4,7,8-PeCDF		0.3 U	1.2	3.3 R	4.4	0.4 U	2.1 U
1,2,3,4,7,8-HxCDF		3.3	4.5	32.8 R	25.9	2.4 R	2.3 U
1,2,3,6,7,8-HxCDF		1.7	3.1	18.5 R	19.9	0.72 R	1.9 U
2,3,4,6,7,8-HxCDF		3.1	3.8	13.9 R	21.8	2.0 R	2.3 U
1,2,3,7,8,9-HxCDF		0.5 U	1.1 U	1.2 R	1.3 U	0.7 U	2.6 U
1,2,3,4,6,7,8-HpCDF		29.0	56.4	284 R	264	30.8 R	23.2
1,2,3,4,7,8,9-HpCDF		2.1	3.8	13.4 R	15.2	1.8 R	2.7 U
1,2,3,4,6,7,8,9-OCDF		50.0	165	625 R	887	109 R	183
Total TCDD		7.0	443	100	80.2	(0.33)	2.7 U
Total PeCDD		1.6	16.1	13.9	15.2	(0.48)	2.6 U
Total HxCDD		49.5	122	276	300	29.2	11.3
Total HpCDD		347	913	2080	2340	291	310
Total TCDF		5.4	96.7	43.7	35.5	0.65	2.7 U
Total PeCDF		15.5	131	169	158	4.8	2.1 U
Total HxCDF		45.2	94.3	453	328	36.9	11.9
Total HpCDF		82.7	159	829	773	120	109
Total TEQ		11.581	442.292	129.274	120.174	4.737	3.305

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(l) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For PSL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D3003	D3003	D3004	D3004	D3005	D3005
	SAMPLE ID	D3003D1P1	D3003D1P2	D3004D1P1	D3004D1P2	D3005D1P1	D3005D1P2
	DATE / TIME	04/07/97 / 15:20	04/07/97 / 15:21	04/07/97 / 14:20	04/07/97 / 14:21	04/07/97 / 11:10	04/07/97 / 11:11
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		7.2 R	6.2 U	0.4 U	15.7 U	4.3 R	4.5
1,2,3,7,8-PeCDD		0.52 R	6.6 U	0.6 U	14.3 U	0.58 R	2.0 U
1,2,3,4,7,8-HxCDD		1.9 R	6.5 U	(0.45) R	12.2 U	1.1 R	2.3 U
1,2,3,6,7,8-HxCDD		5.3 R	(5.3)	0.80 R	11.1 U	3.2 R	4.8
1,2,3,7,8,9-HxCDD		3.8 R	5.7 U	0.94 R	10.7 U	2.6 R	2.0 U
1,2,3,4,6,7,8-HpCDD		263 R	267	29.8 R	56.7	90.0 R	99.8
1,2,3,4,6,7,8,9-OCDD		2610 R	3180	328 R	410	971 R	1080
2,3,7,8-TCDF		0.96 R	0.89	0.3 U	17.5 UJ	1.0 R	1.1
1,2,3,7,8-PeCDF		0.2 UJ	4.8 U	0.4 U	14.5 U	0.3 U	1.5 U
2,3,4,7,8-PeCDF		0.2 U	4.7 U	0.4 U	14.0 U	0.3 U	1.5 U
1,2,3,4,7,8-HxCDF		2.7 R	5.2 U	(0.62) R	11.6 U	2.7 R	3.5
1,2,3,6,7,8-HxCDF		0.67 R	4.2 U	(0.35) R	9.3 U	0.91 R	1.4 U
2,3,4,6,7,8-HxCDF		1.4 UJ	5.2 U	0.7 UJ	11.6 U	1.2 U	1.8 U
1,2,3,7,8,9-HxCDF		0.4 UJ	5.7 U	0.8 UJ	12.8 U	0.5 U	2.0 U
1,2,3,4,6,7,8-HpCDF		48.6 R	42.3	8.5 R	9.0 U	25.0 R	21.0
1,2,3,4,7,8,9-HpCDF		2.0 R	5.9 U	1.0 U	14.0 U	1.3 R	(2.0)
1,2,3,4,6,7,8,9-OCDF		153 R	218	11.6 R	16.1 U	54.1 R	73.3
Total TCDD		7.2	6.2 U	0.4 U	15.7 U	4.3	4.5
Total PeCDD		2.4	6.6 U	0.6 U	14.3 U	4.0	3.8
Total HxCDD		46.6	18.0	9.6	11.3 U	23.8	12.6
Total HpCDD		519	517	83.2	56.7	184	205
Total TCDF		3.4	6.2 U	0.3 U	17.5 U	8.3	7.0
Total PeCDF		10.1	4.8 U	2.3	14.2 U	9.4	3.9
Total HxCDF		6.0	36.2	9.9	11.2 U	33.9	25.1
Total HpCDF		187	170	21.4	11.0 U	75.6	65.6
Total TEQ		14.891	7.11	1.0386	0.977	7.9291	7.8213

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

()=Less than Reporting Limit

U=non-detect, R=rejected, EDL=estimated detection limit

For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D3006	D3006	D3007	D3007	D3007	D3008
	SAMPLE ID	D3006D1P1	D3006D1P2	D3007D1P1	D3007D1P2	D3007D1P3	D3008D1P3
	DATE / TIME	04/07/97 / 08:40	04/07/97 / 08:41	04/22/97 / 13:10	04/22/97 / 13:11	06/24/97 / 14:00	06/25/97 / 14:30
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.00
2,3,7,8-TCDD		0.59 R	1.2 U	1.5 R	3.5 U	1.3 U	0.3 U
1,2,3,7,8-PeCDD		0.3 U	1.2 U	1.8 U	3.8 U	2.4	0.3 U
1,2,3,4,7,8-HxCDD		0.4 U	1.3 U	2.3 U	4.5 U	3.5	0.5 U
1,2,3,6,7,8-HxCDD		0.42 R	1.2 U	2.2 R	4.1 U	7.9	0.4 U
1,2,3,7,8,9-HxCDD		0.50 R	1.2 U	2.2 R	4.0 U	9.6	0.4 U
1,2,3,4,6,7,8-HpCDD		8.8 R	10.7	58.9 R	68.0	139	5.5
1,2,3,4,6,7,8,9-OCDD		67.4 R	66.7	537 R	623	1240	102
2,3,7,8-TCDF		0.2 U	1.2 U	1.2 R	3.3 U	1.2 U	0.2 U
1,2,3,7,8-PeCDF		0.2 U	0.9 U	1.1 U	2.8 U	1.2 U	0.2 U
2,3,4,7,8-PeCDF		0.2 U	0.9 U	1.1 U	2.7 U	1.1 U	0.2 U
1,2,3,4,7,8-HxCDF		0.30 R	1.1 U	1.4 R	3.6 U	2.6	0.3 U
1,2,3,6,7,8-HxCDF		0.2 U	0.9 U	(0.90) R	2.9 U	1.9	0.3 U
2,3,4,6,7,8-HxCDF		0.50 U	1.1 U	(1.1) R	3.6 U	2.9	0.61
1,2,3,7,8,9-HxCDF		0.4 U	1.3 U	1.7 U	4.0 U	2.6 U	0.4 U
1,2,3,4,6,7,8-HpCDF		1.7 R	2.0	13.4 R	12.7	33.2	0.86
1,2,3,4,7,8,9-HpCDF		0.5 U	1.3 U	(1.2) R	4.4 U	(2.8)	0.4 U
1,2,3,4,6,7,8,9-OCDF		4.4 R	4.0	26.0 R	41.7	140	2.2
Total TCDD		0.59	1.2 U	1.5	3.5 U	1.3 U	0.3 U
Total PeCDD		0.3 U	1.2 U	2.0	3.8 U	6.3	0.3 U
Total HxCDD		3.1	1.2 U	17.5	4.2 U	54.0	2.3
Total HpCDD		8.8	22.3	117	127	283	13.6
Total TCDF		0.33	1.2 U	2.6	3.3 U	3.7	0.2 U
Total PeCDF		0.82	0.9 U	5.3	2.7 U	12.8	0.2 U
Total HxCDF		1.1	1.1 U	23.0	7.7	17.7	0.61
Total HpCDF		3.2	4.3	37.0	36.7	78.7	0.86
Total TEQ		0.8868	0.1977	3.698	1.4717	7.17	0.2288

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(l) = Less than Reporting Limit

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For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D4001	D4001	D4002	D4002	D4002	D4003
	SAMPLE ID	D4001D1P1	D4001D1P2	D4002D1P1	D4002D1P2	D4002D1P3	D4003D1P1
	DATE / TIME	04/07/97 / 10:35	04/07/97 / 10:36	04/07/97 / 09:40	04/07/97 / 09:41	06/26/97 / 12:30	04/07/97 / 09:10
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.00
2,3,7,8-TCDD		0.5 U	15.8 UJ	0.6 U	7.5 U	1.4 M	0.5 U
1,2,3,7,8-PeCDD		(0.69) R	8.8 U	1.2 U	5.8 U	3.8	0.8 U
1,2,3,4,7,8-HxCDD		2.5 R	7.7 U	(0.99) R	6.2 U	10.1	(1.0) R
1,2,3,6,7,8-HxCDD		4.4 R	7.0 U	1.9 R	5.7 U	21.2	2.4 R
1,2,3,7,8,9-HxCDD		5.9 R	6.8 U	(1.3) R	5.5 U	21.2	1.9 R
1,2,3,4,6,7,8-HpCDD		134 R	151	58.2 R	84.7	703	59.0 R
1,2,3,4,6,7,8,9-OCDD		1380 R	1370	563 R	510	6260	563 R
2,3,7,8-TCDF		0.4 U	12.6 U	0.5 U	8.1 U	3.0	0.4 U
1,2,3,7,8-PeCDF		(0.40) R	7.4 U	0.8 UJ	5.1 U	0.4 U	(0.45) R
2,3,4,7,8-PeCDF		(0.40) R	7.2 U	0.8 UJ	4.9 U	4.3	0.6 U
1,2,3,4,7,8-HxCDF		4.3 R	6.6 U	2.1 R	5.1 U	24.2	2.0 R
1,2,3,6,7,8-HxCDF		1.8 R	5.3 U	1.1 R	4.1 U	9.2	1.2 R
2,3,4,6,7,8-HxCDF		2.1 R	6.5 U	1.4 U	5.1 U	22.5	1.2 U
1,2,3,7,8,9-HxCDF		1.1 U	7.3 U	1.6 U	5.7 U	0.6 U	1.1 U
1,2,3,4,6,7,8-HpCDF		39.4 R	34.9	24.4 R	19.0	224	23.8 R
1,2,3,4,7,8,9-HpCDF		2.0 R	8.0 U	(1.2) R	7.1 U	12.6	(1.3) R
1,2,3,4,6,7,8,9-OCDF		82.5 R	110	47.7 R	63.7	516	47.9 R
Total TCDD		0.5 U	15.8 U	0.6 U	7.5 U	2.3	0.5 U
Total PeCDD		(0.68)	8.8 U	1.2	5.8 U	19.0	1.5
Total HxCDD		53.5	12.5	10.7	5.7 U	252	21.1
Total HpCDD		349	396	153	84.7	2100	151
Total TCDF		1.7	12.6 U	1.1	8.1 U	66.3	1.0
Total PeCDF		13.4	7.3 U	10.3	5.0 U	348	13.6
Total HxCDF		55.6	33.3	40.3	24.8	358	43.3
Total HpCDF		91.4	79.6	64.7	62.9	692	41.5
Total TEQ		5.8816	3.339	2.1877	1.6107	32.762	2.3244

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(I) = Less than Reporting Limit

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1M of 1AI  
Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	D4003	D5001	D5001	D5002	D5002	D5003
	SAMPLE ID	D4003D1P2	D5001D1P1	D5001D1P3	D5002D1P1	D5002D1P3	D5003D1P1
	DATE / TIME	04/07/97 / 09:11	04/08/97 / 13:05	06/24/97 / 09:00	04/08/97 / 13:20	06/24/97 / 13:20	04/08/97 / 10:15
	DEPTH (ft)	0.50	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TCDD		0.6 U	5.3 R	17.4	0.7 R	0.6 U	0.2 U
1,2,3,7,8-PeCDD		0.8 U	47.6 R	164	14.5 R	9.2	0.2 U
1,2,3,4,7,8-HxCDD		1.6	83.4 R	311	22.1 R	12.9	0.3 U
1,2,3,6,7,8-HxCDD		3.5	41.1 R	135	41.8 R	21.6	0.3 U
1,2,3,7,8,9-HxCDD		3.8	27.9 R	169	42.1 R	23.8	0.50 R
1,2,3,4,6,7,8-HpCDD		102	498 R	1540	511 R	256	8.3 R
1,2,3,4,6,7,8,9-OCDD		1010	1470 R	4320	2870	1770	80.4 R
2,3,7,8-TCDF		0.94	0.6 U	52.5	0.62 R	0.6 U	0.57 R
1,2,3,7,8-PeCDF		0.5 U	46.4 R	96.2	1.4 R	0.5 U	0.2 U
2,3,4,7,8-PeCDF		0.5 U	93.7 R	193	0.95 R	0.5 U	0.50 R
1,2,3,4,7,8-HxCDF		3.1	46340	8310	14.5 R	4.7	7.2 R
1,2,3,6,7,8-HxCDF		1.1	536 R	1010	5.9 R	3.2	0.56 R
2,3,4,6,7,8-HxCDF		1.5	560 R	2350	5.0 R	5.2	1.3 R
1,2,3,7,8,9-HxCDF		0.8 U	26.7 R	67.6	0.2 U	1.3 U	0.3 U
1,2,3,4,6,7,8-HpCDF		19.9	2810 R	5270	76.4 R	44.7	4.0 R
1,2,3,4,7,8,9-HpCDF		1.9	1420 R	4340	5.3 R	3.8	0.58 R
1,2,3,4,6,7,8,9-OCDF		69.1	5880 R	13480	121 R	278	5.2 U
Total TCDD		0.6 U	26.5	160	2.4	0.6 U	0.2 U
Total PeCDD		0.8 U	64.1	641	31.9	14.7	0.2 U
Total HxCDD		34.1	503	1880	225	139	2.6
Total HpCDD		286	1030	2850	1020	544	17.6
Total TCDF		0.94	1300	512	5.8	2.7	3.7
Total PeCDF		10.7	10290	8960	29.8	4.7	13.5
Total HxCDF		24.7	17840	27240	119	61.7	20.1
Total HpCDF		63.3	4920	16280	202	100	10.2
Total TEQ		3.8711	4894.41	1570.52	30.615	16.833	1.4722

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For PSL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D5003	D5004	D5004	D5004	D5005	D5005
	SAMPLE ID	D5003D1P2	D5004D1P1	D5004D1P2	D5004S1P1	D5005D1P1	D5005D1P2
	DATE / TIME	04/08/97 / 10:06	04/08/97 / 15:10	04/08/97 / 15:01	04/08/97 / 15:10	04/07/97 / 14:40	04/07/97 / 14:41
	DEPTH (ft)	0.50	0.00	0.25	0.50	0.00	0.50
2,3,7,8-TCDD		0.9 U	0.1 U	1.2 U	0.4 U	16.9 R	(14.6)
1,2,3,7,8-PeCDD		0.9 U	0.24 R	1.1 U	0.5 U	1.5 R	15.0 U
1,2,3,4,7,8-HxCDD		0.8 U	0.27 R	1.0 U	0.8 U	3.0 R	11.7 U
1,2,3,6,7,8-HxCDD		0.7 U	0.74 R	0.9 U	1.1	8.3 R	10.7 U
1,2,3,7,8,9-HxCDD		0.7 U	1.9 R	0.9 U	2.1	5.4 R	10.3 U
1,2,3,4,6,7,8-HpCDD		10.0 J	10.8 R	11.0	8.2	180 R	164
1,2,3,4,6,7,8,9-OCDD		79.3 J	119 R	118	65.8	1410 R	1290
2,3,7,8-TCDF		0.9 U	0.1 U	1.3 U	0.9 U	2.6 R	2.7
1,2,3,7,8-PeCDF		0.8 U	0.1 U	0.9 U	0.4 U	0.7 U	11.2 U
2,3,4,7,8-PeCDF		0.8 U	0.1 U	0.9 U	0.4 U	0.7 U	10.9 U
1,2,3,4,7,8-HxCDF		6.1	0.47 R	0.8 U	0.6 U	7.4 R	10.3 U
1,2,3,6,7,8-HxCDF		0.5 U	0.1 U	0.6 U	0.5 U	2.7 R	8.3 U
2,3,4,6,7,8-HxCDF		2.2	0.51 R	0.8 U	0.6 U	2.3 R	10.3 U
1,2,3,7,8,9-HxCDF		0.7 U	0.2 U	0.9 U	0.7 U	1.1 U	11.4 U
1,2,3,4,6,7,8-HpCDF		5.0	0.98 R	1.6	1.3	38.2 R	32.8
1,2,3,4,7,8,9-HpCDF		0.7 U	0.2 U	0.8 U	1.0 U	2.9 R	11.5 U
1,2,3,4,6,7,8,9-OCDF		6.6 J	2.2 U	3.6	1.4	156 R	150
Total TCDD		0.9 U	0.30	1.2 U	1.8	16.9	(14.6)
Total PeCDD		0.9 U	0.24	1.1 U	0.89	1.3	15.0 U
Total HxCDD		0.7 U	6.7	0.9 U	7.3	46.4	19.7
Total HpCDD		19.7	20.8	22.0	18.5	349	306
Total TCDF		4.7	7.7	1.3 U	14.2	6.0	13.8 U
Total PeCDF		10.9	1.4	0.9 U	1.0	16.3	11.1 U
Total HxCDF		15.3	2.7	0.8 U	1.5	75.4	46.1
Total HpCDF		11.0	2.7	4.3	1.3	106	73.8
Total TEQ		1.0659	0.7458		0.4822	24.597	18.278

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(l) =Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D5006	D5006	D5007	D5007	D5007	D5008
	SAMPLE ID	D5006D1P1	D5006D1P2	D5007D1P1	D5007S1P1	D5007D1P3	D5008D1P1
	DATE / TIME	04/08/97 / 09:35	04/08/97 / 09:06	04/08/97 / 08:50	04/08/97 / 15:25	06/24/97 / 09:45	04/07/97 / 14:30
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.00
2,3,7,8-TCDD		0.2 U	1.8 U	7.4 R	4.0	0.9 U	0.44 R
1,2,3,7,8-PeCDD		0.3 U	1.5 U	6.3 R	3.8	1.0 U	0.2 U
1,2,3,4,7,8-HxCDD		(0.31) R	1.4 U	15.0 R	7.5	1.6 UJ	0.45 R
1,2,3,6,7,8-HxCDD		0.62 R	1.3 U	41.5 R	20.9	1.7 J	1.4 R
1,2,3,7,8,9-HxCDD		0.44 R	1.3 U	40.8 R	17.5	1.4 UJ	1.4 R
1,2,3,4,6,7,8-HpCDD		13.7 R	13.7 J	1220 R	657	33.1	44.6 R
1,2,3,4,6,7,8,9-OCDD		134 R	141 J	10460 R	5550	441	460 R
2,3,7,8-TCDF		0.2 U	1.7 U	3.8 R	1.2	(0.34)	0.1 U
1,2,3,7,8-PeCDF		0.30 R	1.3 U	1.8 R	(0.90)	0.9 U	0.2 U
2,3,4,7,8-PeCDF		0.48 R	1.2 U	2.5 R	(1.1)	0.8 U	0.1 U
1,2,3,4,7,8-HxCDF		21.2 R	18.7	61.7 R	31.9	5.8 J	2.6 R
1,2,3,6,7,8-HxCDF		0.93 R	0.9 U	9.2 R	4.4	1.2 UJ	0.38 R
2,3,4,6,7,8-HxCDF		1.7 R	2.2	10.6 R	4.9	1.4 UJ	0.66 U
1,2,3,7,8,9-HxCDF		0.3 U	1.3 U	0.44 R	2.1 U	1.6 UJ	0.2 U
1,2,3,4,6,7,8-HpCDF		5.7 R	6.3	178 R	90.5	9.0	6.3 R
1,2,3,4,7,8,9-HpCDF		1.0 R	1.3 U	16.8 R	3.2 U	2.0 U	0.5 R
1,2,3,4,6,7,8,9-OCDF		8.9 R	8.2 J	657 R	268	23.3	17.2 R
Total TCDD		0.2 U	1.8 U	14.1	4.0	0.9 U	0.44
Total PeCDD		0.39	1.5 U	18.9	8.7	1.0 U	0.43
Total HxCDD		4.4	1.3 U	267	131	4.0	10.5
Total HpCDD		27.2	28.8	2170	1190	39.2	133
Total TCDF		2.6	13.1	41.9	11.2	0.8 U	1.8
Total PeCDF		16.7	14.5	87.6	45.6	9.8	3.1
Total HxCDF		31.8	19.7	316	149	28.3	11.5
Total HpCDF		16.3	19.5	645	90.5	27.6	20.5
Total TEQ		3.1219	2.4392	55.459	28.618	1.6693	2.0542

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(I) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D5008	D5009	D5009	D5009	D5010	D5010
	SAMPLE ID	D5008D1P2	D5009D1P1	D5009D1P2	D5009D1P3	D5010D1P1	D5010D1P2
	DATE / TIME	04/07/97 / 14:31	04/07/97 / 13:50	04/07/97 / 13:51	06/24/97 / 10:00	04/07/97 / 13:25	04/07/97 / 13:26
	DEPTH (ft)	0.50	0.00	0.50	0.00	0.00	0.50
2,3,7,8-TCDD		1.5 U	0.7 R	0.4 U	0.3 U	0.38 R	0.8 U
1,2,3,7,8-PeCDD		1.6 U	(0.35) R	0.3 U	0.4 U	0.2 U	0.4 U
1,2,3,4,7,8-HxCDD		1.4 U	0.94 R	0.83	0.8 U	(0.25) R	0.5 U
1,2,3,6,7,8-HxCDD		1.3 U	2.4 R	2.3	0.7 U	0.50 R	0.5 U
1,2,3,7,8,9-HxCDD		1.2 U	2.2 R	2.2	0.7 U	0.51 R	0.5 U
1,2,3,4,6,7,8-HpCDD		39.0	69.0 R	62.6	11.2	13.3 R	12.3
1,2,3,4,6,7,8,9-OCDD		456	580 R	551	170	179 R	173
2,3,7,8-TCDF		1.6 U	0.46 R	0.5 U	0.3 U	0.39 R	0.6 U
1,2,3,7,8-PeCDF		1.2 U	0.3 U	0.3 U	0.3 U	(0.17) R	0.4 U
2,3,4,7,8-PeCDF		1.2 U	0.3 U	0.3 U	0.3 U	0.2 U	0.4 U
1,2,3,4,7,8-HxCDF		1.4 U	11.0 R	10.4	2.2	0.71 R	0.74
1,2,3,6,7,8-HxCDF		1.1 U	0.77 R	0.80	0.5 U	0.2 U	0.4 U
2,3,4,6,7,8-HxCDF		1.4 U	1.6 U	1.8 U	0.7 U	0.59 R	0.77 U
1,2,3,7,8,9-HxCDF		1.8 U	0.4 U	0.4 U	0.7 U	0.3 U	0.6 U
1,2,3,4,6,7,8-HpCDF		7.2	11.8 R	13.4	2.8	2.0 R	2.4 U
1,2,3,4,7,8,9-HpCDF		1.5 U	1.4 R	2.1 U	1.1 U	0.3 U	0.6 U
1,2,3,4,6,7,8,9-OCDF		23.5	32.3 R	28.1	8.1	8.4 R	7.7 U
Total TCDD		1.5 U	0.69	0.4 U	0.39	0.38	0.6 U
Total PeCDD		1.6 U	0.45	0.3 U	0.4 U	0.2 U	0.4 U
Total HxCDD		3.6	13.9	10.0	3.2	2.4	0.5 U
Total HpCDD		127	137	125	25.9	25.5	21.7
Total TCDF		1.6 U	0.46	1.1	5.1	0.71	0.6 U
Total PeCDF		2.2	7.9	6.8	19.2	0.68	1.2
Total HxCDF		4.8	26.1	24.2	2.0	3.3	3.2
Total HpCDF		7.2	39.8	13.4	2.8	6.4	2.4
Total TEQ		0.9415	4.0863	2.9921	0.5381	1.0239	0.37

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

() = Less than Reporting Limit

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D5011	D5011	D5011	D5012	D5012	D5012
	SAMPLE ID	D5011D1P1	D5011D1P2	D5011D1P3	D5012D1P1	D5012D1P2	D5012D1P3
	DATE / TIME	04/07/97 / 10:56	04/07/97 / 10:57	06/24/97 / 10:15	04/07/97 / 10:45	04/07/97 / 10:46	06/24/97 / 13:45
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.50	0.00
2,3,7,8-TCDD		4.2 R	3.5	4.3	5.5 R	2.1 U	6.2
1,2,3,7,8-PeCDD		1.9 R	1.0 U	0.7 U	2.2 R	2.0 U	3.7
1,2,3,4,7,8-HxCDD		3.3 R	3.2	3.2	5.6 R	5.7	9.1
1,2,3,6,7,8-HxCDD		11.0 R	10.4	10.4	15.9 R	12.2	20.8
1,2,3,7,8,9-HxCDD		11.8 R	11.5	9.6	15.1 R	16.5	21.8
1,2,3,4,6,7,8-HpCDD		342 R	318	267	484 R	460	570
1,2,3,4,6,7,8,9-OCDD		3700 R	3530	3710 J	5030 R	4870	6390
2,3,7,8-TCDF		1.8	2.2	1.2 U	(1.2) R	1.5	2.2
1,2,3,7,8-PeCDF		0.79 R	0.7 U	0.5 U	0.5 U	1.6 U	1.2
2,3,4,7,8-PeCDF		1.3 R	0.7 U	0.5 U	1.3 R	1.6 U	1.8
1,2,3,4,7,8-HxCDF		30.9 R	25.3	5.9	40.8 R	37.0	11.0
1,2,3,6,7,8-HxCDF		3.5 R	3.6	2.8	4.5 R	1.5 U	4.7
2,3,4,6,7,8-HxCDF		3.6 R	3.8 U	5.3	4.3 R	1.9 U	8.0
1,2,3,7,8,9-HxCDF		(0.21) R	1.0 U	1.3 U	(0.37) R	2.1 U	1.1 U
1,2,3,4,6,7,8-HpCDF		47.8 R	42.7	38.7	58.3 R	57.7	79.1
1,2,3,4,7,8,9-HpCDF		5.4 R	4.5	3.6	11.2 R	4.8	7.8
1,2,3,4,6,7,8,9-OCDF		162 R	161	137 J	210 R	190	582
Total TCDD		5.3	3.5	5.9	6.4	2.1 U	6.2
Total PeCDD		2.3	1.0 U	2.7	5.7	2.0 U	5.9
Total HxCDD		72.7	68.2	75.9	111	89.3	150
Total HpCDD		641	592	667	947	908	1250
Total TCDF		9.7	24.9	10.6	14.8	26.3	14.7
Total PeCDF		39.8	17.9	25.1	52.1	33.3	35.8
Total HxCDF		103	86.2	83.6	116	55.7	130
Total HpCDF		169	161	117	216	62.5	234
Total TEQ		20.2645	16.433	14.96	26.802	17.575	30.311

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For DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D5013	D5013	D5013	D5014	D5014	D5015
	SAMPLE ID	D5013D1P1	D5013D1P2	D5013S1P1	D5014D1P1	D5014D1P2	D5015D1P1
	DATE / TIME	04/07/97 / 09:45	04/07/97 / 09:46	04/08/97 / 15:45	04/07/97 / 09:10	04/07/97 / 09:11	04/07/97 / 08:40
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.50	0.00
2,3,7,8-TCDD		5.2 R	6.9 U	0.3 U	5.4 R	11.2 U	8.3 R
1,2,3,7,8-PeCDD		2.8 R	6.2 U	0.4 U	3.2 R	7.0 U	5.2 R
1,2,3,4,7,8-HxCDD		4.4 R	6.8 U	0.99	6.3 R	6.9 U	12.2 R
1,2,3,6,7,8-HxCDD		13.6 R	10.3	3.0	17.7 R	15.9	30.8 R
1,2,3,7,8,9-HxCDD		12.8 R	9.6	4.0	16.6 R	19.2	32.5 R
1,2,3,4,6,7,8-HpCDD		329 R	335	66.3	497 R	440	928 R
1,2,3,4,6,7,8,9-OCDD		2960 R	2890	547	4830 R	4420	9130 R
2,3,7,8-TCDF		1.3 R	1.5	0.51	1.9 R	5.2 U	4.7 U
1,2,3,7,8-PeCDF		1.7 R	4.6 U	0.3 U	1.9 R	5.5 U	2.4 R
2,3,4,7,8-PeCDF		1.4 R	4.4 U	0.3 U	2.3 R	5.3 U	2.7 R
1,2,3,4,7,8-HxCDF		19.2 R	14.6	1.3	23.3 R	19.1	33.9 R
1,2,3,6,7,8-HxCDF		4.0 R	4.4 U	0.70	4.3 R	5.0 U	8.4 R
2,3,4,6,7,8-HxCDF		4.1 R	5.4 U	0.76	4.0 R	6.2 U	8.0 R
1,2,3,7,8,9-HxCDF		0.89 R	6.0 U	0.5 U	1.0 R	6.9 U	0.67 R
1,2,3,4,6,7,8-HpCDF		42.7 R	32.5	8.7	60.4 R	52.9	120 R
1,2,3,4,7,8,9-HpCDF		5.3 R	5.9 U	0.7 U	6.3 R	6.0 U	12.4 R
1,2,3,4,6,7,8,9-OCDF		131 R	120	20.9	263 R	220	480 R
Total TCDD		7.0	6.9 U	1.9	7.2	11.2 U	17.4
Total PeCDD		8.2	6.2 U	2.3	6.3	7.0 U	27.0
Total HxCDD		91.4	10.3	23.8	105	35.1	243
Total HpCDD		625	654	132	806	723	1950
Total TCDF		21.9	20.2	7.2	18.5	11.7 U	34.2
Total PeCDF		28.8	14.3	5.5	36.0	57.3	69.7
Total HxCDF		88.7	71.6	14.5	112	90.4	207
Total HpCDF		143	112	24.0	202	183	428
Total TEQ		20.275	10.285	2.4439	26.485	14.989	45.231

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT	(Units in ng/kg)	SITE	D5016	D5016	D5016	D5016	D5017	D5017
		SAMPLE ID	D5016D1P2	D5016D1P3	D5016D1P1	D5016D1P2	D5017D1P1	D5017D1P2
		DATE / TIME	04/07/97 / 08:41	06/24/97 / 10:30	04/08/97 / 15:05	04/08/97 / 15:06	04/08/97 / 15:35	04/08/97 / 15:06
		DEPTH (ft)	0.50	0.00	0.00	0.50	0.00	0.50
2,3,7,8-TCDD			5.2 U	5.1	1.1 R	0.8 U	2.4 R	2.7
1,2,3,7,8-PeCDD			6.4 U	3.0	1.2 R	0.9 U	(1.2) R	0.8 U
1,2,3,4,7,8-HxCDD			11.0	7.8	1.4 R	1.3	(2.4) R	2.9
1,2,3,6,7,8-HxCDD			32.1	17.3	4.4 R	4.7	8.0 R	9.4
1,2,3,7,8,9-HxCDD			38.8	20.1	4.5 R	4.5	7.3 R	6.9
1,2,3,4,6,7,8-HpCDD			868	526	129 R	140	239 R	273 J
1,2,3,4,6,7,8,9-OCDD			9070 J	6420	992 R	1050	2310 R	2580
2,3,7,8-TCDF			5.2 U	2.7	1.8 R	1.7	0.78 R	0.7 U
1,2,3,7,8-PeCDF			5.2 U	1.3	0.56 R	0.7 U	(0.84) R	0.6 U
2,3,4,7,8-PeCDF			6.0 U	1.5	0.90 R	0.6 U	(1.1) R	0.6 U
1,2,3,4,7,8-HxCDF			27.8	8.3	2.5 R	2.5	29.7 R	28.2
1,2,3,6,7,8-HxCDF			9.7	5.3	1.1 R	1.1	2.5 R	3.1
2,3,4,6,7,8-HxCDF			8.2 U	8.7	1.4 U	2.1	3.8 R	5.0
1,2,3,7,8,9-HxCDF			4.6 U	1.0 U	0.4 U	0.8 U	2.4 U	0.7 U
1,2,3,4,6,7,8-HpCDF			114	95.3	30.3 R	25.9	45.2 R	44.2
1,2,3,4,7,8,9-HpCDF			12.7 U	7.0	1.3 R	1.2	4.2 R	5.9
1,2,3,4,6,7,8,9-OCDF			259 J	433	68.8 R	77.9	90.8 R	123
Total TCDD			18.0	10.9	4.0	0.8 U	2.4	2.7
Total PeCDD			92.4	17.7	10.2	3.3	4.6	0.8 U
Total HxCDD			218	177	52.2	33.5	74.2	65.9
Total HpCDD			1560	1190	301	302	808	804
Total TCDF			18.2	14.0	13.4	8.1	12.6	4.5
Total PeCDF			96.8	41.3	14.5	12.9	65.6	16.9
Total HxCDF			156	161	40.1	34.7	97.2	98.9
Total HpCDF			358	256	83.5	74.8	137	148
Total TEQ			31.069	27.571	6.4148	4.5889	14.3248	14.184

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For PSL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D6001	D6001	D6002	D6002	D6003	D6003
	SAMPLE ID	D6001D1P1	D6001D1P2	D6002D1P1	D6002D1P2	D6003D1P1	D6003D1P2
	DATE / TIME	04/08/97 / 08:50	04/08/97 / 08:01	04/08/97 / 09:15	04/08/97 / 09:06	04/08/97 / 13:05	04/08/97 / 13:06
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.2 U	0.3 U	0.1 U	0.3 U	0.49 R	0.7 U
1,2,3,7,8-PeCDD		0.3 U	0.3 U	0.2 U	0.3 U	1.6 R	0.8 U
1,2,3,4,7,8-HxCDD		0.52 R	0.48	0.43 R	0.3 U	3.2 R	3.0
1,2,3,6,7,8-HxCDD		1.6 R	1.3	0.58 R	0.63	6.4 R	6.4
1,2,3,7,8,9-HxCDD		1.6 R	1.6	1.1 R	1.0	7.2 R	5.7
1,2,3,4,6,7,8-HpCDD		39.8 R	39.8	12.3 R	13.1	185 R	211
1,2,3,4,6,7,8,9-OCDD		388 R	399	457 R	471	2050 R	2210
2,3,7,8-TCDF		0.2 U	0.2 U	0.1 U	0.2 U	0.96 R	0.6 U
1,2,3,7,8-PeCDF		0.2 U	0.2 U	0.1 U	0.2 U	0.70 R	0.6 U
2,3,4,7,8-PeCDF		0.2 U	0.2 U	0.1 U	0.2 U	0.70 R	0.6 U
1,2,3,4,7,8-HxCDF		1.4 R	1.4	2.2 R	2.1	3.9 R	2.5
1,2,3,6,7,8-HxCDF		0.38 R	0.34	0.23 R	0.2 U	1.7 R	1.5
2,3,4,6,7,8-HxCDF		0.71 R	1.2	0.44 R	0.61	2.1 R	2.6
1,2,3,7,8,9-HxCDF		0.3 U	0.3 U	0.2 U	0.3 U	0.5 U	0.7 U
1,2,3,4,6,7,8-HpCDF		8.3 R	7.7	1.4 R	1.8	37.6 R	33.6
1,2,3,4,7,8,9-HpCDF		0.63 R	0.56	0.39 R	0.54	2.3 R	3.0
1,2,3,4,6,7,8,9-OCDF		23.9 R	27.5	3.4 U	3.4	84.6 R	97.6
Total TCDD		1.8	1.8	0.1 U	0.3 U	1.0	0.7 U
Total PeCDD		0.76	0.84	0.2 U	0.3 U	3.4	0.8 U
Total HxCDD		12.4	7.4	5.3	2.3	73.2	55.3
Total HpCDD		80.2	82.1	29.4	31.1	609	610
Total TCDF		0.51	1.5	0.75	0.71	4.6	2.4
Total PeCDF		3.6	2.0	0.64	4.2	19.6	13.1
Total HxCDF		11.3	10.0	3.2	0.44	58.1	34.5
Total HpCDF		21.9	21.8	3.6	4.0	108	104
Total TEQ		1.5202	1.5391	1.0959	1.0628	8.6046	6.9536

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D6004	D6004	D6005	D6005	D6005	D6005
	SAMPLE ID	D6004D1P1	D6004D1P2	D6005D1P1	D6005D1P2	D6005D1P3	D6006D1P1
	DATE / TIME	04/08/97 / 10:20	04/08/97 / 10:01	04/08/97 / 10:50	04/08/97 / 10:01	06/25/97 / 15:00	04/08/97 / 13:50
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.00
2,3,7,8-TCDD		0.3 U	0.5 U	0.5 U	3.7 U	0.7 U	0.52 R
1,2,3,7,8-PeCDD		0.6 U	0.5 U	2.7 R	3.0 U	3.6	5.1 R
1,2,3,4,7,8-HxCDD		0.87 R	0.5 U	6.6 R	5.9	7.6	8.5 R
1,2,3,6,7,8-HxCDD		1.4 R	1.8	17.0 R	18.6	23.9	17.0 R
1,2,3,7,8,9-HxCDD		2.1 R	1.8	13.9 R	14.2	18.5	17.6 R
1,2,3,4,6,7,8-HpCDD		29.8 R	32.0	311 R	332 J	480	359 R
1,2,3,4,6,7,8,9-OCDD		271 R	285	1950 R	2160	3740	3220 R
2,3,7,8-TCDF		0.37 R	0.4 U	1.2	3.7 U	1.7	1.2 R
1,2,3,7,8-PeCDF		0.4 U	0.4 U	1.3 R	2.6 U	1.5	0.85 R
2,3,4,7,8-PeCDF		0.4 U	0.4 U	1.3 R	2.5 U	1.9	1.3 R
1,2,3,4,7,8-HxCDF		0.85 R	0.4 U	12.2 R	7.9	17.9	14.3 R
1,2,3,6,7,8-HxCDF		0.34 R	0.3 U	3.4 R	4.8	4.8	3.5 R
2,3,4,6,7,8-HxCDF		0.70 R	0.4 U	4.1 R	3.9	8.0	4.8 R
1,2,3,7,8,9-HxCDF		0.4 U	0.4 U	(0.40) R	2.3 U	1.1 U	0.5 U
1,2,3,4,6,7,8-HpCDF		5.7 R	5.0	48.1 R	43.7	63.9	84.2 R
1,2,3,4,7,8,9-HpCDF		(0.43) R	0.5 U	3.3 R	3.0	4.1	5.5 R
1,2,3,4,6,7,8,9-OCDF		8.3 R	9.5	64.7 R	76.0	159	258 R
Total TCDD		0.3 U	0.61	0.5 U	3.7 U	0.84	0.52
Total PeCDD		0.6 U	0.5 U	7.3	3.0 U	4.7	14.6
Total HxCDD		12.5	9.6	121	105	170	143
Total HpCDD		72.9	70.3	724	704	1370	761
Total TCDF		2.6	1.7	6.6	3.7 U	10.0	13.8
Total PeCDF		1.9	2.0	33.6	16.0	42.4	49.6
Total HxCDF		10.1	6.0	110	77.3	130	110
Total HpCDF		13.6	13.1	119	110	164	263
Total TEQ		1.3016	1.0245	13.5837	11.553	20.444	18.4175

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

(l) =Less than Reporting Limit

U =non-detect, R=rejected, EDL=estimated detection limit

For TCDF DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	D6006	EE04D	EE04D	EE04D	EE04U	EE04U
	SAMPLE ID	D6006D1P2	EE04DD1P1	EE04DD1P2	EE04DD1P3	EE04UD1P1	EE04UD1P2
	DATE / TIME	04/08/97 / 13:01	04/22/97 / 16:30	04/22/97 / 16:31	06/26/97 / 11:20	04/22/97 / 16:30	04/22/97 / 16:31
	DEPTH (ft)	0.50	0.00	0.50	0.00	0.00	0.50
2,3,7,8-TCDD		1.3 U	2.7 R	2.3	7.8	39.8 R	45.2
1,2,3,7,8-PeCDD		4.8	1.2 R	1.3 U	0.4 U	3.8 R	4.2 U
1,2,3,4,7,8-HxCDD		6.7	2.1 R	2.6	1.3	10.8 R	7.8
1,2,3,6,7,8-HxCDD		17.9	7.6 R	9.1	3.8	26.0 R	19.1
1,2,3,7,8,9-HxCDD		17.0	7.9 R	7.8	3.6	24.5 R	23.4
1,2,3,4,6,7,8-HpCDD		393	172 R	212	114	725 R	805
1,2,3,4,6,7,8,9-OCDD		3470	1590 R	1740	1110	6810 R	7200
2,3,7,8-TCDF		1.1 U	0.4 U	1.3 U	3.4	10.7 R	12.0
1,2,3,7,8-PeCDF		1.1 U	0.62 R	1.0 U	0.3 U	1.5 R	3.6 U
2,3,4,7,8-PeCDF		1.0 U	0.82 R	0.9 U	0.3 U	1.7 R	3.4 U
1,2,3,4,7,8-HxCDF		12.2	1.9 R	3.1	2.5	13.0 R	12.7
1,2,3,6,7,8-HxCDF		3.9	0.73 R	1.4	1.4	8.1 R	9.4
2,3,4,6,7,8-HxCDF		6.7	(0.88) R	2.6	2.1	5.6 R	5.9 U
1,2,3,7,8,9-HxCDF		1.3 U	1.1 U	1.6 U	0.4 U	1.5 U	6.1 U
1,2,3,4,6,7,8-HpCDF		75.5	17.0 R	24.2	25.8	172 R	186
1,2,3,4,7,8,9-HpCDF		7.9	(1.1) R	1.9 U	2.3	10.9 R	14.9
1,2,3,4,6,7,8,9-OCDF		312	68.3 R	78.0	112	530 R	567
Total TCDD		1.3 U	9.9	8.8	8.4	46.2	45.2
Total PeCDD		4.8	18.2	8.4	1.7	27.0	9.2
Total HxCDD		117	129	107	28.7	238	172
Total HpCDD		789	413	478	228	1540	1680
Total TCDF		2.0	0.4 U	1.3 U	8.6	38.9	12.0
Total PeCDF		39.2	17.1	7.9	10.0	70.4	58.8
Total HxCDF		96.1	13.2	39.1	34.7	208	94.1
Total HpCDF		247	17.0	85.9	88.6	653	737
Total TEQ		17.386	9.4113	9.14	12.253	68.914	71.466

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	EE05D	EE05D	EE05U	EE05U	EE07D	EE07D
	SAMPLE ID	EE05DD1P1	EE05DD1P2	EE05UD1P1	EE05UD1P2	EE07DD1P1	EE07DD1P2
	DATE / TIME	04/23/97 / 10:50	04/23/97 / 10:51	04/23/97 / 11:15	04/23/97 / 11:16	04/22/97 / 16:00	04/22/97 / 16:01
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		44.4 R	42.4	182 R	197	0.7 U	3.2 U
1,2,3,7,8-PeCDD		1.8 R	2.8	6.8 R	6.9	2.9 R	2.5 U
1,2,3,4,7,8-HxCDD		4.6 R	3.0	11.7 R	10.6	5.6 R	3.9
1,2,3,6,7,8-HxCDD		9.5 R	9.0	29.6 R	29.1	9.0 R	8.3
1,2,3,7,8,9-HxCDD		11.3 R	9.2	29.8 R	24.1	11.5 R	10.1
1,2,3,4,6,7,8-HpCDD		241 R	244	721 R	734	131 R	158
1,2,3,4,6,7,8,9-OCDD		1860 R	1990	5200 R	5750	987 R	1130
2,3,7,8-TCDF		8.2 R	10.1	39.6 R	42.3	0.5 U	3.0 U
1,2,3,7,8-PeCDF		0.79 R	1.1 U	0.7 U	3.2	(0.54) R	2.0 U
2,3,4,7,8-PeCDF		0.82 R	1.1 U	2.8 R	2.4	0.7 U	1.9 U
1,2,3,4,7,8-HxCDF		7.5 R	8.6	20.3 R	19.1	2.8 R	2.5
1,2,3,6,7,8-HxCDF		3.2 R	3.1	9.3 R	10.1	1.6 R	1.8 U
2,3,4,6,7,8-HxCDF		4.2 R	6.0	8.4 R	14.6	1.6 R	2.3 U
1,2,3,7,8,9-HxCDF		1.0 U	1.8 U	1.1 U	1.3 U	1.1 U	2.5 U
1,2,3,4,6,7,8-HpCDF		54.8 R	44.9	160 R	128	35.2 R	30.0
1,2,3,4,7,8,9-HpCDF		4.3 R	2.4 U	9.9 R	9.4	1.9 R	2.8 U
1,2,3,4,6,7,8,9-OCDF		94.7 R	107	279 R	339	57.2 R	76.9
Total TCDD		47.4	42.4	197	215	0.7 U	3.2 U
Total PeCDD		6.7	7.3	38.5	24.6	2.6	2.5 U
Total HxCDD		93.2	72.7	282	255	70.6	44.1
Total HpCDD		514	548	1640	1660	273	312
Total TCDF		23.2	21.5	114	117	1.9	3.0 U
Total PeCDF		41.6	43.7	161	150	13.2	8.5
Total HxCDF		76.5	60.8	232	218	42.1	7.6
Total HpCDF		143	119	433	349	88.7	30.0
Total TEQ		55.5552	53.686	216.048	231.603	7.4122	5.5669

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( ) = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	EE07U	EE07U	EE13D	EE13D	EE13U	EE13U
	SAMPLE ID	EE07UD1P1	EE07UD1P2	EE13DD1P1	EE13DD1P2	EE13UD1P1	EE13UD1P2
	DATE / TIME	04/22/97 / 16:00	04/22/97 / 16:01	04/22/97 / 15:35	04/22/97 / 15:36	04/22/97 / 15:35	04/22/97 / 15:36
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		18.9 R	18.4	5.0 R	5.1	6.3 R	4.3
1,2,3,7,8-PeCDD		4.1 R	4.0	1.4 U	0.9 U	0.69 R	3.1 U
1,2,3,4,7,8-HxCDD		10.1 R	6.9	1.6 U	1.0 U	1.8 R	3.7 U
1,2,3,6,7,8-HxCDD		21.1 R	22.8	1.5 R	0.9 U	4.4 R	4.4
1,2,3,7,8,9-HxCDD		20.4 R	19.5	1.5 U	0.9 U	4.6 R	4.3
1,2,3,4,6,7,8-HpCDD		619 R	671	36.8 R	41.6	111 R	116 J
1,2,3,4,6,7,8,9-OCDD		6560 R	7540	357 R	379	1030 R	1170
2,3,7,8-TCDF		12.8 R	13.8	(0.84) R	3.0	2.0 R	3.3 U
1,2,3,7,8-PeCDF		1.8 R	2.5	1.0 U	0.7 U	0.3 U	2.5 U
2,3,4,7,8-PeCDF		1.8 R	1.9	1.0 U	0.7 U	0.3 U	2.5 U
1,2,3,4,7,8-HxCDF		11.9 R	11.6	1.1 U	0.9 U	1.9 R	3.0 U
1,2,3,6,7,8-HxCDF		11.3 R	11.4	0.8 U	0.7 U	1.3 R	2.4 U
2,3,4,6,7,8-HxCDF		5.7 R	11.6	1.2 U	0.9 U	1.2 R	3.0 U
1,2,3,7,8,9-HxCDF		1.1 U	0.9 U	1.3 U	1.0 U	0.5 U	3.3 U
1,2,3,4,6,7,8-HpCDF		134 R	120	9.4 R	8.3	26.8 R	21.9
1,2,3,4,7,8,9-HpCDF		9.6 R	10.0	1.8 U	1.0 U	2.1 R	3.5 U
1,2,3,4,6,7,8,9-OCDF		283 R	310	60.3 R	69.3	78.7 R	103
Total TCDD		20.1	20.0	5.0	5.1	7.0	4.3
Total PeCDD		11.6	13.3	1.4 U	0.9 U	2.9	3.1 U
Total HxCDD		193	168	9.3	4.2	40.4	4.3
Total HpCDD		1350	1420	117	132	241	251
Total TCDF		24.7	29.2	(0.84)	3.0	5.2	3.3 U
Total PeCDF		68.2	54.9	6.1	3.6	11.3	11.0
Total HxCDF		229	206	11.8	7.2	36.9	12.9
Total HpCDF		368	130	44.6	45.2	89.9	82.3
Total TEQ		45.739	47.095	6.1133	6.3473	10.8727	7.822

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	EEN1D	EEN1D	EEN1U	EEN1U	EEN2D	EEN2D
	SAMPLE ID	EEN1DD1P1	EEN1DD1P2	EEN1UD1P1	EEN1UD1P2	EEN2DD1P1	EEN2DD1P2
	DATE / TIME	04/23/97 / 15:15	04/23/97 / 15:16	04/23/97 / 15:22	04/23/97 / 16:23	04/23/97 / 14:25	04/23/97 / 14:26
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		259 R	243	453 R	439	575 R	637
1,2,3,7,8-PeCDD		4.2 R	7.1	23.0 R	26.3	8.2 R	7.7
1,2,3,4,7,8-HxCDD		2.5 U	3.8 U	2.9 R	3.8	15.2 R	13.1
1,2,3,6,7,8-HxCDD		4.0 R	4.9	9.5 R	11.0	43.3 R	40.7
1,2,3,7,8,9-HxCDD		2.4 R	3.4 U	7.9 R	8.0	37.3 R	31.9
1,2,3,4,6,7,8-HpCDD		60.4 R	67.6	122 R	123	2040 R	2160
1,2,3,4,6,7,8,9-OCDD		516 R	572	833 R	885	14260 R	15970
2,3,7,8-TCDF		46.6 R	49.3	74.7 R	75.1	45.6 R	42.5
1,2,3,7,8-PeCDF		1.4 U	1.9 U	1.5 R	4.1	2.8 R	3.0
2,3,4,7,8-PeCDF		1.4 U	1.9 U	3.4 R	4.8	3.4 R	2.8
1,2,3,4,7,8-HxCDF		4.4 R	2.9 U	7.4 R	9.4	43.1 R	1.5 U
1,2,3,6,7,8-HxCDF		2.1 R	2.4 U	1.4 R	2.8	5.6 R	5.7
2,3,4,6,7,8-HxCDF		4.0 R	2.9 U	4.9 R	1.5 U	5.0 R	10.0
1,2,3,7,8,9-HxCDF		2.1 U	3.2 U	1.0 U	1.6 U	3.7 U	1.6 U
1,2,3,4,6,7,8-HpCDF		23.3 R	16.6	31.2 R	25.0	150 R	124
1,2,3,4,7,8,9-HpCDF		2.5 U	4.2 U	4.3 R	4.3	13.1 R	8.8 M
1,2,3,4,6,7,8,9-OCDF		62.0 R	70.6	72.1 R	77.6	461 R	599
Total TCDD		285	266	524	492	693	670
Total PeCDD		7.2	11.8	56.4	55.5	37.4	21.2
Total HxCDD		37.9	38.3	111	112	862	787
Total HpCDD		159	179	323	328	10290	10750
Total TCDF		149	133	302	286	188	174
Total PeCDF		134	121	305	284	269	257
Total HxCDF		32.2	15.3	56.4	57.4	229	218
Total HpCDF		74.8	55.8	84.7	66.1	695	124
Total TEQ		268.865	253.4546	479.6251	468.2506	637.202	696.287

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For BCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	EEN2U	EEN2U	L8001	L8002	L8003	L8004
	SAMPLE ID	EEN2UD1P1	EEN2UD1P2	L8001S1P1	L8002S1P1	L8003S1P1	L8004S1P1
	DATE / TIME	04/23/97 / 14:45	04/23/97 / 14:46	04/09/97 / 09:00	04/09/97 / 11:05	04/10/97 / 10:40	04/10/97 / 09:55
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.00	0.00
2,3,7,8-TCDD		980 R	1020	1.2	0.70	1.3 R	0.5 U
1,2,3,7,8-PeCDD		13.8 R	13.8	0.6 U	0.4 U	0.5 U	0.6 U
1,2,3,4,7,8-HxCDD		14.9 R	10.6	1.1 U	(0.48)	0.9 U	1.0 U
1,2,3,6,7,8-HxCDD		26.0 R	25.0	0.9 U	0.69	0.6 U	0.7 U
1,2,3,7,8,9-HxCDD		31.8 R	24.3	1.0 U	0.97	0.7 U	0.8 U
1,2,3,4,6,7,8-HpCDD		694 R	706	7.5	20.7	12.9 R	9.0 R
1,2,3,4,6,7,8,9-OCDD		5410 R	6180	642	447	169 R	110 R
2,3,7,8-TCDF		73.8 R	78.1	0.3 U	0.2 U	0.4 U	0.4 U
1,2,3,7,8-PeCDF		3.4 R	3.0	0.5 U	0.3 U	0.5 U	0.5 U
2,3,4,7,8-PeCDF		3.3 R	2.7	0.5 U	0.3 U	0.5 U	0.5 U
1,2,3,4,7,8-HxCDF		24.8 R	25.1	0.6 U	0.59	(0.46) R	0.7 U
1,2,3,6,7,8-HxCDF		6.6 R	5.4	0.5 U	0.3 U	0.4 U	0.5 U
2,3,4,6,7,8-HxCDF		7.4 R	10.9	0.7 U	(0.37)	0.44 U	0.53 U
1,2,3,7,8,9-HxCDF		1.3 U	2.0 U	0.7 U	0.4 U	0.6 U	0.8 U
1,2,3,4,6,7,8-HpCDF		116 R	92.3	0.9 U	3.5	4.2 R	3.1 R
1,2,3,4,7,8,9-HpCDF		9.0 R	7.4	1.2 U	0.6 U	0.8 U	1.0 U
1,2,3,4,6,7,8,9-OCDF		204 R	263	1.3 U	4.9	7.2 R	5.2 R
Total TCDD		1040	1080	1.6	0.70	1.3	0.5 U
Total PeCDD		58.6	50.7	0.6 U	0.4 U	0.5 U	0.6 U
Total HxCDD		339	290	(0.89)	7.5	2.3	1.4
Total HpCDD		1820	1910	7.5	46.9	28.5	19.7
Total TCDF		291	310	0.3 U	0.36	0.4 U	0.4 U
Total PeCDF		339	311	(0.47)	1.9	5.9	1.0
Total HxCDF		178	161	0.6 U	3.8	2.8	1.9
Total HpCDF		359	284	1.0 U	3.5	4.2	7.6
Total TEQ		1020.954	1060.84	1.917	1.7039	1.6932	0.2362

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8005	L8006	L8007	L8007	L8008	L8008
	SAMPLE ID	L8005S1P1	L8006S1P1	L8007S1P1	L8007S1P2	L8008S1P1	L8008S1P2
	DATE / TIME	04/09/97 / 10:15	04/09/97 / 15:40	04/23/97 / 09:25	04/23/97 / 09:26	04/23/97 / 09:55	04/23/97 / 09:56
	DEPTH (ft)	0.00	0.00	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.45	102	0.4 U	1.6 U	3.0 R	2.5
1,2,3,7,8-PeCDD		0.66	25.9	0.5 U	1.5 U	0.55 R	1.2 U
1,2,3,4,7,8-HxCDD		1.2	2.0	0.84 R	2.5 U	0.89 R	1.9 U
1,2,3,6,7,8-HxCDD		2.6	5.9	1.2 R	1.9 U	1.3 R	1.5 U
1,2,3,7,8,9-HxCDD		3.1	2.7	1.7 R	2.1 U	1.6 R	1.6 U
1,2,3,4,6,7,8-HpCDD		58.2	52.5	32.8 R	35.1	50.6 R	53.9
1,2,3,4,6,7,8,9-OCDD		474	746	271 R	268	498 R	496
2,3,7,8-TCDF		0.1 U	4.8	0.3 U	1.4 U	0.37 R	0.9 U
1,2,3,7,8-PeCDF		0.2 U	0.2 U	0.4 U	1.1 U	0.3 U	0.8 U
2,3,4,7,8-PeCDF		0.42	1.7	0.4 U	1.1 U	0.30 R	0.8 U
1,2,3,4,7,8-HxCDF		2.9	0.3 U	2.6 R	3.0	1.9 R	2.3
1,2,3,6,7,8-HxCDF		0.80	0.2 U	0.40 R	1.2 U	0.48 R	1.0 U
2,3,4,6,7,8-HxCDF		1.3	0.3 U	<0.89 EDL	1.5 U	<1.0 EDL	1.2 U
1,2,3,7,8,9-HxCDF		0.3 U	0.3 U	0.5 U	1.7 U	0.4 U	1.3 U
1,2,3,4,6,7,8-HpCDF		25.0	7.7	7.0 R	6.8	9.6 R	9.2
1,2,3,4,7,8,9-HpCDF		1.4	0.6 U	0.54 R	2.2 U	0.70 R	1.6 U
1,2,3,4,6,7,8,9-OCDF		41.2	10.1	11.9 R	16.7	25.1 R	28.9
Total TCDD		0.88	262	0.4 U	1.6 U	3.0	2.5
Total PeCDD		1.9	257	0.97	1.9	1.1	1.2 U
Total HxCDD		30.8	210	11.7	5.1	21.5	7.6
Total HpCDD		140	138	63.5	68.7	203	227
Total TCDF		1.6	227	1.4	1.4 U	2.2	1.6
Total PeCDF		11.5	226	5.1	3.2	5.6	8.7
Total HxCDF		29.5	22.6	10.3	10.3	11.9	9.8
Total HpCDF		64.1	20.9	7.5	6.8	32.2	29.2
Total TEQ		3.5412	118.6981	1.3603	1.0037	5.2111	3.8859

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For BSL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8009	L8010	L8011	L8012	L8013	L8013
	SAMPLE ID	L8009S1P1	L8010S1P1	L8011S1P1	L8012S1P1	L8013S1P1	L8013S1P2
	DATE / TIME	04/10/97 / 11:15	04/09/97 / 16:30	04/09/97 / 13:50	04/09/97 / 15:05	04/25/97 / 10:05	04/25/97 / 10:06
	DEPTH (ft)	0.00	0.00	0.75	0.00	0.00	0.50
2,3,7,8-TCDD		0.97 R	1.0	0.71	3.3	1.7	2.7 U
1,2,3,7,8-PeCDD		0.5 U	0.4 U	0.3 U	0.3 U	0.8 U	2.1 U
1,2,3,4,7,8-HxCDD		0.7 U	0.9 U	0.6 U	0.5 U	1.1 U	2.8 U
1,2,3,6,7,8-HxCDD		2.5 R	0.7 U	0.5 U	2.2	(0.60)	2.6 U
1,2,3,7,8,9-HxCDD		1.8	0.7 U	0.5 U	1.6	1.0 U	2.5 U
1,2,3,4,6,7,8-HpCDD		67.2 R	1.7	2.9	67.8	12.5 R	12.2
1,2,3,4,6,7,8,9-OCDD		694 R	16.5	176	631	293 R	345
2,3,7,8-TCDF		0.3 U	0.40	0.2 U	0.2 U	0.4 U	2.7 U
1,2,3,7,8-PeCDF		0.4 U	0.3 U	0.3 U	0.2 U	0.5 U	2.0 U
2,3,4,7,8-PeCDF		0.4 U	0.3 U	0.3 U	0.2 U	0.5 U	1.9 U
1,2,3,4,7,8-HxCDF		2.3 R	0.5 U	0.4 U	0.3 U	2.9 R	2.2 U
1,2,3,6,7,8-HxCDF		0.75 R	0.4 U	0.3 U	0.35	0.69 R	1.8 U
2,3,4,6,7,8-HxCDF		1.0 U	(0.48)	0.4 U	0.64	2.4 R	2.2 U
1,2,3,7,8,9-HxCDF		0.6 U	0.6 U	0.4 U	0.3 U	0.8 U	2.4 U
1,2,3,4,6,7,8-HpCDF		18.3 R	6.4	0.6 U	7.1	8.2 R	8.6
1,2,3,4,7,8,9-HpCDF		1.0	1.3 U	0.8 U	0.5 U	1.2 U	3.5 U
1,2,3,4,6,7,8,9-OCDF		43.3 R	1.9 U	0.9 U	13.9	7.5 R	3.8 U
Total TCDD		1.6	1.0	0.71	3.3	1.7	2.7 U
Total PeCDD		1.0	0.69	0.3 U	0.47	0.8 U	2.1 U
Total HxCDD		23.6	1.8	0.5 U	23.7	2.3	2.6 U
Total HpCDD		207	4.5	5.9	341	29.5	12.2
Total TCDF		0.84	1.0	0.2 U	0.71	2.1	2.7 U
Total PeCDF		7.2	1.2	0.3 U	10.0	30.8	28.9
Total HxCDF		20.0	7.5	0.4 U	10.9	28.9	9.9
Total HpCDF		57.7	6.4	0.7 U	7.1	9.9	8.6
Total TEQ		3.3073	1.1855	0.915	5.1729	2.8665	0.553

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1AC of 1AI

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	L8014	L8015	L8016	L8016	L8017	L8017
	SAMPLE ID	L8014S1P1	L8015S1P1	L8016S1P1	L8016S1P2	L8017S1P1	L8017S1P2
	DATE / TIME	04/10/97 / 14:35	04/09/97 / 14:15	04/24/97 / 15:10	04/24/97 / 15:11	04/23/97 / 14:35	04/23/97 / 14:36
	DEPTH (ft)	0.00	0.00	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		160 R	0.60	91.0 R	83.5	3.8 R	5.0
1,2,3,7,8-PeCDD		3.5 R	0.4 U	(0.53) R	0.3 U	0.72 R	1.2 U
1,2,3,4,7,8-HxCDD		7.3 R	0.7 U	0.94 R	0.99	1.3 R	1.4 U
1,2,3,6,7,8-HxCDD		17.0 R	0.98	1.4 R	1.5	3.0 R	2.9
1,2,3,7,8,9-HxCDD		14.9 R	0.93	2.3 R	2.0	2.6 R	2.9
1,2,3,4,6,7,8-HpCDD		464 R	17.7	51.2 R	53.8 J	72.4 R	79.7
1,2,3,4,6,7,8,9-OCDD		3960 R	202	451 R	463 J	659 R	696
2,3,7,8-TCDF		4.6 R	0.32	1.3 R	1.4	0.55 R	0.8 U
1,2,3,7,8-PeCDF		0.87 R	0.3 U	0.5 U	0.3 U	0.50 R	0.9 U
2,3,4,7,8-PeCDF		0.95 R	0.37	0.5 U	0.3 U	0.65 R	0.9 U
1,2,3,4,7,8-HxCDF		17.6 R	1.1	0.99 R	1.00	5.6 R	1.0 U
1,2,3,6,7,8-HxCDF		5.8 R	0.65	0.3 U	0.3 U	2.4 R	2.2
2,3,4,6,7,8-HxCDF		9.6 R	1.1	<0.74 EDL	0.85	2.9 R	4.0
1,2,3,7,8,9-HxCDF		0.8 U	0.4 U	0.6 U	0.4 U	0.3 U	1.0 U
1,2,3,4,6,7,8-HpCDF		232 R	11.1	6.5 R	4.7	39.7 R	41.2
1,2,3,4,7,8,9-HpCDF		7.9 R	0.8 U	0.7 U	0.4 U	1.9 R	1.3 U
1,2,3,4,6,7,8,9-OCDF		426 R	12.4	16.8 R	20.2 J	52.3 R	64.5
Total TCDD		167	0.87	93.1	83.5	3.8	5.0
Total PeCDD		8.8	0.48	1.3	1.5	1.4	1.2 U
Total HxCDD		149	6.9	33.9	31.9	28.8	23.9
Total HpCDD		835	31.8	303	294	166	189
Total TCDF		21.2	3.9	4.9	3.3	4.2	0.8 U
Total PeCDF		68.1	21.4	10.5	11.9	28.0	32.4
Total HxCDF		227	20.9	3.9	2.1	54.7	50.9
Total HpCDF		568	11.1	6.5	16.7	95.7	98.9
Total TEQ		181.3735	1.7954	93.0028	85.3422	8.1963	8.1695

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For BCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8018	L8018	L8019	L8019	L8020	L8020
	SAMPLE ID	L8018S1P1	L8018S1P2	L8019S1P1	L8019S1P2	L8020S1P1	L8020S1P2
	DATE / TIME	04/24/97 / 11:55	04/24/97 / 11:56	04/22/97 / 15:00	04/22/97 / 15:01	04/23/97 / 13:00	04/23/97 / 13:01
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		37.2 R	35.7	(0.86) R	0.74	0.46 R	0.88
1,2,3,7,8-PeCDD		3.5 R	1.3 U	1.8 U	0.4 U	0.4 U	0.3 U
1,2,3,4,7,8-HxCDD		6.0 R	6.7	2.2 U	0.7 U	0.5 U	0.5 U
1,2,3,6,7,8-HxCDD		17.6 R	18.8	2.0 R	1.8	0.4 U	0.4 U
1,2,3,7,8,9-HxCDD		14.1 R	12.0	2.5 R	2.2	0.60 R	0.4 U
1,2,3,4,6,7,8-HpCDD		567 R	583	52.7 R	50.9	7.2 R	7.0
1,2,3,4,6,7,8,9-OCDD		4280 R	4520	576 R	595	317 R	311
2,3,7,8-TCDF		2.3 R	4.0	0.8 U	0.4 U	0.3 U	0.3 U
1,2,3,7,8-PeCDF		1.4 R	1.1 U	1.1 U	0.3 U	0.3 U	0.3 U
2,3,4,7,8-PeCDF		2.7 R	2.5	1.1 U	0.3 U	0.3 U	0.3 U
1,2,3,4,7,8-HxCDF		26.9 R	21.0	(1.1) R	1.4	0.60 R	0.80
1,2,3,6,7,8-HxCDF		6.7 R	5.5	(0.54) R	0.46	0.3 U	0.3 U
2,3,4,6,7,8-HxCDF		9.0 R	8.1	(0.85) R	1.4 U	0.61 R	0.93
1,2,3,7,8,9-HxCDF		1.5 U	1.7 U	1.5 U	0.6 U	0.4 U	0.4 U
1,2,3,4,6,7,8-HpCDF		161 R	134	22.1 R	23.7	2.7 R	3.3
1,2,3,4,7,8,9-HpCDF		6.7 R	9.1	2.3 U	0.99	0.5 U	0.5 U
1,2,3,4,6,7,8,9-OCDF		440 R	501	41.7 R	37.7	1.7 R	2.1
Total TCDD		38.3	35.7	(0.86)	0.74	0.46	0.88
Total PeCDD		11.4	11.7	1.8 U	0.4 U	0.4 U	0.3 U
Total HxCDD		165	147	20.5	21.1	1.5	0.4 U
Total HpCDD		1280	1290	164	158	15.9	19.3
Total TCDF		25.3	17.6	3.3	5.0	0.55	1.5
Total PeCDF		115	97.8	3.6	7.4	7.9	6.7
Total HxCDF		226	186	19.9	20.2	6.7	7.4
Total HpCDF		567	496	31.0	53.3	5.2	5.7
Total TEQ		60.697	56.842	2.9247	2.7146	1.0587	1.4691

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1AE of 1AI  
Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	L8021	L8021	L8022	L8022	L8023	L8023
	SAMPLE ID	L8021S1P1	L8021S1P2	L8022S1P1	L8022S1P2	L8023S1P1	L8023S1P2
	DATE / TIME	04/24/97 / 09:30	04/24/97 / 09:36	04/24/97 / 14:35	04/24/97 / 14:36	04/24/97 / 10:05	04/24/97 / 10:06
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		67.7 R	62.4	4.9 R	4.6	39.6 R	38.5
1,2,3,7,8-PeCDD		0.76 R	0.9 U	0.82 R	0.72	1.9 R	1.8
1,2,3,4,7,8-HxCDD		1.2 R	(1.1)	1.9 R	1.6	4.6 R	3.6
1,2,3,6,7,8-HxCDD		2.8 R	2.9	4.5 R	4.6	12.9 R	12.9
1,2,3,7,8,9-HxCDD		2.9 R	3.0	4.7 R	4.2	9.1 R	7.7
1,2,3,4,6,7,8-HpCDD		72.6 R	78.0 J	121 R	127 J	337 R	340
1,2,3,4,6,7,8,9-OCDD		704 R	735 J	1290 R	1280	2490 R	2570
2,3,7,8-TCDF		1.9 R	2.1	0.80 R	0.4 U	1.7 R	2.9
1,2,3,7,8-PeCDF		0.5 U	0.7 U	0.6 U	0.3 U	0.5 U	0.8 U
2,3,4,7,8-PeCDF		0.53 R	1.0	0.6 U	0.63	0.91 R	0.8 U
1,2,3,4,7,8-HxCDF		3.0 R	2.7	5.8 R	5.2	12.8 R	10.7
1,2,3,6,7,8-HxCDF		1.5 R	1.5	1.5 R	1.7	2.8 R	3.1
2,3,4,6,7,8-HxCDF		2.2 U	1.5	2.2 U	2.5	4.9 R	3.8
1,2,3,7,8,9-HxCDF		0.8 U	1.1 U	0.8 U	0.5 U	0.7 U	1.2 U
1,2,3,4,6,7,8-HpCDF		34.2 R	25.3	38.7 R	31.3	108 R	85.7
1,2,3,4,7,8,9-HpCDF		1.0 R	(1.0)	2.3 R	2.4	4.9 R	5.9
1,2,3,4,6,7,8,9-OCDF		47.7 R	57.2 J	84.0 R	83.8	292 R	320
Total TCDD		69.7	64.4	6.4	5.9	41.2	38.5
Total PeCDD		1.8	3.0	2.6	3.4	6.0	4.1
Total HxCDD		37.8	33.0	62.7	52.1	94.1	82.2
Total HpCDD		229	238	337	353	650	669
Total TCDF		10.8	7.2	2.2	1.2	6.7	6.9
Total PeCDF		36.0	38.1	14.2	11.0	31.4	25.3
Total HxCDF		49.2	41.9	44.8	40.4	124	107
Total HpCDF		77.1	60.0	120	100	381	326
Total TEQ		71.5047	66.2152	10.224	10.2258	53.236	51.076

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For BCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8024	L8024	L8025	L8025	L8026	L8026
	SAMPLE ID	L8024S1P1	L8024S1P2	L8025S1P1	L8025S1P2	L8026S1P1	L8026S1P2
	DATE / TIME	04/24/97 / 10:30	04/24/97 / 10:31	04/24/97 / 15:50	04/24/97 / 15:51	04/23/97 / 13:35	04/23/97 / 13:36
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		8.7 R	7.5	66.0 R	63.0	163 R	174
1,2,3,7,8-PeCDD		1.4 U	0.5 U	3.3 R	2.9	1.7 R	2.1 J
1,2,3,4,7,8-HxCDD		1.6 U	0.7 U	6.6 R	6.0	2.0 R	3.0
1,2,3,6,7,8-HxCDD		1.5 R	1.5	43.5 R	43.8	3.6 R	4.5
1,2,3,7,8,9-HxCDD		1.6 R	1.2	15.1 R	13.2	3.8 R	5.2
1,2,3,4,6,7,8-HpCDD		35.8 R	38.3 J	1920 R	2070	106 R	116
1,2,3,4,6,7,8,9-OCDD		291 R	309 J	22180 R	14400	881 R	874
2,3,7,8-TCDF		0.8 U	0.6 U	8.5 R	8.7	8.7 R	10.4
1,2,3,7,8-PeCDF		1.1 U	0.5 U	0.8 U	0.4 U	0.69 R	1.0 J
2,3,4,7,8-PeCDF		1.1 U	0.5 U	0.8 U	0.4 U	1.4 R	1.5 J
1,2,3,4,7,8-HxCDF		3.1 R	2.8	26.6 R	22.6	4.8 R	5.1
1,2,3,6,7,8-HxCDF		0.98 R	0.79	3.3 R	3.7	2.1 R	2.4
2,3,4,6,7,8-HxCDF		1.5 U	1.0	4.1 R	0.6 U	3.1 R	1.1 U
1,2,3,7,8,9-HxCDF		1.3 U	0.7 U	1.0 U	0.7 U	<0.5 R	1.3 U
1,2,3,4,6,7,8-HpCDF		14.8 R	11.8	319 R	255	22.9 R	21.4
1,2,3,4,7,8,9-HpCDF		1.4 U	0.7 U	14.6 R	13.8	1.0 R	1.8
1,2,3,4,6,7,8,9-OCDF		22.4 R	24.8 J	1070 R	1230	45.4 R	59.4
Total TCDD		8.7	7.5	71.6	67.3	171	182
Total PeCDD		1.4 U	0.5 U	7.0	8.0	5.3	10.1
Total HxCDD		14.5	11.9	227	204	42.0	45.3
Total HpCDD		99.3	105	3630	3890	250	289
Total TCDF		6.7	6.1	47.7	37.4	59.6	54.8
Total PeCDF		24.4	22.1	112	97.9	155	127
Total HxCDF		26.3	23.7	333	289	75.3	67.9
Total HpCDF		37.0	29.6	1550	1250	70.0	64.8
Total TEQ		10.2374	9.0638	124.206	113.268	169.6199	181.2354

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8027	L8027	L8028	L8028	L8029	L8029
	SAMPLE ID	L8027S1P1	L8027S1P2	L8028S1P1	L8028S1P2	L8029S1P1	L8029S1P2
	DATE / TIME	04/25/97 / 14:35	04/25/97 / 14:36	04/22/97 / 15:30	04/22/97 / 15:31	04/25/97 / 15:30	04/25/97 / 15:31
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		2.0 R	2.0	0.7 U	1.0 U	5.7 R	6.1
1,2,3,7,8-PeCDD		0.6 U	0.3 U	1.1 U	0.9 U	0.8 U	0.86
1,2,3,4,7,8-HxCDD		1.5 R	1.2	1.6 U	1.5 U	3.5 R	2.8
1,2,3,6,7,8-HxCDD		2.9 R	2.8	1.2 U	1.1 U	8.1 R	7.9
1,2,3,7,8,9-HxCDD		2.4 R	2.6	1.4 U	1.2 U	5.6 R	5.2
1,2,3,4,6,7,8-HpCDD		74.0 R	80.3	17.0 R	16.9	219 R	244
1,2,3,4,6,7,8,9-OCDD		549 R	585	197 R	201	1670 R	1850
2,3,7,8-TCDF		0.70	1.2	0.5 U	0.9 U	0.4 U	0.58
1,2,3,7,8-PeCDF		0.4 U	0.3 U	0.6 U	0.7 U	0.5 U	0.1 U
2,3,4,7,8-PeCDF		0.64 R	0.3 U	0.6 U	0.7 U	0.5 U	0.65
1,2,3,4,7,8-HxCDF		3.7 R	3.2	0.99 R	1.2 U	8.9 R	7.9
1,2,3,6,7,8-HxCDF		1.0 R	0.3 U	(0.61) R	0.9 U	3.2 R	3.0
2,3,4,6,7,8-HxCDF		2.5 R	2.2 U	1.2 R	1.2 U	5.9 R	0.2 U
1,2,3,7,8,9-HxCDF		0.6 U	0.4 U	1.2 U	1.2 U	1.1 U	0.2 U
1,2,3,4,6,7,8-HpCDF		21.5 R	22.7	4.4 R	4.4	94.1 R	102
1,2,3,4,7,8,9-HpCDF		1.4 R	0.88	1.7 U	1.4 U	3.3	2.7
1,2,3,4,6,7,8,9-OCDF		32.9 R	32.8	6.8 R	6.7	167 R	168
Total TCDD		2.8	1.6	0.7 U	1.0 U	5.7	6.1
Total PeCDD		0.74	2.3	1.1 U	0.9 U	4.5	1.4
Total HxCDD		26.0	25.4	1.9	1.7	69.5	63.9
Total HpCDD		151	163	36.5	21.1	562	608
Total TCDF		2.4	5.0	6.3	7.5	3.6	6.1
Total PeCDF		16.7	16.0	36.3	8.5	43.6	42.0
Total HxCDF		37.6	29.4	24.3	19.0	124	110
Total HpCDF		56.3	56.6	11.6	11.6	241	251
Total TEQ		5.3409	4.7566	0.6978	0.4207	14.221	15.098

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

U = non-detect, R = rejected, EDL = estimated detection limit

For PCL DIOX

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8030	L8030	L8031	L8031	L8032	L8032
	SAMPLE ID	L8030S1P1	L8030S1P2	L8031S1P1	L8031S1P2	L8032S1P1	L8032S1P2
	DATE / TIME	04/25/97 / 16:05	04/25/97 / 15:06	04/22/97 / 16:10	04/22/97 / 16:11	04/23/97 / 14:15	04/23/97 / 14:16
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.6 U	0.78	3.5 R	3.6	51.2 R	56.2
1,2,3,7,8-PeCDD		0.8 U	0.54	5.8 R	5.1	(0.53) R	2.9 U
1,2,3,4,7,8-HxCDD		1.9 R	1.7	14.1 R	14.1	0.93 R	3.9 U
1,2,3,6,7,8-HxCDD		10.2 R	9.9	26.6 R	28.2	2.2 R	3.0 U
1,2,3,7,8,9-HxCDD		4.2 R	3.5	32.4 R	31.8	2.1 R	3.3 U
1,2,3,4,6,7,8-HpCDD		431 R	486	857 R	977	76.2 R	79.6
1,2,3,4,6,7,8,9-OCDD		4780 R	5200	8300 R	7710	892 R	985
2,3,7,8-TCDF		0.4 U	0.2 U	1.4 R	1.5	1.5 R	4.0 U
1,2,3,7,8-PeCDF		0.5 U	0.2 U	2.6 R	1.6	0.4 U	2.3 U
2,3,4,7,8-PeCDF		0.5 U	0.2 U	2.1 R	2.2	0.4 U	2.3 U
1,2,3,4,7,8-HxCDF		15.5 R	15.5	29.4 R	27.8	2.3 R	2.7 U
1,2,3,6,7,8-HxCDF		1.3 R	1.4	11.5 R	11.9	(0.36) R	2.0 U
2,3,4,6,7,8-HxCDF		2.5 R	2.3 U	14.6 R	15.3	<0.82 EDL	2.3 U
1,2,3,7,8,9-HxCDF		0.9 U	0.3 U	(0.58) R	0.7 U	0.6 U	2.7 U
1,2,3,4,6,7,8-HpCDF		108 R	111	210 R	214	18.2 R	20.4
1,2,3,4,7,8,9-HpCDF		5.6 R	5.6	13.0 R	13.9	1.2 R	3.1 U
1,2,3,4,6,7,8,9-OCDF		802 R	875	384 R	400	57.4 R	101
Total TCDD		0.6 U	0.78	4.8	3.6	54.1	56.2
Total PeCDD		0.8 U	0.54	30.3	25.6	(0.44)	2.9 U
Total HxCDD		47.3	42.4	318	296	22.7	18.2
Total HpCDD		706	790	2110	2220	186	203
Total TCDF		0.4 U	0.88	15.7	25.5	7.8	4.0 U
Total PeCDF		8.0	6.5	108	94.6	15.4	7.9
Total HxCDF		93.7	93.0	353	343	16.6	6.1
Total HpCDF		714	692	578	555	67.0	68.8
Total TEQ		14.588	16.351	40.112	40.549	54.3094	58.286

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For RCL DIOX

TABLE 1  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	L8033	L8033
	SAMPLE ID	L8033S1P1	L8033S1P2
	DATE / TIME	04/25/97 / 15:55	04/25/97 / 15:56
	DEPTH (ft)	0.00	0.50
2,3,7,8-TCDD		2.0 R	2.4
1,2,3,7,8-PeCDD		1.2	1.2 J
1,2,3,4,7,8-HxCDD		2.9 R	2.6
1,2,3,6,7,8-HxCDD		9.7 R	10.2
1,2,3,7,8,9-HxCDD		8.1 R	7.3
1,2,3,4,6,7,8-HpCDD		193 R	216
1,2,3,4,6,7,8,9-OCDD		1200 R	1320
2,3,7,8-TCDF		0.3 U	0.88
1,2,3,7,8-PeCDF		0.53 R	0.1 U
2,3,4,7,8-PeCDF		0.47	0.56
1,2,3,4,7,8-HxCDF		8.8 R	8.2
1,2,3,6,7,8-HxCDF		2.8 R	3.0
2,3,4,6,7,8-HxCDF		6.2 R	5.8
1,2,3,7,8,9-HxCDF		0.5 U	0.2 U
1,2,3,4,6,7,8-HpCDF		97.1 R	104
1,2,3,4,7,8,9-HpCDF		3.0	2.9
1,2,3,4,6,7,8,9-OCDF		133 R	134
Total TCDD		2.0	2.4
Total PeCDD		7.0	5.2
Total HxCDD		69.2	65.2
Total HpCDD		377	412
Total TCDF		5.7	6.0
Total PeCDF		39.6	15.8
Total HxCDF		112	107
Total HpCDF		234	232
Total TEQ		10.9755	11.761

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For PCL DIOX

TABLE 2  
 OFF-BASE DELINEATION  
 DIOXIN RESULTS  
 NCBC GULFPORT  
 (soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	BB001	BB001	BB002	BB002	BB003	BB003
	SAMPLE ID	BB001D1P1	BB001D1P2	BB002D1P1	BB002D1P2	BB003D1P1	BB003D1P2
	DATE / TIME	05/16/97 / 12:47	05/16/97 / 12:48	05/16/97 / 13:25	05/16/97 / 13:26	05/16/97 / 14:05	05/16/97 / 14:06
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.7 U	0.3 U	0.9 U	0.68	1.1 R	1.3
1,2,3,7,8-PeCDD		0.9 U	0.4 U	1.1 U	0.7 U	1.5 R	1.7
1,2,3,4,7,8-HxCDD		(0.83) R	0.75	2.2 R	2.2	5.3 R	5.6
1,2,3,6,7,8-HxCDD		3.3 R	2.6	5.0 R	5.4	18.8 R	20.4
1,2,3,7,8,9-HxCDD		7.2 R	6.8	9.1 R	8.8	23.8 R	22.9
1,2,3,4,6,7,8-HpCDD		102 R	98.7	273 R	290	693 R	807
1,2,3,4,6,7,8,9-OCDD		1530 R	1570	2720 R	2880	9890 R	10350
2,3,7,8-TCDF		0.6 U	0.3 U	0.7 U	(0.31)	(0.78) R	1.6
1,2,3,7,8-PeCDF		0.7 U	0.3 U	0.8 U	0.5 U	0.91 R	0.7 U
2,3,4,7,8-PeCDF		0.7 U	0.3 U	0.7 U	0.5 U	1.3 R	0.7 U
1,2,3,4,7,8-HxCDF		1.1 R	1.0	1.7 R	1.6	9.5 R	11.0
1,2,3,6,7,8-HxCDF		0.53 R	0.36	0.64 R	0.72	3.6 R	4.5
2,3,4,6,7,8-HxCDF		0.98 R	0.91	1.6 R	1.5	7.4 R	7.0
1,2,3,7,8,9-HxCDF		0.7 U	0.4 U	0.8 U	0.6 U	0.8 U	0.9 U
1,2,3,4,6,7,8-HpCDF		10.7 R	10.6	28.3 R	22.5	143 R	126
1,2,3,4,7,8,9-HpCDF		(0.85) R	0.96	2.0 R	1.9	11.7 R	12.9
1,2,3,4,6,7,8,9-OCDF		34.6 R	36.8	79.5 R	97.2	465 R	609
Total TCDD		21.6	18.2	16.2	16.8	39.3	37.9
Total PeCDD		26.4	28.5	14.4	13.4	32.5	15.2
Total HxCDD		143	142	150	151	221	239
Total HpCDD		235	228	1340	1460	1410	1870
Total TCDF		0.61	0.55	0.92	0.91	6.9	1.6
Total PeCDF		1.7	2.6	3.3	3.8	26.9	23.2
Total HxCDF		14.5	12.9	28.1	28.5	135	169
Total HpCDF		32.5	32.1	96.8	80.2	476	499
Total TEQ		4.0941	3.9514	7.8565	8.8542	28.2955	29.868

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OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	BB004	BB004	BB005	BB005	BC001	BC001
	SAMPLE ID	BB004D1P1	BB004D1P2	BB005D1P1	BB005D1P2	BC001D1P1	BC001D1P2
	DATE / TIME	05/16/97 / 15:24	05/16/97 / 15:25	05/16/97 / 15:38	05/16/97 / 15:39	04/29/97 / 09:30	04/29/97 / 09:31
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.6 U	0.3 U	(0.62) R	3.6 U	0.9 U	0.3 UJ
1,2,3,7,8-PeCDD		0.8 U	0.4 U	3.3 R	5.6 U	1.3 U	0.4 U
1,2,3,4,7,8-HxCDD		1.2 R	1.1	9.7 R	5.2 U	1.6 U	0.6 U
1,2,3,6,7,8-HxCDD		6.5 R	6.9	47.7 R	36.2	1.1 U	1.6 J
1,2,3,7,8,9-HxCDD		4.2 R	4.1	28.7 R	22.4	1.3 U	1.6
1,2,3,4,6,7,8-HpCDD		210 R	225	1510 R	1530	51.3 R	49.9
1,2,3,4,6,7,8,9-OCDD		2450 R	2610	18850 R	18990	411 R	452
2,3,7,8-TCDF		0.67 R	0.3 U	2.9 R	3.2 U	0.7 U	0.3 UJ
1,2,3,7,8-PeCDF		0.6 U	0.3 U	2.9 R	3.8 U	0.9 U	0.3 U
2,3,4,7,8-PeCDF		0.6 U	0.3 U	3.9 R	3.6 U	0.9 U	0.3 U
1,2,3,4,7,8-HxCDF		5.0 R	5.1	33.4 R	34.5	2.9 R	2.5 J
1,2,3,6,7,8-HxCDF		2.0 R	2.4	14.7 R	18.7	0.8 U	0.69
2,3,4,6,7,8-HxCDF		3.5 R	3.4	26.3 R	21.1	1.1 U	1.3
1,2,3,7,8,9-HxCDF		0.6 U	0.4 U	(1.4) R	4.8 U	1.2 U	0.5 U
1,2,3,4,6,7,8-HpCDF		82.5 R	70.5	568 R	442	10.2 R	10.8
1,2,3,4,7,8,9-HpCDF		6.0 R	5.7	38.9 R	17.9	1.9 U	0.97
1,2,3,4,6,7,8,9-OCDF		217 R	262	1550 R	2160	24.3 R	31.0
Total TCDD		3.5	3.2	38.1	22.2	0.9 U	0.3 U
Total PeCDD		1.4	1.7	48.7	47.1	1.3 U	2.5
Total HxCDD		54.6	53.4	389	178	9.3	10.8
Total HpCDD		444	481	3260	3430	103	103
Total TCDF		0.67	0.67	19.6	3.2 U	0.7 U	1.4
Total PeCDF		10.5	9.8	81.4	73.9	2.3	1.4
Total HxCDF		84.9	86.9	596	546	15.7	10.1
Total HpCDF		289	259	2120	1690	34.7	23.2
Total TEQ		7.959	8.184	62.414	54.339	1.3403	1.8687

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TABLE 2

OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1C of 1K

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	BC002	BC002	BC003	BC004	BC005	C1001
	SAMPLE ID	BC002D1P1	BC002D1P2	BC003D1P1	BC004D1P1	BC005D1P1	C1001D1P1
	DATE / TIME	04/29/97 / 10:45	04/29/97 / 10:48	05/19/97 / 12:00	05/19/97 / 11:30	05/19/97 / 11:00	04/23/97 / 09:00
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.00	0.00
2,3,7,8-TCDD		0.4 U	0.3 U	0.8 U	0.60	9.6 U	0.6 U
1,2,3,7,8-PeCDD		0.7 U	0.3 U	2.3	2.1	16.5 U	3.8 R
1,2,3,4,7,8-HxCDD		1.0 U	0.5 U	4.2	4.9	13.0 U	3.8 R
1,2,3,6,7,8-HxCDD		1.4 R	1.6	14.4	14.3	11.9 U	6.2 R
1,2,3,7,8,9-HxCDD		0.8 U	0.4 U	11.5	17.1	11.5 U	8.1 R
1,2,3,4,6,7,8-HpCDD		26.3 R	26.7	440	402	86.0	92.6 R
1,2,3,4,6,7,8,9-OCDD		192 R	174	5740	4740	1880	762 R
2,3,7,8-TCDF		0.3 U	0.3 U	2.6	3.3	7.9 U	0.6 U
1,2,3,7,8-PeCDF		0.4 U	0.2 U	2.3	1.9	10.3 U	0.6 U
2,3,4,7,8-PeCDF		0.5 U	0.35	1.8	2.2	10.0 U	0.6 U
1,2,3,4,7,8-HxCDF		1.4 R	1.2	10.6	8.8	9.5 U	6.4 R
1,2,3,6,7,8-HxCDF		0.4 U	0.3 U	5.5	4.1	7.7 U	1.4 R
2,3,4,6,7,8-HxCDF		0.6 U	0.4 U	5.7	6.0	9.5 U	2.2 R
1,2,3,7,8,9-HxCDF		0.7 U	0.6 U	0.9 U	0.6 U	10.5 U	1.0 U
1,2,3,4,6,7,8-HpCDF		3.9 R	4.7	72.2	62.2	15.8	25.5 R
1,2,3,4,7,8,9-HpCDF		1.1 U	0.6 U	5.4	4.3	12.8 U	1.9 R
1,2,3,4,6,7,8,9-OCDF		6.6 R	8.3	482	281	25.5 U	50.1 R
Total TCDD		0.4 U	0.3 U	3.8	9.8	9.6 U	0.85
Total PeCDD		0.7 U	0.3 U	13.6	18.2	16.5 U	5.8
Total HxCDD		3.2	3.7	85.7	173	12.1 U	46.7
Total HpCDD		46.6	45.9	665	721	182	176
Total TCDF		0.3 U	0.3 U	20.7	21.9	7.9 U	3.8
Total PeCDF		1.2	2.7	43.1	46.0	10.1 U	13.8
Total HxCDF		6.2	7.5	105	105	9.2 U	45.5
Total HpCDF		15.0	14.4	209	189	15.8	27.5
Total TEQ		0.7806	0.9513	19.013	18.401	2.898	6.7221

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OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE SAMPLE ID DATE / TIME DEPTH (ft)	C1001 C1001D1P2 04/23/97 / 09:01 0.50	C1002 C1002D1P1 04/24/97 / 09:30 0.00	C1002 C1002D1P2 04/24/97 / 09:31 0.50	C1003 C1003D1P1 04/22/97 / 13:45 0.00	C1003 C1003D1P2 04/22/97 / 13:46 0.50	C1005 C1005D1P1 04/23/97 / 10:45 0.00
2,3,7,8-TCDD		0.4 U	3.1 R	4.5 U	4.1 R	5.5	1.0 R
1,2,3,7,8-PeCDD		1.9	0.85 R	3.3 U	1.3 R	0.8 U	1.1 U
1,2,3,4,7,8-HxCDD		2.9	1.4 R	4.0 U	3.4 R	3.0	1.4 U
1,2,3,6,7,8-HxCDD		6.0	3.2 R	3.7 U	7.1 R	7.4	1.2 R
1,2,3,7,8,9-HxCDD		6.0	5.1 R	3.6 U	8.0 R	6.8	2.2 R
1,2,3,4,6,7,8-HpCDD		98.2	86.6 R	85.8 J	195 R	208	40.4 R
1,2,3,4,6,7,8,9-OCDD		749	1160 R	1340 J	1760 R	1860	392 R
2,3,7,8-TCDF		0.59	0.78 R	4.5 U	1.8 R	2.2	0.5 U
1,2,3,7,8-PeCDF		0.3 U	0.5 U	3.0 U	0.4 U	0.6 U	0.6 U
2,3,4,7,8-PeCDF		0.3 U	0.5 U	2.9 U	0.69 R	0.6 U	0.6 U
1,2,3,4,7,8-HxCDF		5.6	14.2 R	17.8	4.2 R	4.3	1.3 R
1,2,3,6,7,8-HxCDF		1.6	1.1 R	2.9 U	2.4 R	2.3	(0.52) R
2,3,4,6,7,8-HxCDF		0.74	1.4 U	3.6 U	1.7 R	3.2	0.95 R
1,2,3,7,8,9-HxCDF		0.6 U	0.8 U	4.0 U	0.9 U	1.2 U	1.0 U
1,2,3,4,6,7,8-HpCDF		22.2	19.4 R	14.3	32.8 R	32.2	6.0 R
1,2,3,4,7,8,9-HpCDF		2.0	2.0 R	3.6 U	2.4 R	2.8	1.3 U
1,2,3,4,6,7,8,9-OCDF		51.6	29.7 R	49.7 J	79.2 R	83.2	18.6 R
Total TCDD		0.4 U	6.3	4.5 U	1.2	5.5	1.0
Total PeCDD		1.7	1.7	3.3 U	0.83	1.4	1.1 U
Total HxCDD		37.4	31.0	20.1	69.7	58.1	18.0
Total HpCDD		184	181	186	521	474	162
Total TCDF		3.3	9.1	4.5 U	5.3	11.0	0.5 U
Total PeCDF		7.4	30.7	5.7	18.9	12.4	3.5
Total HxCDF		30.8	32.5	27.5	50.2	46.0	10.7
Total HpCDF		22.2	47.8	46.7	113	93.3	22.4
Total TEQ		5.3176	8.3627	4.1707	12.0962	12.7932	2.4916

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TABLE 2  
OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1E of 1K

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	C1005	C1006	C1006	TC001	TC001	TC002
	SAMPLE ID	C1005D1P2	C1006D1P1	C1006D1P2	TC001D1P1	TC001D1P2	TC002D1P1
	DATE / TIME	04/23/97 / 10:46	04/23/97 / 13:30	04/23/97 / 13:31	04/25/97 / 15:30	04/25/97 / 15:31	04/25/97 / 15:30
	DEPTH (ft)	0.50	0.00	0.50	0.00	0.50	0.00
2,3,7,8-TCDD		0.86	0.6 U	0.3 U	0.4 U	0.2 U	0.3 U
1,2,3,7,8-PeCDD		0.3 U	1.0 U	0.3 U	0.62 R	0.2 U	0.4 U
1,2,3,4,7,8-HxCDD		(0.46)	1.0 U	0.4 U	1.2 R	0.72	0.6 U
1,2,3,6,7,8-HxCDD		1.2	0.8 U	0.4 U	1.8 R	1.6	0.5 U
1,2,3,7,8,9-HxCDD		1.6	1.3 R	1.4	8.2 R	8.1	2.6 R
1,2,3,4,6,7,8-HpCDD		41.6	11.9 R	13.1	48.8 R	51.2	11.5 R
1,2,3,4,6,7,8,9-OCDD		413	142 R	151	614 R	632	143 R
2,3,7,8-TCDF		0.4 U	0.4 U	0.3 U	0.3 U	0.2 U	0.2 U
1,2,3,7,8-PeCDF		0.3 U	0.6 U	0.2 U	0.4 U	0.2 U	0.3 U
2,3,4,7,8-PeCDF		0.3 U	0.6 U	0.2 U	0.4 U	0.2 U	0.3 U
1,2,3,4,7,8-HxCDF		0.4 U	0.7 U	1.1	0.6 U	0.2 U	0.4 U
1,2,3,6,7,8-HxCDF		0.4 U	0.6 U	0.3 U	(0.17) R	0.25	0.3 U
2,3,4,6,7,8-HxCDF		0.4 U	0.8 U	0.4 U	<0.54 EDL	0.37 U	<0.64 EDL
1,2,3,7,8,9-HxCDF		0.5 U	0.9 U	0.4 U	0.7 U	0.2 U	0.5 U
1,2,3,4,6,7,8-HpCDF		5.2	2.5 R	2.8	0.8 U	0.2 U	0.58 R
1,2,3,4,7,8,9-HpCDF		0.77	1.2 U	1.0	1.1 U	0.3 U	0.7 U
1,2,3,4,6,7,8,9-OCDF		18.8	5.0 R	7.0	1.2 U	0.3 U	(0.69) R
Total TCDD		0.86	0.6 U	0.3 U	10.2	10.2	0.64
Total PeCDD		1.1	1.0 U	0.84	26.1	23.8	1.3
Total HxCDD		16.0	9.7	5.8	174	144	17.8
Total HpCDD		170	24.2	27.3	229	232	29.7
Total TCDF		0.97	0.4 U	0.3 U	0.48	1.3	0.2 U
Total PeCDF		1.9	0.6 U	7.0	0.4 U	0.2 U	0.3 U
Total HxCDF		7.1	1.1	5.9	(0.54)	0.62	0.64
Total HpCDF		5.2	7.1	8.0	0.9 U	0.3 U	(0.58)
Total TEQ		2.0935	0.421	0.577	2.549	2.211	0.52449

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TAL  
 OFF-BASE DELINEATION  
 DIOXIN RESULTS  
 NCBC GULFPORT  
 (soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	TC002	TC004	TC005	TC006	TC007	TC008
	SAMPLE ID	TC002D1P2	TC004D1P1	TC005D1P1	TC006D1P1	TC007D1P1	TC008D1P1
	DATE / TIME	04/25/97 / 15:31	04/28/97 / 14:20	04/28/97 / 11:00	05/14/97 / 14:30	05/14/97 / 15:15	05/14/97 / 15:30
	DEPTH (ft)	0.50	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TCDD		0.3 U	0.73 R	0.3 U	0.9 U	0.4 U	0.8 U
1,2,3,7,8-PeCDD		0.2 U	2.1 R	0.4 U	1.3 U	0.5 U	1.1 U
1,2,3,4,7,8-HxCDD		0.3 U	4.4 R	0.66 R	1.5 U	0.63	1.4 U
1,2,3,6,7,8-HxCDD		0.2 U	7.9 R	0.87 R	1.4 U	2.1	1.2 U
1,2,3,7,8,9-HxCDD		2.3	39.0 R	2.4 R	3.4	12.8	3.8
1,2,3,4,6,7,8-HpCDD		12.4	208 R	26.0 R	29.6	121	65.2
1,2,3,4,6,7,8,9-OCDD		152	2080 R	947 R	407	3550	674
2,3,7,8-TCDF		0.2 U	0.4 U	0.2 U	0.7 U	0.4 U	0.6 U
1,2,3,7,8-PeCDF		0.2 U	0.4 U	0.3 U	0.9 U	0.4 U	0.8 U
2,3,4,7,8-PeCDF		0.2 U	0.4 U	0.3 U	0.8 U	0.4 U	0.7 U
1,2,3,4,7,8-HxCDF		0.2 U	0.6 U	0.33 R	1.1 U	0.59	0.9 U
1,2,3,6,7,8-HxCDF		0.2 U	1.2 R	0.2 U	0.9 U	0.4 U	0.7 U
2,3,4,6,7,8-HxCDF		0.37 U	0.77 R	0.50 R	1.1 U	0.72	0.9 U
1,2,3,7,8,9-HxCDF		0.2 U	0.7 U	0.4 U	1.2 U	0.5 U	1.0 U
1,2,3,4,6,7,8-HpCDF		0.50	0.8 U	0.83 R	2.6	1.3	6.7 U
1,2,3,4,7,8,9-HpCDF		0.3 U	1.1 U	0.6 U	1.6 U	0.7 U	1.4 U
1,2,3,4,6,7,8,9-OCDF		0.3 U	1.2 U	0.91 R	3.0 U	2.4	26.6 U
Total TCDD		1.2	177	8.6	12.3	7.5	87.2
Total PeCDD		3.0	479	4.1	8.0	6.6	48.3
Total HxCDD		11.9	2450	9.7	63.4	74.1	89.9
Total HpCDD		29.8	1710	64.3	92.3	242	258
Total TCDF		0.2 U	1.5	17.2	0.7 U	0.4 U	1.4
Total PeCDF		0.2 U	0.4 U	0.73	0.9 U	0.46	1.2
Total HxCDF		0.66	2.0	1.4	1.1 U	1.9	8.2
Total HpCDF		1.4	(0.80)	1.7	2.6	1.8	20.1
Total TEQ		0.511	11.267	1.69221	1.069	6.4594	1.706

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TABLE 2  
OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

Page: 1G of 1K

Date: 10/03/97

CONSTITUENT (Units in ng/kg)	SITE	TC009	TC009	TC010	TC010	WL001	WL001
	SAMPLE ID	TC009D1P1	TC009D1P2	TC010D1P1	TC010D1P2	WL001D1P1	WL001D1P2
	DATE / TIME	05/16/97 / 09:35	05/16/97 / 09:36	05/16/97 / 09:58	05/16/97 / 09:59	05/16/97 / 14:00	05/16/97 / 14:01
	DEPTH (ft)	0.00	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		1.4 R	1.0	0.9 U	0.3 U	12.1 R	11.7
1,2,3,7,8-PeCDD		0.9 U	0.7 U	1.2 U	0.4 U	0.8 U	0.8 U
1,2,3,4,7,8-HxCDD		(0.95) R	(0.78)	1.2 U	0.5 U	1.4 R	1.4
1,2,3,6,7,8-HxCDD		2.9 R	2.3	1.1 U	0.4 U	4.3 R	3.6
1,2,3,7,8,9-HxCDD		7.7 R	7.6	1.0 R	1.2	3.6 R	4.1
1,2,3,4,6,7,8-HpCDD		101 R	101	13.1 R	11.9	119 R	110
1,2,3,4,6,7,8,9-OCDD		1530 R	1590	277 R	290	1080 R	1060
2,3,7,8-TCDF		0.87 R	0.50	0.7 U	0.3 U	5.4 R	4.7
1,2,3,7,8-PeCDF		0.7 U	0.5 U	0.9 U	0.3 U	0.6 U	0.6 U
2,3,4,7,8-PeCDF		0.7 U	0.5 U	0.9 U	0.3 U	0.6 U	0.6 U
1,2,3,4,7,8-HxCDF		2.0 R	2.0	0.9 U	0.3 U	2.1 R	2.2
1,2,3,6,7,8-HxCDF		1.0 R	1.2	0.7 U	0.3 U	1.7 R	1.6
2,3,4,6,7,8-HxCDF		1.8 R	1.5	0.9 U	0.45	2.3 R	2.5
1,2,3,7,8,9-HxCDF		0.9 U	0.7 U	1.0 U	0.4 U	0.7 U	0.7 U
1,2,3,4,6,7,8-HpCDF		13.6 R	13.5	(0.66) R	0.42	28.9 R	32.1
1,2,3,4,7,8,9-HpCDF		1.4 R	1.0 U	1.3 U	0.6 U	2.3 R	1.8
1,2,3,4,6,7,8,9-OCDF		33.5 R	36.4	(1.8) R	1.9	102 R	94.0
Total TCDD		10.6	8.7	(0.78)	0.82	14.0	13.3
Total PeCDD		5.9	10.1	1.2 U	0.81	4.1	1.8
Total HxCDD		75.8	66.8	9.7	9.7	32.7	32.2
Total HpCDD		232	233	30.0	28.5	238	218
Total TCDF		0.87	1.2	0.7 U	0.3 U	10.8	5.9
Total PeCDF		3.2	2.5	0.9 U	0.3 U	16.7	15.8
Total HxCDF		20.7	19.4	(0.67)	0.45	42.9	37.8
Total HpCDF		39.2	25.1	1.7	1.5	93.2	93.3
Total TEQ		6.8455	5.3594	0.5164	0.5801	16.864	16.303

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TABLE  
 OFF-BASE DELINEATION  
 DIOXIN RESULTS  
 NCBC GULFPORT  
 (soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	WL002	WL002	WL002	WL003	WL003	WL004
	SAMPLE ID	WL002D1P1	WL002D1P2	WL002D1P3	WL003D1P1	WL003D1P2	WL004D1P1
	DATE / TIME	05/16/97 / 14:20	05/16/97 / 14:21	06/28/97 / 13:10	05/16/97 / 14:39	05/16/97 / 14:41	05/16/97 / 15:00
	DEPTH (ft)	0.00	0.50	0.00	0.00	0.50	0.00
2,3,7,8-TCDD		69.3 R	66.8	70.3	56.6 R	54.9	137.7 R
1,2,3,7,8-PeCDD		4.2 R	3.7	3.4	2.6 R	2.2	5.8 R
1,2,3,4,7,8-HxCDD		8.6 R	9.0	9.0	3.7 R	4.0	11.6 R
1,2,3,6,7,8-HxCDD		27.1 R	25.8	20.4	10.7 R	10.7	31.5 R
1,2,3,7,8,9-HxCDD		24.4 R	24.6	21.7	10.0 R	9.9	29.4 R
1,2,3,4,6,7,8-HpCDD		746 R	772	586	275 R	284	849 R
1,2,3,4,6,7,8,9-OCDD		6650 R	7210	5250	2120 R	2240	7000 R
2,3,7,8-TCDF		26.6 R	29.9	30.5	27.3 R	26.7	50.8 R
1,2,3,7,8-PeCDF		2.9 R	2.3	2.4	1.2 R	0.80	2.8 R
2,3,4,7,8-PeCDF		1.7 R	1.9	1.6	0.88 R	1.0	2.5 R
1,2,3,4,7,8-HxCDF		10.7 R	10.4	8.4	4.5 R	4.7	12.4 R
1,2,3,6,7,8-HxCDF		11.4 R	10.6	7.9	4.2 R	4.5	14.5 R
2,3,4,6,7,8-HxCDF		11.9 R	11.2	10.6	5.3 R	5.2	14.6 R
1,2,3,7,8,9-HxCDF		1.9 U	1.1 U	0.6 U	0.8 U	(0.27)	(0.54) R
1,2,3,4,6,7,8-HpCDF		133 R	137	136	59.6 R	58.7	157 R
1,2,3,4,7,8,9-HpCDF		11.1 R	11.6	8.1	5.2 R	4.2	12.7 R
1,2,3,4,6,7,8,9-OCDF		451 R	538	389	190 R	212	524 R
Total TCDD		76.9	69.1	81.6	61.6	62.3	157.1
Total PeCDD		27.2	21.5	25.7	13.3	13.3	37.7
Total HxCDD		216	207	188	80.1	85.2	254
Total HpCDD		1500	1600	1200	533	551	1690
Total TCDF		64.3	56.0	60.7	51.8	55.9	123
Total PeCDF		82.2	74.4	81.9	47.9	48.8	127
Total HxCDF		220	208	178	93.6	93.3	232
Total HpCDF		436	447	390	185	59.3	503
Total TEQ		99.067	98.819	96.71	70.678	69.058	176.235

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TABLE 2  
OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	WL004	WL005	WL006	WL007	WL008	WL009
	SAMPLE ID	WL004D1P2	WL005D1P1	WL006D1P1	WL007D1P1	WL008D1P1	WL009D1P1
	DATE / TIME	05/16/97 / 15:01	05/17/97 / 10:45	05/17/97 / 10:45	05/17/97 / 10:55	05/17/97 / 10:55	05/17/97 / 11:10
	DEPTH (ft)	0.50	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TCDD		133	136	109	176	212	0.4 U
1,2,3,7,8-PeCDD		5.2	4.4	4.6	7.2	6.5	0.5 U
1,2,3,4,7,8-HxCDD		11.8	9.0	9.2	15.9	12.1	0.8 U
1,2,3,6,7,8-HxCDD		31.9	24.8	27.0	42.9	33.1	0.86
1,2,3,7,8,9-HxCDD		28.7	21.9	17.0	33.3	20.4	6.2
1,2,3,4,6,7,8-HpCDD		883	626	745	1170	809	45.3
1,2,3,4,6,7,8,9-OCDD		7610	5130	8610 J	10980 J	6840 J	932
2,3,7,8-TCDF		49.8	66.1	40.7	55.6	77.2	0.3 U
1,2,3,7,8-PeCDF		2.3	5.3	2.3	3.4	3.2	0.4 U
2,3,4,7,8-PeCDF		2.2	5.4	3.9	3.7	3.2	0.4 U
1,2,3,4,7,8-HxCDF		13.3	31.7	22.0	22.7	15.9	0.5 U
1,2,3,6,7,8-HxCDF		14.5	17.7	12.3	16.2	14.7	0.4 U
2,3,4,6,7,8-HxCDF		15.2	17.9	11.9	9.4	12.5	0.62 U
1,2,3,7,8,9-HxCDF		1.1	0.89	0.98	0.98	0.84	0.5 U
1,2,3,4,6,7,8-HpCDF		162	246	289	218	169	1.00
1,2,3,4,7,8,9-HpCDF		11.9	14.9	13.5	17.7	10.8	0.7 U
1,2,3,4,6,7,8,9-OCDF		623	801	1690 J	1220 J	1950 J	1.0 U
Total TCDD		150	153	125	198	236	3.6
Total PeCDD		39.9	7.8	19.6	27.8	22.3	4.7
Total HxCDD		258	167	142	243	158	30.1
Total HpCDD		1880	1030	1000	1700	937	86.6
Total TCDF		120	194	110	134	195	3.4
Total PeCDF		125	224	110	146	177	0.67
Total HxCDF		270	349	263	341	292	0.62
Total HpCDF		514	600	757	701	501	1.0
Total TEQ		172.247	174.964	148.248	227.575	254.362	2.101

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OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	WL010	WM001	WM001	WM002	WM002	WM003
	SAMPLE ID	WL010D1P1	WM001D1P1	WM001D1P2	WM002D1P1	WM002D1P2	WM003D1P1
	DATE / TIME	06/17/97 / 11:05	04/23/97 / 15:30	04/23/97 / 15:31	04/24/97 / 11:00	04/24/97 / 11:01	04/23/97 / 14:30
	DEPTH (ft)	0.00	0.00	0.50	0.00	0.50	0.00
2,3,7,8-TCDD		8.4	4.8 R	5.3	6.7 R	6.4	0.5 U
1,2,3,7,8-PeCDD		1.0 U	0.9 U	0.7 U	1.1 R	1.9	0.9 U
1,2,3,4,7,8-HxCDD		1.1	3.3 R	1.2 U	3.3 R	2.8	1.1 U
1,2,3,6,7,8-HxCDD		3.3	6.9 R	7.0	7.2 R	7.6	0.8 U
1,2,3,7,8,9-HxCDD		3.5	7.3 R	6.3	8.6 R	7.2	4.1 R
1,2,3,4,6,7,8-HpCDD		72.2	194 R	201	190 R	212	27.3 R
1,2,3,4,6,7,8,9-OCDD		581	1710 R	1740	1580 R	1840	418 R
2,3,7,8-TCDF		3.3	1.5 R	1.0 U	(1.3) R	1.9	0.3 U
1,2,3,7,8-PeCDF		0.7 U	0.5 U	0.6 U	0.44 R	0.70	0.5 U
2,3,4,7,8-PeCDF		0.7 U	0.5 U	0.6 U	0.78 R	0.85	0.5 U
1,2,3,4,7,8-HxCDF		1.7	8.0 R	7.0	5.6 R	5.3	0.7 U
1,2,3,6,7,8-HxCDF		0.6 U	1.9 R	2.1	2.4 R	2.5	0.5 U
2,3,4,6,7,8-HxCDF		1.8 U	2.0 R	3.6	0.6 U	2.2	0.7 U
1,2,3,7,8,9-HxCDF		0.8 U	0.7 U	1.0 U	0.8 U	0.7 U	0.8 U
1,2,3,4,6,7,8-HpCDF		14.1	53.6 R	44.7	49.6 R	42.3	2.4 R
1,2,3,4,7,8,9-HpCDF		1.0 U	3.5 R	3.5	2.8 R	3.6	1.1 U
1,2,3,4,6,7,8,9-OCDF		57.6	152 R	164	106 R	156	4.1 R
Total TCDD		8.4	5.5	5.3	10.1	8.0	0.89
Total PeCDD		1.6	2.5	0.7 U	7.2	6.9	17.2
Total HxCDD		20.9	63.5	44.1	75.4	63.7	108
Total HpCDD		146	447	478	426	445	116
Total TCDF		5.6	8.6	4.3	9.0	3.6	0.49
Total PeCDF		11.0	21.5	13.8	21.6	17.1	0.81
Total HxCDF		23.7	62.8	56.8	67.3	60.7	1.6
Total HpCDF		46.0	181	164	131	133	6.8
Total TEQ		11.1916	12.263	12.296	14.612	15.335	1.1291

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TABLE 2  
OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(soil/sediment)

CONSTITUENT (Units in ng/kg)	SITE	WM003	WM004	WM004	WM005	WM005
	SAMPLE ID	WM003D1P2	WM004D1P1	WM004D1P2	WM005D1P1	WM005D1P2
	DATE / TIME	04/23/97 / 14:31	04/24/97 / 14:30	04/24/97 / 14:31	04/24/97 / 15:15	04/24/97 / 15:16
	DEPTH (ft)	0.50	0.00	0.50	0.00	0.50
2,3,7,8-TCDD		0.6 U	0.56 R	0.8 U	0.49 R	2.2 U
1,2,3,7,8-PeCDD		0.6 U	0.3 U	0.8 U	0.3 U	2.1 U
1,2,3,4,7,8-HxCDD		0.8 U	0.35 R	1.0 U	0.56 R	2.5 U
1,2,3,6,7,8-HxCDD		0.7 U	0.52 R	0.9 U	1.4 R	2.3 U
1,2,3,7,8,9-HxCDD		3.3	0.68 R	0.9 U	6.1 R	4.5
1,2,3,4,6,7,8-HpCDD		29.4	12.9 R	13.0	44.8 R	49.0
1,2,3,4,6,7,8,9-OCDD		439	109 R	122	847 R	926 J
2,3,7,8-TCDF		0.6 U	0.2 U	0.8 U	0.42 R	2.0 U
1,2,3,7,8-PeCDF		0.4 U	0.2 U	0.7 U	0.2 U	1.7 U
2,3,4,7,8-PeCDF		0.4 U	0.2 U	0.7 U	0.2 U	1.7 U
1,2,3,4,7,8-HxCDF		0.7 U	0.45 R	0.9 U	0.31 R	2.0 U
1,2,3,6,7,8-HxCDF		0.6 U	0.22 R	0.7 U	0.23 R	1.6 U
2,3,4,6,7,8-HxCDF		0.7 U	<0.43 EDL	0.9 U	<0.58 EDL	2.0 U
1,2,3,7,8,9-HxCDF		0.8 U	0.3 U	1.0 U	0.3 U	2.2 U
1,2,3,4,6,7,8-HpCDF		2.4	3.5 R	3.1	2.3 R	2.3
1,2,3,4,7,8,9-HpCDF		0.9 U	0.4 U	1.0 U	0.5 U	2.3 U
1,2,3,4,6,7,8,9-OCDF		1.0	5.8 R	7.1	4.2 R	6.0 J
Total TCDD		4.3	0.2 U	0.8 U	5.1	4.9
Total PeCDD		10.6	0.3 U	0.8 U	5.1	2.1 U
Total HxCDD		88.8	7.7	3.5	52.2	8.0
Total HpCDD		128	27.6	29.1	94.6	101
Total TCDF		0.6 U	0.2 U	0.8 U	1.1	2.0 U
Total PeCDF		0.4 U	1.4	0.7 U	0.62	1.7 U
Total HxCDF		1.6 M	4.5	2.1	4.3	1.9 U
Total HpCDF		5.7 M	3.5	8.7	3.9	5.2
Total TEQ		1.091	1.0608	0.2901	2.7142	1.895

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, R = rejected, EDL = estimated detection limit

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in pg/L)	SITE	D1001	D1001	D1003	D1003	D1005	D1005
	SAMPLE ID	D1001W1P1	D1001W1P3	D1003W1P1	D1003W1D1	D1005W1P1	D1005W1P2
	DATE	04/10/97	06/26/97	04/10/97	04/10/97	04/10/97	04/10/97
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
2,3,7,8-TCDD		1.7 U	6.6	3.0 U	3.8 U	2.6 R	26.3 U
1,2,3,7,8-PeCDD		2.5 U	3.1 U	4.3 U	5.7 U	3.5 U	16.2 U
1,2,3,4,7,8-HxCDD		3.1 U	4.9 U	4.6 U	5.7 U	4.1 U	15.9 U
1,2,3,6,7,8-HxCDD		2.9 U	4.1 U	3.6 U	4.5 U	3.3 U	12.4 U
1,2,3,7,8,9-HxCDD		2.8 U	4.3 U	3.9 U	5.0 U	3.6 U	13.6 U
1,2,3,4,6,7,8-HpCDD		4.1 U	6.8	5.0 U	6.7 U	16.3 R	14.3 U
1,2,3,4,6,7,8,9-OCDD		29.2	43.6	8.7 U	12.4 U	105 R	88.5 U
2,3,7,8-TCDF		1.5 U	3.2 U	2.1 U	2.9 U	1.9 U	17.6 U
1,2,3,7,8-PeCDF		1.8 U	2.4 U	2.7 U	3.6 U	2.1 U	13.2 U
2,3,4,7,8-PeCDF		1.8 U	2.6 U	2.6 U	3.6 U	2.0 U	13.0 U
1,2,3,4,7,8-HxCDF		2.3 U	3.7 U	2.6 U	3.4 U	2.5 U	12.1 U
1,2,3,6,7,8-HxCDF		1.9 U	3.0 U	2.0 U	2.6 U	1.9 U	9.1 U
2,3,4,6,7,8-HxCDF		3.2	4.8 U	2.6 U	4.1 R	4.6 U	12.1 U
1,2,3,7,8,9-HxCDF		2.6 U	4.5 U	2.9 U	3.8 U	2.8 U	13.6 U
1,2,3,4,6,7,8-HpCDF		2.3 U	3.7 U	3.0 U	4.1 U	6.9 R	12.2 U
1,2,3,4,7,8,9-HpCDF		3.6 U	5.2 U	4.3 U	5.8 U	3.9 U	16.5 U
1,2,3,4,6,7,8,9-OCDF		4.6 U	6.4 U	6.4 U	9.1 U	25.6 R	23.4
Total TCDD		1.7 U	6.6	3.0 U	3.8 U	2.6	26.3 U
Total PeCDD		2.5 U	3.1 U	4.3 U	5.7 U	3.5 U	16.2 U
Total HxCDD		2.9 U	4.4 U	4.0 U	5.0 U	3.6 U	13.8 U
Total HpCDD		4.1 U	14.4	5.0 U	6.7 U	38.1	20.7
Total TCDF		1.5 U	3.2 U	2.1 U	2.9 U	1.9 U	17.6 U
Total PeCDF		(1.6)	2.5 U	2.7 U	3.6 U	2.0 U	13.1 U
Total HxCDF		3.2	4.8	2.5 U	4.1	8.8	11.5 U
Total HpCDF		2.8 U	4.3 U	3.5 U	4.8 U	6.9	14.0 U
Total TEQ		0.3492	6.7116	0	0.41	2.9626	0.0234

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

(l) = Less than Reporting Limit

U = non-detect, R = rejected

TABLE 3  
 ON-BASE DELINEATION  
 DIOXIN RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in pg/L)	SITE	D1008	D1010	D1013	D2003	D2003	D2006
	SAMPLE ID	D1008W1P1	D1010W1P1	D1013W1P1	D2003W1P1	D2003W1P2	D2006W1P1
	DATE	04/09/97	04/09/97	04/09/97	04/04/97	04/04/97	04/04/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
2,3,7,8-TCDD		1.8 U	1.9 U	1.7 U	6.1 R	8.7 U	4.5 R
1,2,3,7,8-PeCDD		2.8 U	2.7 U	2.4 U	20.3 R	21.1	9.8 R
1,2,3,4,7,8-HxCDD		3.3 U	3.3 U	2.9 U	16.4 R	7.5 U	10 R
1,2,3,6,7,8-HxCDD		3.0 U	3.0 U	2.7 U	11.8 R	20.8	11.1 R
1,2,3,7,8,9-HxCDD		2.9 U	2.9 U	2.6 U	20.2 R	20.5	10.8 R
1,2,3,4,6,7,8-HpCDD		6.8	5.3	4.1	90.4 R	114	7.6 R
1,2,3,4,6,7,8,9-OCDD		46.9	32.2	25.6	599 R	700	24.6 R
2,3,7,8-TCDF		1.6 U	1.7 U	1.5 U	9.1 R	7.2 U	5.9 R
1,2,3,7,8-PeCDF		2.0 U	1.9 U	1.7 U	19 R	23.8	8.7 R
2,3,4,7,8-PeCDF		1.9 U	1.9 U	1.7 U	16.6 R	22.4	12.4 R
1,2,3,4,7,8-HxCDF		2.7 U	2.4 U	2.1 U	22.6 R	29.4	14.3 R
1,2,3,6,7,8-HxCDF		2.1 U	1.9 U	1.7 U	19.4 R	18.6	13 R
2,3,4,6,7,8-HxCDF		3.7	3.2	3.5	22 R	26.7	14.7 R
1,2,3,7,8,9-HxCDF		2.9 U	2.6 U	2.3 U	25.3 R	32.9	17.4 R
1,2,3,4,6,7,8-HpCDF		2.4 U	2.2 U	1.9 U	26.1 R	27.8	11.6 R
1,2,3,4,7,8,9-HpCDF		3.8 U	3.4 U	3.0 U	19.3 R	30.7	8 R
1,2,3,4,6,7,8,9-OCDF		4.6 U	4.5 U	3.7 U	47.2 R	86.8	31.5 R
Total TCDD		1.8 U	1.9 U	1.7 U	6.1	8.7 U	4.5
Total PeCDD		2.8 U	2.7 U	2.4 U	20.3	21.1	9.8
Total HxCDD		3.1 U	3.0 U	2.7 U	20.2	41.3	21.9
Total HpCDD		6.8	15.1	8.3	164	201	7.6
Total TCDF		1.6 U	1.7 U	1.5 U	9.1	7.2 U	5.9
Total PeCDF		2.0 U	1.9 U	1.7 U	19	46.2	21.2
Total HxCDF		3.7	3.2	3.5	89.4	100	59.4
Total HpCDF		2.9 U	2.7 U	2.4 U	64.6	77.7	19.6
Total TEQ		0.4849	0.4052	0.4166	42.1842	40.3418	26.0831

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, --- = rejected

ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in pg/L)	SITE	D2006	D2006	D2006	D3003	D3003	D3005
	SAMPLE ID	D2006W1D1	D2006W1P2	D2006W1D2	D3003W1P1	D3003W1P2	D3005W1P1
	DATE	04/04/97	04/04/97	04/04/97	04/07/97	04/07/97	04/07/97
	RESULT TYPE	Duplicate 1	Primary	Duplicate 1	Primary	Primary	Primary
2,3,7,8-TCDD		5.3 U	7.8	5.6 U	1.2 U	15.6 U	2.7 U
1,2,3,7,8-PeCDD		9.2 U	18.8	5.8 U	1.7 U	12.5 U	4.2 U
1,2,3,4,7,8-HxCDD		12.6 U	13.1	5.7 U	2.1 U	13.9 U	5.7 U
1,2,3,6,7,8-HxCDD		(3.2) R	13.3	5.2 U	2.0 U	12.7 U	14.0 R
1,2,3,7,8,9-HxCDD		11.4 U	13.4	5.1 U	1.9 U	12.3 U	9.7 R
1,2,3,4,6,7,8-HpCDD		16.9 U	16.6	6.1 U	24.7 R	12.3 U	290 R
1,2,3,4,6,7,8,9-OCDD		37.9 R	41.2	29.5	191 R	187 J	2160 R
2,3,7,8-TCDF		4.0 U	8.7	4.8 U	1.0 U	14.5 U	2.3 U
1,2,3,7,8-PeCDF		6.4 U	16.7	4.6 U	1.2 U	10.1 U	2.7 U
2,3,4,7,8-PeCDF		6.2 U	13.6	4.4 U	1.2 U	9.8 U	2.7 U
1,2,3,4,7,8-HxCDF		9.0 U	13.9	4.1 U	1.6 U	11.6 U	7.1 R
1,2,3,6,7,8-HxCDF		6.8 U	14.3	3.3 U	1.3 U	9.3 U	2.8 U
2,3,4,6,7,8-HxCDF		9.2 U	15.3	8.3	3.0 R	11.5 U	4.8 R
1,2,3,7,8,9-HxCDF		9.9 U	20.5	4.5 U	1.8 U	12.8 U	3.9 U
1,2,3,4,6,7,8-HpCDF		(7.2) R	11.1	3.6 U	4.5 R	8.0 U	44.6 R
1,2,3,4,7,8,9-HpCDF		12.7 U	16.7	5.6 U	2.4 U	12.5 U	5.5 U
1,2,3,4,6,7,8,9-OCDF		30.0 U	43.7	17.0	12.0 R	10.7 U	155 R
Total TCDD		5.3 U	7.8	5.6 U	1.2 U	15.6 U	2.7 U
Total PeCDD		9.2 U	18.8	5.8 U	1.7 U	12.5 U	4.2 U
Total HxCDD		(3.2)	26.5	5.3 U	2.7	13.0 U	71.0
Total HpCDD		16.9 U	16.6	6.1 U	24.7	25.1	606
Total TCDF		4.0 U	8.7	4.8 U	1.0 U	14.5 U	2.3 U
Total PeCDF		6.3 U	30.4	4.5 U	1.2 U	9.9 U	11.1
Total HxCDF		8.5 U	64.0	8.3	5.1	11.2 U	72.3
Total HpCDF		(7.2)	16.7	4.4 U	13.1	9.8 U	127
Total TEQ		0.4299	36.6139	0.8765	0.795	0.187	9.221

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TABLE 3  
ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

Page: 1D of 1E  
Date: 10/03/97

CONSTITUENT (Units in pg/L)	SITE	D3005	D3007	D3007	D5004	D5004	D5007
	SAMPLE ID	D3005W1P2	D3007W1P3	D3007W1D3	D5004W1P2	D5004W1P1	D5007W1P2
	DATE	04/07/97	06/24/97	06/24/97	04/08/97	04/08/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
2,3,7,8-TCDD		11.6 U	1.9 U	4.3	7.6 U	1.7 U	6.1 U
1,2,3,7,8-PeCDD		10.1 U	2.1 U	3.9	5.5 U	3.3 U	5.1 U
1,2,3,4,7,8-HxCDD		11.3 U	2.9 U	7.4	8.3 U	3.8 U	7.7 U
1,2,3,6,7,8-HxCDD		10.4 U	2.7 U	10.2	7.6 U	5.5 R	7.0 U
1,2,3,7,8,9-HxCDD		10.0 U	2.6 U	12.3	7.3 U	6.0 R	6.8 U
1,2,3,4,6,7,8-HpCDD		286	39.9	163	51.6	48.8 R	89.4
1,2,3,4,6,7,8,9-OCDD		2000 J	291	992	408	398 R	563
2,3,7,8-TCDF		11.6 U	1.9 U	2.1 U	7.7 U	1.2 U	6.0 U
1,2,3,7,8-PeCDF		7.8 U	1.6 U	1.9 U	4.8 U	2.0 U	4.5 U
2,3,4,7,8-PeCDF		7.5 U	1.5 U	1.8 U	4.6 U	1.9 U	4.4 U
1,2,3,4,7,8-HxCDF		10.6	2.6 U	4.4	7.6 U	3.6 R	10.3
1,2,3,6,7,8-HxCDF		7.2 U	2.1 U	3.2	6.1 U	(1.5) R	5.3 U
2,3,4,6,7,8-HxCDF		8.9 U	4.1 U	7.3 U	7.5 U	3.7 U	6.6 U
1,2,3,7,8,9-HxCDF		9.8 U	2.8 U	3.5 U	8.3 U	2.4 U	7.3 U
1,2,3,4,6,7,8-HpCDF		46.9	9.6	30.0	6.6 U	7.5 R	14.2
1,2,3,4,7,8,9-HpCDF		10.3 U	3.4 U	5.5	10.3 U	3.4 U	9.2 U
1,2,3,4,6,7,8,9-OCDF		218 J	23.1	57.4	11.4 U	16.2 R	40.3
Total TCDD		14.2	1.9 U	4.3	7.6 U	1.7 U	6.1 U
Total PeCDD		10.1 U	2.1 U	3.6	5.5 U	3.3 U	5.1 U
Total HxCDD		53.9	6.0	22.8	7.7 U	31.1	19.9
Total HpCDD		592	59.6	316	76.7	119	168
Total TCDF		11.6 U	1.9 U	2.1 U	7.7 U	4.0	6.0 U
Total PeCDF		7.6 U	1.6 U	4.6	4.7 U	1.9 U	4.4 U
Total HxCDF		48.6	3.1	5.5	7.3 U	21.2	24.8
Total HpCDF		146	19.4	69.8	14.8	15.5	14.2
Total TEQ		6.607	0.8091	13.0344	0.924	2.6372	2.6693

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ON-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in pg/L)	SITE SAMPLE ID DATE RESULT TYPE	D5007 D5007W1P1 04/08/97 Primary	D5009 D5009W1P1 04/07/97 Primary	D5009 D5009W1P3 06/24/97 Primary	D5013 D5013W1P1 04/07/97 Primary
2,3,7,8-TCDD		2.2 U	2.7 U	(3.2)	4.5 U
1,2,3,7,8-PeCDD		3.6 U	4.5 U	4.0 U	7.3 U
1,2,3,4,7,8-HxCDD		4.7 U	4.8 U	6.8 U	7.0 U.
1,2,3,6,7,8-HxCDD		3.7 U	3.8 U	6.2 U	5.5 U
1,2,3,7,8,9-HxCDD		4.1 U	4.1 U	6.0 U	6.1 U
1,2,3,4,6,7,8-HpCDD		71.0 R	50.9 R	17.3	35.9 R
1,2,3,4,6,7,8,9-OCDD		497 R	469 R	219	279 R
2,3,7,8-TCDF		2.7 R	1.9 U	3.8 U	3.9 R
1,2,3,7,8-PeCDF		2.3 U	3.0 U	3.1 U	4.7 U
2,3,4,7,8-PeCDF		2.3 U	2.9 U	3.0 U	4.6 U
1,2,3,4,7,8-HxCDF		10.1 R	11.4 R	5.4 U	8.8 R
1,2,3,6,7,8-HxCDF		(1.7) R	2.2 U	4.3 U	3.3 U
2,3,4,6,7,8-HxCDF		5.6 U	6.7 U	5.3 U	7.4 R
1,2,3,7,8,9-HxCDF		3.2 U	3.2 U	5.9 U	4.9 U
1,2,3,4,6,7,8-HpCDF		14.9 R	14.4 R	6.0	7.9 R
1,2,3,4,7,8,9-HpCDF		4.4 U	4.4 U	6.8 U	6.7 U
1,2,3,4,6,7,8,9-OCDF		24.8 R	26.1 R	(7.3)	22.7 R
Total TCDD		2.2 U	2.7 U	(3.2)	4.5 U
Total PeCDD		6.0	4.5 U	4.0 U	7.3 U
Total HxCDD		41.7	13.5	6.3 U	8.0
Total HpCDD		146	114	27.0	69.4
Total TCDF		2.7	2.9	3.8 U	3.6
Total PeCDF		19.5	17.8	3.1 U	16.0
Total HxCDF		44.5	37.5	(3.6)	23.1
Total HpCDF		29.6	14.4	12.1	7.9
Total TEQ		2.8308	2.2881	3.6593	2.7497

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Less than Reporting Limit

U = non-detect, R = rejected

TABLE 4  
ON-BASE DELINEATION  
VOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Chloromethane		10 U					
Bromomethane		10 U					
Vinyl chloride		10 U					
Chloroethane		10 U					
Methylene Chloride		10 U					
Acetone		10 U					
Carbon disulfide		10 U					
1,1-Dichloroethene		10 U					
1,1-Dichloroethane		10 U					
1,2-Dichloroethene (total)		10 U					
Chloroform		10 U					
1,2-Dichloroethane		10 U					
2-Butanone		10 U					
1,1,1-Trichloroethane		10 U					
Carbon tetrachloride		10 U					
Bromodichloromethane		10 U					
1,2-Dichloropropane		10 U					
cis-1,3-Dichloropropene		10 U					
Trichloroethene		10 U					
Dibromochloromethane		10 U					
1,1,2-Trichloroethane		10 U					
Benzene		10 U					
trans-1,3-Dichloropropene		10 U					
Bromoform		10 U					
4-Methyl-2-pentanone		10 U					
2-Hexanone		10 U					

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated For RCL VOA

ON-BASE DELINEATION  
 VOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE SAMPLE ID DATE RESULT TYPE	D1001 D1001W1P1 04/10/97 Primary	D1003 D1003W1P1 04/10/97 Primary	D1005 D1005W1P1 04/10/97 Primary	D1008 D1008W1P1 04/09/97 Primary	D1010 D1010W1P1 04/09/97 Primary	D1013 D1013W1P1 04/09/97 Primary
Tetrachloroethene		10 U					
1,1,2,2-Tetrachloroethane		10 U					
Toluene		10 U					
Chlorobenzene		10 U					
Ethylbenzene		10 U					
Styrene		10 U					
Xylenes (total)		10 U					

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

U = non-detect, J = estimated For RCL VOA

TABLE 4  
ON-BASE DELINEATION  
VOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Chloromethane		1p U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		10 U	10 U	10 U	10 U	10 U	10 U
Acetone		10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide		10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene		10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane		10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)		10 U	10 U	10 U	10 U	10 U	10 U
Chloroform		10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane		10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane		10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene		10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane		10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Benzene		10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U
Bromoform		10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated For RCL VOA

ON-BASE DELINEATION  
VOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Tetrachloroethene		10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Toluene		10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene		10 U	10 U	10 U	10 U	10 U	10 U
Styrene		10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)		10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL VOA

TABLE 4  
ON-BASE DELINEATION  
VOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
Chloromethane		10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U
Vinyl chloride		10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U
Methylene Chloride		10 U	10 U	10 U
Acetone		10 U	10 U	10 U
Carbon disulfide		10 U	10 U	10 U
1,1-Dichloroethene		10 U	10 U	10 U
1,1-Dichloroethane		10 U	2 J	10 U
1,2-Dichloroethene (total)		10 U	10 U	10 U
Chloroform		10 U	10 U	10 U
1,2-Dichloroethane		10 U	10 U	10 U
2-Butanone		10 U	10 U	10 U
1,1,1-Trichloroethane		10 U	10 U	10 U
Carbon tetrachloride		10 U	10 U	10 U
Bromodichloromethane		10 U	10 U	10 U
1,2-Dichloropropane		10 U	10 U	10 U
cis-1,3-Dichloropropene		10 U	10 U	10 U
Trichloroethene		10 U	10 U	10 U
Dibromochloromethane		10 U	10 U	10 U
1,1,2-Trichloroethane		10 U	10 U	10 U
Benzene		10 U	10 U	10 U
trans-1,3-Dichloropropene		10 U	10 U	10 U
Bromoform		10 U	10 U	10 U
4-Methyl-2-pentanone		10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL VOA

ON-BASE DELINEATION  
 VOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
Tetrachloroethene		10 U	10 U	10 U
1,1,2,2-Tetrachloroethane		10 U	10 U	10 U
Toluene		10 U	10 U	10 U
Chlorobenzene		10 U	10 U	10 U
Ethylbenzene		10 U	10 U	10 U
Styrene		10 U	10 U	10 U
Xylenes (total)		10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL VOA

TABLE 5  
 ON-BASE DELINEATION  
 SVOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Phenol		10 U					
bis(2-chloroethyl)ether		10 U					
2-Chlorophenol		10 U					
1,3-Dichlorobenzene		10 U					
1,4-Dichlorobenzene		10 U					
1,2-Dichlorobenzene		10 U					
2-Methylphenol		10 U					
2,2'-oxybis(1-Chloropropane)		10 U					
N-Nitrosodipropylamine		10 U					
4-Methylphenol		10 U					
Hexachloroethane		10 U					
Nitrobenzene		10 U					
Isophorone		10 U					
2-Nitrophenol		10 U					
2,4-Dimethylphenol		10 U					
bis(2-chloroethoxy)methane		10 U					
2,4-Dichlorophenol		10 U					
1,2,4-Trichlorobenzene		10 U					
Naphthalene		10 U					
4-Chloroaniline		10 U					
Hexachlorobutadiene		10 U					
4-Chloro-3-Methylphenol		10 U					
2-Methylnaphthalene		10 U					
Hexachlorocyclopentadiene		10 U					
2,4,6-Trichlorophenol		10 U					
2,4,5-Trichlorophenol		25 U					

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, --- = estimated For RCL SVOA

TABLE 5

ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

Page: 2A of 3C

Date: 10/03/97

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
2-Chloronaphthalene		10 U					
2-Nitroaniline		25 U					
Dimethylphthalate		10 U					
Acenaphthylene		10 U					
2,6-Dinitrotoluene		10 U					
3-Nitroaniline		25 U					
Acenaphthene		10 U					
2,4-Dinitrophenol		25 U					
4-Nitrophenol		25 U					
Dibenzofuran		10 U					
2,4-Dinitrotoluene		10 U					
Diethylphthalate		10 U					
4-Chlorophenyl-phenylether		10 U					
Fluorene		10 U					
4-Nitroaniline		25 U					
4,6-Dinitro-2-methylphenol		25 U					
N-Nitrosodiphenylamine (1)		10 U					
4-Bromophenyl-phenylether		10 U					
Hexachlorobenzene		10 U					
Pentachlorophenol		25 U					
Phenanthrene		10 U					
Anthracene		10 U					
Carbazole		10 U					
Di-n-Butylphthalate		10 U					
Fluoranthene		10 U					
Pyrene		10 U					

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL SVOA

TABLE 5  
ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Butylbenzylphthalate		10 U					
3,3'-Dichlorobenzidine		10 U					
Benzo(a)Anthracene		10 U					
Chrysene		10 U					
bis(2-ethylhexyl)Phthalate		10 U					
Di-n-octylphthalate		10 U					
Benzo(b)fluoranthene		10 U					
Benzo(k)fluoranthene		10 U					
Benzo(a)pyrene		10 U					
Indeno(1,2,3-cd)pyrene		10 U					
Dibenzo(a,h)anthracene		10 U					
Benzo(g,h,i)perylene		10 U					

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, Estimated For RCL SVOA

ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Phenol		10 U	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether		10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)		10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine		10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene		10 U	10 U	10 U	10 U	10 U	10 U
Isophorone		10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10 U	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline		10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene		10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		25 U	25 U	25 U	25 U	25 U	25 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL SVOA

TABLE 5  
 ON-BASE DELINEATION  
 SVOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT	(Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
		SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
		DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
		RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
2-Chloronaphthalene			10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline			25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate			10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene			10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene			10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline			25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene			10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol			25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol			25 U	25 U	25 U	25 U	25 U	25 U
Dibenzofuran			10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene			10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate			10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether			10 U	10 U	10 U	10 U	10 U	10 U
Fluorene			10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline			25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol			25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine (1)			10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether			10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol			25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene			10 U	10 U	10 U	10 U	10 U	10 U
Anthracene			10 U	10 U	10 U	10 U	10 U	10 U
Carbazole			10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate			10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene			10 U	10 U	10 U	10 U	10 U	10 U
Pyrene			10 U	10 U	10 U	10 U	10 U	10 U

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U = non-detect, L = estimated For RCL SVOA

ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Butylbenzylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene		10 U	10 U	10 U	10 U	10 U	10 U
Chrysene		10 U	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)Phthalate		10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL SVOA

TABLE 5  
ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
Phenol		10 U	10 U	10 U
bis(2-chloroethyl)ether		10 U	10 U	10 U
2-Chlorophenol		10 U	10 U	10 U
1,3-Dichlorobenzene		10 U	10 U	10 U
1,4-Dichlorobenzene		10 U	10 U	10 U
1,2-Dichlorobenzene		10 U	10 U	10 U
2-Methylphenol		10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)		10 U	10 U	10 U
N-Nitrosodipropylamine		10 U	10 U	10 U
4-Methylphenol		10 U	10 U	10 U
Hexachloroethane		10 U	10 U	10 U
Nitrobenzene		10 U	10 U	10 U
Isophorone		10 U	10 U	10 U
2-Nitrophenol		10 U	10 U	10 U
2,4-Dimethylphenol		10 U	10 U	10 U
bis(2-chloroethoxy)methane		10 U	10 U	10 U
2,4-Dichlorophenol		10 U	10 U	10 U
1,2,4-Trichlorobenzene		10 U	10 U	10 U
Naphthalene		10 U	10 U	10 U
4-Chloroaniline		10 U	10 U	10 U
Hexachlorobutadiene		10 U	10 U	10 U
4-Chloro-3-Methylphenol		10 U	10 U	10 U
2-Methylnaphthalene		10 U	10 U	10 U
Hexachlorocyclopentadiene		10 U	10 U	10 U
2,4,6-Trichlorophenol		10 U	10 U	10 U
2,4,5-Trichlorophenol		25 U	25 U	25 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, --- = estimated For RCL SVOA

ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

Date: 10/03/97

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
2-Chloronaphthalene		10 U	10 U	10 U
2-Nitroaniline		25 U	25 U	25 U
Dimethylphthalate		10 U	10 U	10 U
Acenaphthylene		10 U	10 U	10 U
2,6-Dinitrotoluene		10 U	10 U	10 U
3-Nitroaniline		25 U	25 U	25 U
Acenaphthene		10 U	10 U	10 U
2,4-Dinitrophenol		25 U	25 U	25 U
4-Nitrophenol		25 U	25 U	25 U
Dibenzofuran		10 U	10 U	10 U
2,4-Dinitrotoluene		10 U	10 U	10 U
Diethylphthalate		10 U	10 U	10 U
4-Chlorophenyl-phenylether		10 U	10 U	10 U
Fluorene		10 U	10 U	10 U
4-Nitroaniline		25 U	25 U	25 U
4,6-Dinitro-2-methylphenol		25 U	25 U	25 U
N-Nitrosodiphenylamine (1)		10 U	10 U	10 U
4-Bromophenyl-phenylether		10 U	10 U	10 U
Hexachlorobenzene		10 U	10 U	10 U
Pentachlorophenol		25 U	25 U	25 U
Phenanthrene		10 U	10 U	10 U
Anthracene		10 U	10 U	10 U
Carbazole		10 U	10 U	10 U
Di-n-Butylphthalate		10 U	10 U	10 U
Fluoranthene		10 U	10 U	10 U
Pyrene		10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated For RCL SVOA

TABLE 5  
ON-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
Butylbenzylphthalate		10 U	10 U	10 U
3,3'-Dichlorobenzidine		10 U	10 U	10 U
Benzo(a)Anthracene		10 U	10 U	10 U
Chrysene		10 U	10 U	10 U
bis(2-ethylhexyl)Phthalate		10 U	10 U	10 U
Di-n-octylphthalate		10 U	10 U	10 U
Benzo(b)fluoranthene		10 U	10 U	10 U
Benzo(k)fluoranthene		10 U	10 U	10 U
Benzo(a)pyrene		10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U	10 U
Benzo(g,h,i)perylene		10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated For RCL SVOA

ON-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
alpha-BHC		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
beta-BHC		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
delta-BHC		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
gamma-BHC(Lindane)		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Aldrin		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor epoxide		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan I		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Dieldrin		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan II		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDD		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan sulfate		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Methoxychlor		0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Endrin ketone		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin aldehyde		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
alpha-Chlordane		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
gamma-Chlordane		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Toxaphene		5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ
Aroclor-1016		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ
Aroclor-1221		2 UJ	2 U	2 U	2 UJ	2 UJ	2 UJ
Aroclor-1232		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ
Aroclor-1242		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ
Aroclor-1248		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---= Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE 6  
ON-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
	SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
	DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Aroclor-1254		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ
Aroclor-1260		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

ON-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
alpha-BHC		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
beta-BHC		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
delta-BHC		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
gamma-BHC(Lindane)		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Heptachlor		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Aldrin		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Heptachlor epoxide		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Endosulfan I		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Dieldrin		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
4,4'-DDE		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endrin		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endosulfan II		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
4,4'-DDD		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endosulfan sulfate		0.1 UJ	0.0051 NJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ
4,4'-DDT		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Methoxychlor		0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Endrin ketone		0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endrin aldehyde		0.1 UJ	0.1 U	0.027 J	0.1 U	0.1 U	0.1 UJ
alpha-Chlordane		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
gamma-Chlordane		0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Toxaphene		5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Aroclor-1016		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
Aroclor-1221		2 UJ	2 U	2 UJ	2 U	2 U	2 UJ
Aroclor-1232		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
Aroclor-1242		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
Aroclor-1248		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE 6  
ON-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Aroclor-1254		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
Aroclor-1260		1 UJ	1 U	1 UJ	1 U	1 U	1 UJ

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE  
 ON-BASE DELINEATION  
 PESTICIDE/PCB RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
alpha-BHC		0.05 UJ	0.05 U	0.05 UJ
beta-BHC		0.05 UJ	0.05 U	0.05 UJ
delta-BHC		0.05 UJ	0.05 U	0.05 UJ
gamma-BHC(Lindane)		0.05 UJ	0.05 U	0.05 UJ
Heptachlor		0.05 UJ	0.05 U	0.05 UJ
Aldrin		0.05 UJ	0.05 U	0.05 UJ
Heptachlor epoxide		0.05 UJ	0.05 U	0.05 UJ
Endosulfan I		0.05 UJ	0.05 U	0.05 UJ
Dieldrin		0.1 UJ	0.1 U	0.1 UJ
4,4'-DDE		0.1 UJ	0.1 U	0.1 UJ
Endrin		0.1 UJ	0.1 U	0.1 UJ
Endosulfan II		0.1 UJ	0.1 U	0.1 UJ
4,4'-DDD		0.1 UJ	0.1 U	0.1 UJ
Endosulfan sulfate		0.1 UJ	0.1 U	0.1 UJ
4,4'-DDT		0.1 UJ	0.1 U	0.1 UJ
Methoxychlor		0.5 UJ	0.5 U	0.5 UJ
Endrin ketone		0.1 UJ	0.1 U	0.1 UJ
Endrin aldehyde		0.1 UJ	0.1 U	0.1 UJ
alpha-Chlordane		0.05 UJ	0.05 U	0.05 UJ
gamma-Chlordane		0.05 UJ	0.05 U	0.05 UJ
Toxaphene		5 UJ	5 U	5 UJ
Aroclor-1016		1 UJ	1 U	1 UJ
Aroclor-1221		2 UJ	2 U	2 UJ
Aroclor-1232		1 UJ	1 U	1 UJ
Aroclor-1242		1 UJ	1 U	1 UJ
Aroclor-1248		1 UJ	1 U	1 UJ

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE 6  
 ON-BASE DELINEATION  
 PESTICIDE/PCB RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
Aroclor-1254		1 UJ	1 U	1 UJ
Aroclor-1260		1 UJ	1 U	1 UJ
<p>Values represent total concentrations unless noted &lt; =Not detected at indicated reporting limit --- =Not analyzed</p> <p>U = non-detect, J = estimated, For RCL PCB</p>				

ON-BASE DELINEATION  
HERBICIDE RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT	(Units in ug/L)	SITE	D1001	D1003	D1005	D1008	D1010	D1013
		SAMPLE ID	D1001W1P1	D1003W1P1	D1005W1P1	D1008W1P1	D1010W1P1	D1013W1P1
		DATE	04/10/97	04/10/97	04/10/97	04/09/97	04/09/97	04/09/97
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
2,4-D			4 U	4 U	4 U	4 U	4 U	4 U
2,4,5-TP (Silvex)			1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-T			1 U	1 U	1 U	1 U	1 U	1 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

U = non-detect, J = estimated, For RCL HERB

TABLE 7  
 ON-BASE DELINEATION  
 HERBICIDE RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	D2003	D2006	D2006	D3003	D3005	D5004
	SAMPLE ID	D2003W1P1	D2006W1P1	D2006W1D1	D3003W1P1	D3005W1P1	D5004W1P1
	DATE	04/05/97	04/05/97	04/05/97	04/07/97	04/07/97	04/08/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
2,4-D		4 U	4 U	4 U	4 U	4 U	4 U
2,4,5-TP (Silvex)		1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-T		1 U	1 U	1 U	1 U	1 U	1 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated, For RCL HERB

TA  
**ON-BASE DELINEATION  
 HERBICIDE RESULTS  
 NCBC GULFPORT  
 (water)**

CONSTITUENT (Units in ug/L)	SITE	D5007	D5009	D5013
	SAMPLE ID	D5007W1P1	D5009W1P1	D5013W1P1
	DATE	04/08/97	04/07/97	04/07/97
	RESULT TYPE	Primary	Primary	Primary
2,4-D		4 U	4 U	4 U
2,4,5-TP (Silvex)		1 U	1 U	1 U
2,4,5-T		1 U	1 U	1 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

U = non-detect, J = estimated, For RCL HERB

TABLE 8  
OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in pg/L)	SITE	BB003	BB003	BC003	C1001	C1001	TC002
	SAMPLE ID	BB003W1P1	BB003W1P2	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1
	DATE	05/16/97	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97
	RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary
2,3,7,8-TCDD		6.1 U	4.8 U	1.5 U	(4.1) R	3.9 U	9.1 U
1,2,3,7,8-PeCDD		7.8 U	5.6 U	1.7 U	22.1 R	(4.6) R	14.1 U
1,2,3,4,7,8-HxCDD		7.7 U	6.1 U	2.1 U	16.6 B	4.8 R	14.7 U
1,2,3,6,7,8-HxCDD		7.1 U	4.3 U	1.5 U	22.1 R	6.4 R	11.5 U
1,2,3,7,8,9-HxCDD		6.8 U	4.7 U	1.7 U	29.6 R	8.9 R	13.2 U
1,2,3,4,6,7,8-HpCDD		21.7 R	23.5	7.7	297 R	74.2 R	14.9 U
1,2,3,4,6,7,8,9-OCDD		262 R	266	74.6 U	2100 R	506 R	160 R
2,3,7,8-TCDF		4.9 U	3.7 U	1.2 U	6.7 R	2.6 U	6.7 U
1,2,3,7,8-PeCDF		5.8 U	4.5 U	1.3 U	11.8 R	3.7 U	8.2 U
2,3,4,7,8-PeCDF		6.7 U	4.3 U	1.2 U	8.6 R	3.7 U	8.2 U
1,2,3,4,7,8-HxCDF		5.6 U	3.9 U	1.5 U	18.0 R	5.6 R	9.2 U
1,2,3,6,7,8-HxCDF		4.5 U	2.8 U	1.0 U	12.9 R	3.3 R	6.8 U
2,3,4,6,7,8-HxCDF		5.6 U	5.5	3.0 U	19.2 R	3.3 U	9.9 U
1,2,3,7,8,9-HxCDF		6.2 U	4.0 U	1.5 U	7.3 R	4.4 R	11.2 U
1,2,3,4,6,7,8-HpCDF		6.1 R	10.5	3.0	78.5 R	19.9 R	10.4 U
1,2,3,4,7,8,9-HpCDF		7.4 U	4.4 U	1.8 U	(9.1) R	(3.0)	14.4 U
1,2,3,4,6,7,8,9-OCDF		25.0 B	22.8	5.5	130 R	34.2 R	14.1 U
Total TCDD		6.1 U	4.8 U	1.5 U	(4.1)	3.9 U	9.1 U
Total PeCDD		7.8 U	5.6 U	1.7 U	22.1	(4.6)	14.1 U
Total HxCDD		7.2 U	4.9 U	1.7 U	101	31.3	13.0 U
Total HpCDD		50.8	51.5	16.2	574	132	14.9 U
Total TCDF		4.9 U	3.7 U	1.2 U	10.1	2.6 U	6.7 U
Total PeCDF		5.8 U	4.4 U	1.3 U	29.8	3.7 U	8.2 U
Total HxCDF		5.4 U	5.5	3.0	124	24.9	9.0 U
Total HpCDF		16.7	26.1	5.8	199	49.1	12.1 U
Total TEQ		0.565	1.1788	0.1125	39.356	7.1512	0.16

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Reporting Limit

U = non-detect, l = estimated, R = rejected For RCL DIOX

OFF-BASE DELINEATION  
DIOXIN RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in pg/L)	SITE	TC002	TC006	TC006	WM002	WM002
	SAMPLE ID	TC002W1P2	TC006W1P1	TC006W1D1	WM002W1P1	WM002W1P2
	DATE	04/25/97	05/14/97	05/14/97	04/24/97	04/24/97
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary
2,3,7,8-TCDD		5.3 U	5.8 U	2.2 U	4.7 U	4.8 U
1,2,3,7,8-PeCDD		4.5 U	7.2 U	2.4 U	8.2 U	5.1 U
1,2,3,4,7,8-HxCDD		6.8 U	7.2 U	2.6 U	8.7 U	6.8 U
1,2,3,6,7,8-HxCDD		5.6 U	5.2 U	1.9 U	6.8 U	6.2 U
1,2,3,7,8,9-HxCDD		5.7 U	5.6 U	2.0 U	7.8 U	6.0 U
1,2,3,4,6,7,8-HpCDD		11.5	6.8 U	8.2	8.5 U	6.2 U
1,2,3,4,6,7,8,9-OCDD		174	85.6	80.2	12.4 U	29.3 U
2,3,7,8-TCDF		5.1 U	4.3 U	1.7 U	3.6 U	4.8 U
1,2,3,7,8-PeCDF		3.5 U	5.0 U	1.8 U	4.7 U	4.5 U
2,3,4,7,8-PeCDF		3.7 U	4.8 U	1.8 U	4.8 U	4.3 U
1,2,3,4,7,8-HxCDF		5.1 U	5.2 U	1.8 U	5.6 U	5.4 U
1,2,3,6,7,8-HxCDF		4.2 U	3.7 U	1.3 U	4.2 U	4.3 U
2,3,4,6,7,8-HxCDF		5.4 U	5.0 U	3.7	6.0 U	5.4 U
1,2,3,7,8,9-HxCDF		6.2 U	6.3 U	1.9 U	6.8 U	5.9 U
1,2,3,4,6,7,8-HpCDF		5.5 U	4.8 U	1.7 U	5.9 U	3.9 U
1,2,3,4,7,8,9-HpCDF		7.6 U	6.0 U	2.2 U	8.2 U	6.0 U
1,2,3,4,6,7,8,9-OCDF		9.5 U	6.5 U	2.3 U	9.5 U	7.0 U
Total TCDD		5.3 U	5.8 U	2.2 U	4.7 U	4.8 U
Total PeCDD		4.5 U	7.2 U	2.4 U	8.2 U	5.1 U
Total HxCDD		5.9 U	5.9 U	2.1 U	7.7 U	6.3 U
Total HpCDD		11.5	6.8 U	16.1	8.5 U	6.2 U
Total TCDF		5.1 U	4.3 U	1.7 U	3.6 U	4.8 U
Total PeCDF		3.6 U	4.9 U	1.8 U	4.8 U	4.4 U
Total HxCDF		5.1 U	4.7 U	3.7	5.5 U	5.2 U
Total HpCDF		6.3 U	5.4 U	1.9 U	6.8 U	4.7 U
Total TEQ		0.289	0.0856	0.5322	0	0

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, R = rejected For RCL DIOX

TABLE 9  
OFF-BASE DELINEATION  
VOC RESULTS  
NCBC GULFPORT  
(water)

Page: 1A of 2B

Date: 10/03/97

CONSTITUENT	(Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
		SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
		DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Chloromethane			10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane			10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride			10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane			10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride			10 U	10 U	10 U	10 U	10 U	10 U
Acetone			10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide			10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene			10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane			10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)			10 U	10 U	10 U	10 U	10 U	10 U
Chloroform			10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane			10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone			10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane			10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride			10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane			10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane			10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene			10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene			10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane			10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane			10 U	10 U	10 U	10 U	10 U	10 U
Benzene			10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene			10 U	10 U	10 U	10 U	10 U	10 U
Bromoform			10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone			10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone			10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated, For RCL VOA

OFF-BASE DELINEATION  
 VOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT	(Units in ug/L)	SITE	BB003	BC003	C1001	C1001	C1001	TC002	TC006
		SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	C1001W1D1	TC002W1P1	TC006W1P1
		DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/23/97	04/25/97	05/14/97
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Tetrachloroethene			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)			10 U	10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL VOA

TABLE 9  
 OFF-BASE DELINEATION  
 VOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
Chloromethane		10 U	10 U
Bromomethane		10 U	10 U
Vinyl chloride		10 U	10 U
Chloroethane		10 U	10 U
Methylene Chloride		10 U	10 U
Acetone		10 U	10 U
Carbon disulfide		10 U	10 U
1,1-Dichloroethene		10 U	10 U
1,1-Dichloroethane		10 U	10 U
1,2-Dichloroethene (total)		10 U	10 U
Chloroform		10 U	10 U
1,2-Dichloroethane		10 U	10 U
2-Butanone		10 U	10 U
1,1,1-Trichloroethane		10 U	10 U
Carbon tetrachloride		10 U	10 U
Bromodichloromethane		10 U	10 U
1,2-Dichloropropane		10 U	10 U
cis-1,3-Dichloropropene		10 U	10 U
Trichloroethene		10 U	10 U
Dibromochloromethane		10 U	10 U
1,1,2-Trichloroethane		10 U	10 U
Benzene		10 U	10 U
trans-1,3-Dichloropropene		10 U	10 U
Bromoform		10 U	10 U
4-Methyl-2-pentanone		10 U	10 U
2-Hexanone		10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated, For RCL VOA

OFF-BASE DELINEATION  
 VOC RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
Tetrachloroethene		10 U	10 U
1,1,2,2-Tetrachloroethane		10 U	10 U
Toluene		10 U	10 U
Chlorobenzene		10 U	10 U
Ethylbenzene		10 U	10 U
Styrene		10 U	10 U
Xylenes (total)		10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL VOA

TABLE 10  
OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

Page: 1A of 3B

Date: 10/03/97

CONSTITUENT	(Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
		SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
		DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Phenol			10 U	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether			10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol			10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol			10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)			10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine			10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol			10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane			10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene			10 U	10 U	10 U	10 U	10 U	10 U
Isophorone			10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol			10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol			10 U	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane			10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol			10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene			10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene			10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline			10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene			10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol			10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene			10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene			10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol			10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol			25 U	25 U	25 U	25 U	25 U	25 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL SVOA

OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
	SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
	DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
2-Chloronaphthalene		10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol		25 UJ	25 UJ	25 U	25 U	25 U	25 UJ
Dibenzofuran		10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol		25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine (1)		10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether		10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol		25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene		10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		10 U	10 U	10 U	10 U	10 U	10 U
Carbazole		10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL SVOA

TABLE 10  
OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
	SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
	DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Butylbenzylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene		10 U	10 U	10 U	10 U	10 U	10 U
Chrysene		10 U	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)Phthalate		10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		10 U	10 U	10 U	10 U	10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, L = estimated, For RCL SVOA

OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
Phenol		10 U	10 U
bis(2-chloroethyl)ether		10 U	10 U
2-Chlorophenol		10 U	10 U
1,3-Dichlorobenzene		10 U	10 U
1,4-Dichlorobenzene		10 U	10 U
1,2-Dichlorobenzene		10 U	10 U
2-Methylphenol		10 U	10 U
2,2'-oxybis(1-Chloropropane)		10 U	10 U
N-Nitrosodipropylamine		10 U	10 U
4-Methylphenol		10 U	10 U
Hexachloroethane		10 U	10 U
Nitrobenzene		10 U	10 U
Isophorone		10 U	10 U
2-Nitrophenol		10 U	10 U
2,4-Dimethylphenol		10 U	10 U
bis(2-chloroethoxy)methane		10 U	10 U
2,4-Dichlorophenol		10 U	10 U
1,2,4-Trichlorobenzene		10 U	10 U
Naphthalene		10 U	10 U
4-Chloroaniline		10 U	10 U
Hexachlorobutadiene		10 U	10 U
4-Chloro-3-Methylphenol		10 U	10 U
2-Methylnaphthalene		10 U	10 U
Hexachlorocyclopentadiene		10 U	10 U
2,4,6-Trichlorophenol		10 U	10 U
2,4,5-Trichlorophenol		25 U	25 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL SVOA

TABLE 10  
OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

Page: 2B of 3B  
Date: 10/03/97

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
2-Chloronaphthalene		10 U	10 U
2-Nitroaniline		25 U	25 U
Dimethylphthalate		10 U	10 U
Acenaphthylene		10 U	10 U
2,6-Dinitrotoluene		10 U	10 U
3-Nitroaniline		25 U	25 U
Acenaphthene		10 U	10 U
2,4-Dinitrophenol		25 U	25 U
4-Nitrophenol		25 UJ	25 U
Dibenzofuran		10 U	10 U
2,4-Dinitrotoluene		10 U	10 U
Diethylphthalate		10 U	10 U
4-Chlorophenyl-phenylether		10 U	10 U
Fluorene		10 U	10 U
4-Nitroaniline		25 U	25 U
4,6-Dinitro-2-methylphenol		25 U	25 U
N-Nitrosodiphenylamine (1)		10 U	10 U
4-Bromophenyl-phenylether		10 U	10 U
Hexachlorobenzene		10 U	10 U
Pentachlorophenol		25 U	25 U
Phenanthrene		10 U	10 U
Anthracene		10 U	10 U
Carbazole		10 U	10 U
Di-n-Butylphthalate		10 U	10 U
Fluoranthene		10 U	10 U
Pyrene		10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL SVOA

OFF-BASE DELINEATION  
SVOC RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
Butylbenzylphthalate		10 U	10 U
3,3'-Dichlorobenzidine		10 U	10 U
Benzo(a)Anthracene		10 U	10 U
Chrysene		10 U	10 U
bis(2-ethylhexyl)Phthalate		10 U	10 U
Di-n-octylphthalate		10 U	10 U
Benzo(b)fluoranthene		10 U	10 U
Benzo(k)fluoranthene		10 U	10 U
Benzo(a)pyrene		10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U
Benzo(g,h,i)perylene		10 U	10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL SVOA

TABLE 11  
OFF-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

Page: 1A of 2B

Date: 10/03/97

CONSTITUENT	(Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
		SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
		DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
alpha-BHC			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
beta-BHC			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
delta-BHC			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
gamma-BHC(Lindane)			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Heptachlor			0.05 U	0.05 UJ	0.05 UJ	0.026 J	0.05 UJ	0.05 U
Aldrin			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Heptachlor epoxide			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Endosulfan I			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Dieldrin			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDE			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
Endrin			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
Endosulfan II			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDD			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
Endosulfan sulfate			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDT			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
Methoxychlor			0.5 U	0.5 UJ	0.5 UJ	0.031 NJ	0.5 UJ	0.5 U
Endrin ketone			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
Endrin aldehyde			0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U
alpha-Chlordane			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
gamma-Chlordane			0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Toxaphene			5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U
Aroclor-1016			1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Aroclor-1221			2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 U
Aroclor-1232			1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Aroclor-1242			1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Aroclor-1248			1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

OFF-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
	SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
	DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Aroclor-1254		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Aroclor-1260		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE 11  
 OFF-BASE DELINEATION  
 PESTICIDE/PCB RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT	(Units in ug/L)	SITE	TC006	WM002
		SAMPLE ID	TC006W1D1	WM002W1P1
		DATE	05/14/97	04/24/97
		RESULT TYPE	Duplicate 1	Primary
alpha-BHC			0.05 U	0.05 UJ
beta-BHC			0.05 U	0.05 UJ
delta-BHC			0.05 U	0.05 UJ
gamma-BHC(Lindane)			0.05 U	0.05 UJ
Heptachlor			0.05 U	0.05 UJ
Aldrin			0.05 U	0.05 UJ
Heptachlor epoxide			0.05 U	0.05 UJ
Endosulfan I			0.05 U	0.05 UJ
Dieldrin			0.1 U	0.1 UJ
4,4'-DDE			0.1 U	0.1 UJ
Endrin			0.1 U	0.1 UJ
Endosulfan II			0.1 U	0.1 UJ
4,4'-DDD			0.1 U	0.1 UJ
Endosulfan sulfate			0.1 U	0.1 UJ
4,4'-DDT			0.1 U	0.1 UJ
Methoxychlor			0.5 U	0.5 UJ
Endrin ketone			0.1 U	0.1 UJ
Endrin aldehyde			0.1 U	0.1 UJ
alpha-Chlordane			0.05 U	0.05 UJ
gamma-Chlordane			0.05 U	0.05 UJ
Toxaphene			5 U	5 UJ
Aroclor-1016			1 U	1 UJ
Aroclor-1221			2 U	2 UJ
Aroclor-1232			1 U	1 UJ
Aroclor-1242			1 U	1 UJ
Aroclor-1248			1 U	1 UJ

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

OFF-BASE DELINEATION  
PESTICIDE/PCB RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
Aroclor-1254		1 U	1 UJ
Aroclor-1260		1 U	1 UJ

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL PCB

TABLE 12  
 OFF-BASE DELINEATION  
 HERBICIDE RESULTS  
 NCBC GULFPORT  
 (water)

CONSTITUENT (Units in ug/L)	SITE	BB003	BC003	C1001	C1001	TC002	TC006
	SAMPLE ID	BB003W1P1	BC003W1P1	C1001W1P1	C1001W1D1	TC002W1P1	TC006W1P1
	DATE	05/16/97	05/19/97	04/23/97	04/23/97	04/25/97	05/14/97
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
2,4-D		4 U	4 U	4 UJ	4 UJ	4 UJ	4 U
2,4,5-TP (Silvex)		1 U	1 U	1 UJ	1 U	1 U	1 U
2,4,5-T		1 U	1 U	1 UJ	1 U	1 U	1 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL HERB

OFF-BASE DELINEATION  
HERBICIDE RESULTS  
NCBC GULFPORT  
(water)

CONSTITUENT (Units in ug/L)	SITE	TC006	WM002
	SAMPLE ID	TC006W1D1	WM002W1P1
	DATE	05/14/97	04/24/97
	RESULT TYPE	Duplicate 1	Primary
2,4-D		4 U	4 UJ
2,4,5-TP (Silvex)		1 U	1 U
2,4,5-T		1 U	1 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

U = non-detect, J = estimated, For RCL HERB

**ATTACHMENT C**  
**GLOSSARY**

## GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
GPS	global positioning system
HO	herbicide orange
HpCDD	heptachlorodibenzo-p-dioxin
IR	installation restoration
MCL	maximum contaminant limit
MSDEQ	Mississippi Department of Environmental Quality
NCBC	Naval Construction Battalion Center
OCDD	octachlorodibenzodioxin
PCB	polychlorinated biphenyl
PeCDD	pentachloro-diphenodioxin
ppb	parts per billion
ppm	parts per million
ppq	parts per quadrillion
ppt	parts per trillion
SRT	sediment recovery trap
2,4,5-T	2,4,5-trichlorophenoxyacetic acid
TCDD	tetrachlorodibenzo-p-dioxin
TEQ	toxicity equivalent
TOC	total organic carbon

**ATTACHMENT D**  
**REFERENCES**

## REFERENCES

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