Phase II Remedial Investigation Report

Former Gulf States Creosoting Site Hattiesburg, Mississippi

December 30,1998

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Project No. 21-04

MICHAEL PISANI & ASSOCIATES, INC.

Environmental Management and Engineering Services
1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
(504) 582-2468

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Phase II Remedial Investigation Report

Former Gulf States Creosoting Site Investigation Hattiesburg, Mississippi

Executive Summary

Overview

This report presents the findings of a Phase II Remedial Investigation (RI) of the former Gulf States Creosoting site in Hattiesburg, Mississippi (the site). Phase II RI field activities were conducted between April 19 and October 14, 1998. The investigation was performed in accordance with work plans approved by the Mississippi Department of Environmental Quality (MDEQ). Results of the Phase II RI compliment and expand results of the Phase I RI completed by Kerr-McGee Chemical Corporation in 1997

Project Background

Kerr-McGee Chemical Corporation (KMCC) entered into an agreement with the MDEQ and the Mississippi Commission on Environmental Quality (Commission) in 1996 pursuant to the Uncontrolled Site Voluntary Evaluation Program for the investigation of the site. The agreement calls for the investigation of the site under the direction and review of the MDEQ Office of Pollution Control, Uncontrolled Sites Section. MDEQ guidance for the program states that investigations will include all activities necessary to characterize the environmental setting and to define the degree and extent of affected site media. The MDEQ guidance refers to this investigative process as a Remedial Investigation (RI).

A chronology of the RI activities completed to date is provided in Table ES-1. KMCC commenced the RI process with the development of a site investigation (i.e., RI) work plan in the Fall of 1996. Initial RI field activities began in February 1997. A Phase I Remedial Investigation Report was submitted to MDEQ on June 30, 1997.

In commenting on the Phase I Remedial Investigation Report, MDEQ directed KMCC to submit a work plan sufficient to establish the vertical and horizontal extent of affected media at the site. KMCC submitted a Revised Addendum to Site Investigation Work Plan on April 8, 1998; the work plan addendum was approved by MDEQ on April 23, 1998. The tasks described in the Revised Addendum to Site Investigation Work Plan constitute a Phase II Remedial Investigation Work Plan. This report documents Phase II RI field activities and presents the results of field and laboratory testing conducted during the Phase II Remedial Investigation.

Table ES-1 Chronology of Remedial Investigation Activities

Former Gulf States Creosoting Site Hattiesburg, Mississippi

<u>Date</u>	Activity
January 8, 1997	KMCC submitted the Site Investigation Work Plan to MDEQ
February 21, 1997	MDEQ approved the Site Investigation Work Plan for implementation
April 30, 1997	KMCC completed Phase I RI field activities
June 30, 1997	KMCC submitted the Remedial Investigation Report
January 13, 1998	MDEQ commented on the Remedial Investigation Report
February 25, 1998	KMCC submitted an Addendum to Site Investigation Work Plan
March 16, 1998	KMCC met with MDEQ to discuss proposed Phase II RI activities
April 8, 1998	KMCC submitted a Revised Addendum to Site Investigation Work Plan
April 23, 1998	MDEQ approved the Revised Addendum to Site Investigation Work Plan for implementation
June 11, 1998	KMCC completed the ground water screening portion of Phase II RI field activities
August 14, 1998	KMCC submitted an Interim Report - Phase II Remedial Investigation
August 26, 1998	MDEQ approved the monitoring well locations proposed in the Interim Report - Phase II Remedial Investigation
October 14, 1998	KMCC completed Phase II RI field activities

Phase II Remedial Investigation Field Activities

Phase II Remedial Investigation field activities were conducted between April 19 and October 14, 1998. These activities included the following:

- Collected 60 subsurface soil samples for laboratory chemical analysis to further delineate the vertical and horizontal extent of affected soil.
- Advanced eight cone penetrometer testing (CPT) pushes to depths up to 60 feet to further define site stratigraphy
- Advanced eight hollow-stem auger soil borings for the installation of monitoring wells and to correlate CPT findings
- Collected ground water samples at 13 temporary ground water sampling points to delineate the extent of affected ground water and to determine appropriate locations for additional ground water monitoring wells
- Installed eight new ground water monitoring wells and sampled a total of 12 wells to determine ground water quality, flow direction, and gradient
- Collected nine surface water and 11 sediment samples to determine the presence and extent of affected media within two offsite drainage patterns
- Performed surveying to establish elevation and lateral controls

Phase II Remedial Investigation Findings

Soil investigations were conducted to further delineate the vertical and lateral extent of affected soil. Soil analytical results indicate that:

- Affected soil within the former Process Area extends to a distance at least 40 feet to the east of the Courtesy Ford fence line. This area has likely been impacted by drainage from former Process Area operations and the periodic "mucking out" of the ditch between the railroad tracks and the Process Area.
- Target constituents within former treated wood storage areas are generally confined to soils within the first 2 feet below land surface. The ground surface within the majority of former treated wood storage areas is currently paved with asphalt.
- Outside of the Gordon's Creek Fill Area, target constituents in soils on the RSCO
 property are generally confined to soils within the first 2 feet below land surface.
 This area was regraded during site development in the early 1960s.

Additional CPT pushes and soil borings were advanced to characterize site stratigraphy in offsite areas east of the former Process Area and across Gordon's Creek from the Fill Area. The results of stratigraphic characterization activities indicate that:

- The three distinct units beneath the Process Area (i.e., upper clay, sand channel, and underlying clay aquitard) extend to the east of the site and dip gradually eastward toward the Leaf River. As the land surface elevation falls to the east, the upper clay thins significantly.
- The shallow geology on the opposite (northwest) bank of Gordon's Creek is identical to the geology of the Fill Area (i.e., a surficial clay, underlain by two sandy zones separated by a thin clay layer, in turn underlain by a deeper clay).

Ground water investigations were conducted to delineate the extent of affected water in the offsite Process Area and to evaluate ground water conditions and quality within the Fill Area. The results of ground water investigations indicate that:

- In October 1998, ground water elevations in wells screened within the Process Area sand channel were, on average, 3 to 4 feet lower than in April 1997. This is believed to be a seasonal effect.
- Ground water flow direction within the sand channel is eastward from the Process Area toward the floodplain of the Leaf River. Water level elevations in offsite Process Area wells indicate a much flatter gradient (0.0008 feet per foot) to the east of the site. Offsite ground water flow velocities calculated using this flatter gradient range from 0.003 to 0.02 feet per day. Assuming the higher end of this range, the maximum distance that site constituents could have migrated offsite in 60 years is approximately 450 feet.
- Process Area constituents have migrated offsite to the east via the ground water pathway. However, no free-phase product or carcinogenic PAHs were detected in offsite ground water, and constituent concentrations decrease dramatically with distance from the former Process Area.
- The presence of site constituents in ground water samples collected at locations immediately adjacent to the northeast drainage pathway does not appear to be the result of lateral migration via the ground water pathway, but probably occurred due to the vertical migration of constituents from the drainage ditch itself.
- The extent of affected ground water within the Fill Area has now been fully delineated. As anticipated, the area containing affected ground water is similar in size and shape to the overlying area of affected soil delineated during the Phase I RI.
- Ground water within the Fill Area sands flows toward Gordon's Creek and
 downstream along the creek. A comparison of ground water elevation data to the
 Gordon's Creek surface water elevation indicates that at the time of Phase II RI
 field activities, surrounding ground water was discharging to Gordon's Creek.

Surface water and sediment samples were collected from Gordon's Creek and the northeast drainage pathway. The results of surface water and sediment sampling indicate that:

- Neither surface water or near surface (zero to 6-inch) sediment samples from Gordon's Creek appear to have been significantly impacted with site constituents. However, a sheen has been observed sporadically on the surface water within Gordon's Creek.
- Except at its inception, surface water within the northeast drainage pathway was essentially free of site constituents. Sediments within the ditch appear to have been impacted by site runoff to a distance of approximately 1,000 feet offsite.
- Little or no partitioning of constituents from sediments to surface water has
 occurred, therefore minimal potential exists for the offsite migration of site
 constituents via the surface water pathway.

1.0 Introduction

1.1 Objectives of Investigation and Purpose of Report

In April 1998, KMCC submitted to MDEQ a work plan addendum for a Phase II Remedial Investigation (RI) at the former Gulf States Creosoting site in Hattiesburg, Mississippi (the site). The objectives of the investigation were to expand the findings of the Phase I RI by further characterization of site stratigraphy and ground water conditions and full delineation of the vertical and horizontal extent of affected media at the site. The work plan addendum was approved for implementation by the MDEQ Office of Pollution Control (OPC), Uncontrolled Sites Section, in a letter dated April 23, 1998.

Phase II RI field activities were conducted between April 19 and October 14, 1998. Work was performed according to procedures specified in the following MDEQ-approved documents:

- the original January 30, 1997 Site Investigation Work Plan;
- the April 8, 1998 Revised Addendum to Site Investigation Work Plan; and
- the August 14, 1998 Interim Report, Phase II Remedial Investigation.

This Phase II RI Report documents data collection activities and presents the results of the Phase II Remedial Investigation. The report was prepared in general conformance with the following documents:

- Guidance for Remediation of Uncontrolled Hazardous Substance Sites in Mississippi, Superfund Branch, Hazardous Waste Division, Office of Pollution Control, Department of Environmental Quality, State of Mississippi, September 1990; and
- Interim Final Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA, U.S. EPA, October 1988.

1.2 Report Organization

The Phase II RI report is organized as follows:

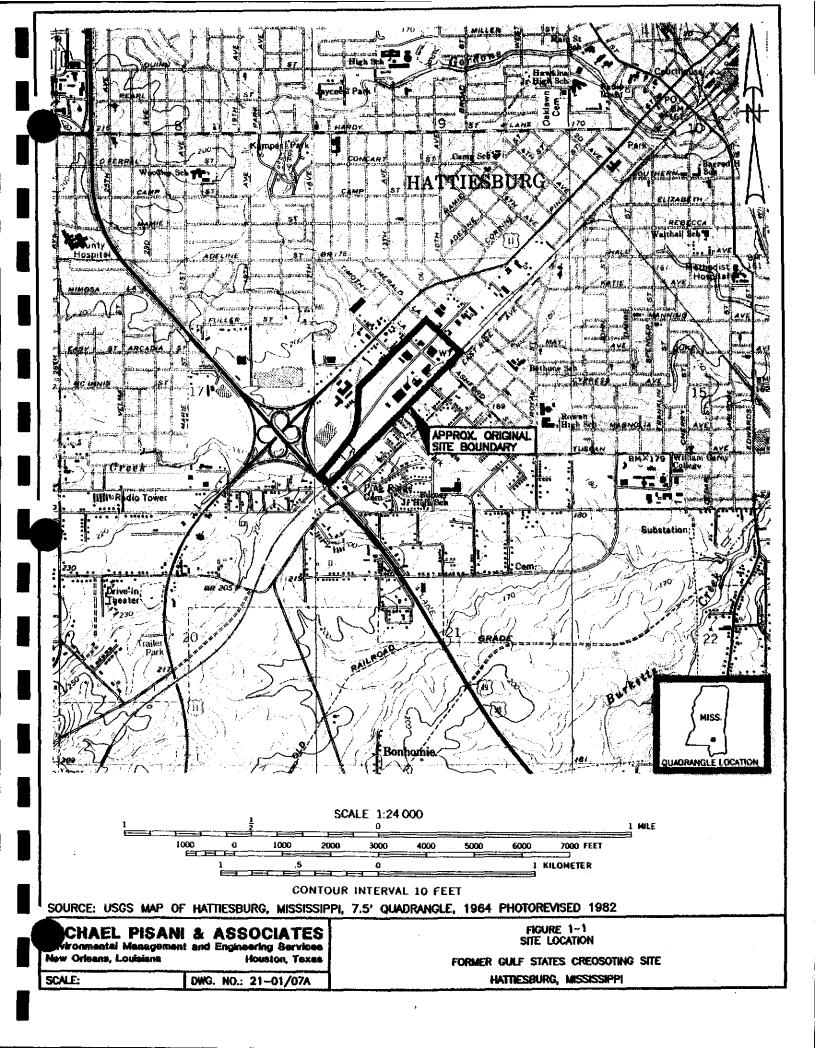
- Section 1 presents project background information.
- Section 2 presents details of study area investigation activities undertaken during the Phase II RI, including sampling procedures and the number and types of samples.
- Section 3 presents new information on the physical characteristics of the study area.
- Section 4 presents information on the nature and extent of chemical constituents in site media.
- Section 5 presents conclusions of Phase II RI activities.

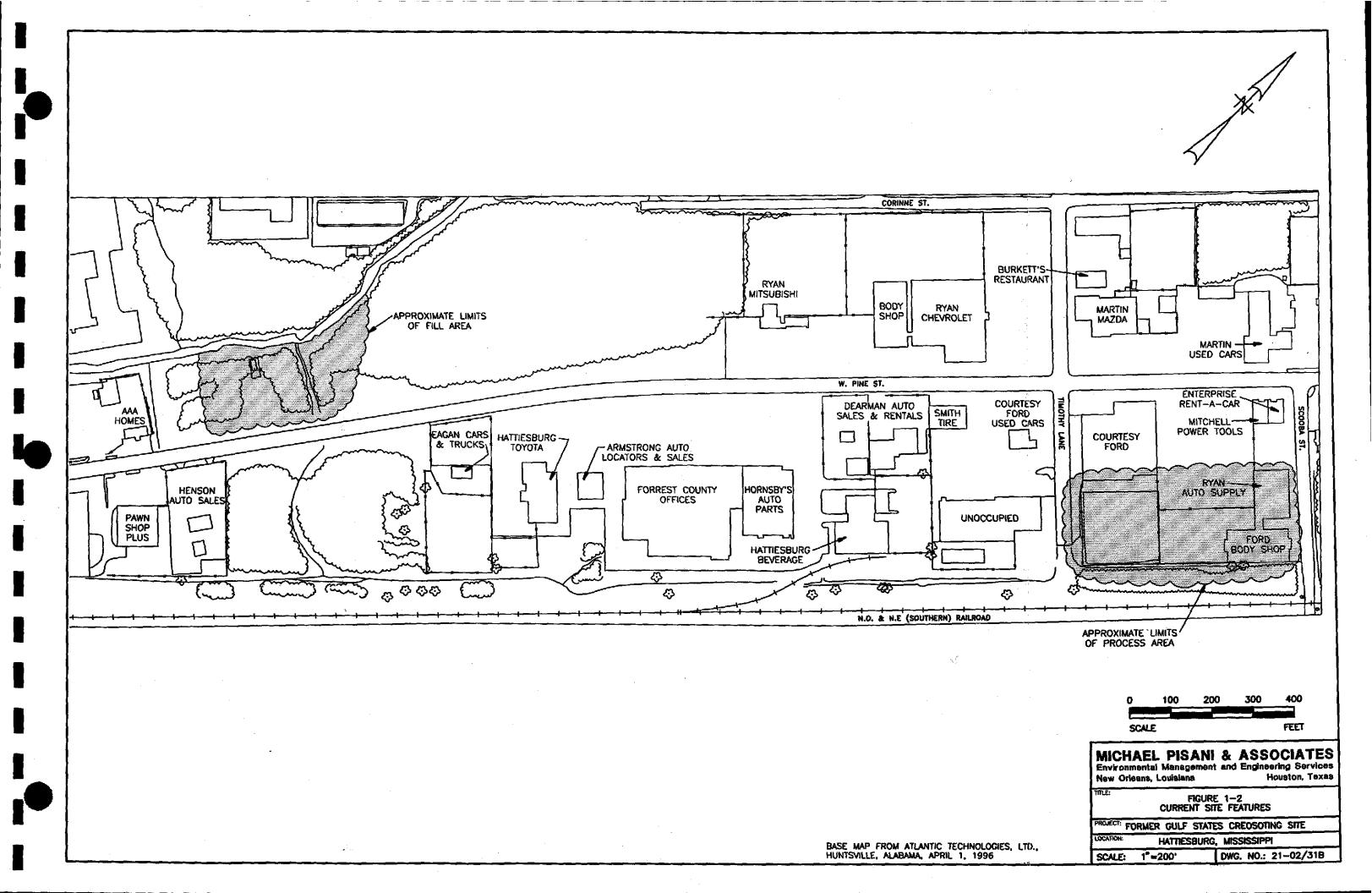
1.3 Site Background

The former Gulf States Creosoting site is located in Hattiesburg, Mississippi near the intersection of U.S. Highways 49 and 11. The site is situated entirely within Section 16 of Township 4 North, Range 13 West, in Forrest County, Mississippi. The location and

approximate boundary of the original plant area are shown on Figure 1-1. The locations of current site features are illustrated on Figure 1-2.

Extensive background information, including a detailed site description, historical operational history, and a summary of data from previous investigations, was provided in Section 1.3 and Appendix A of the June 30, 1997 *Remedial Investigation Report*. To avoid unnecessary duplication, we have not provided the same information in this document.





2.0 Study Area Investigations

RI field activities were comprised of four specific tasks:

- 1. Soil Investigations
- 2. Stratigraphic Characterization
- 3. Ground Water Investigations
- 4. Surface Water and Sediment Sampling

Procedures used to complete each of the above specific tasks are summarized in the following sections of this report. Unless stated otherwise, field procedures were performed as specified in the MDEQ-approved documents.

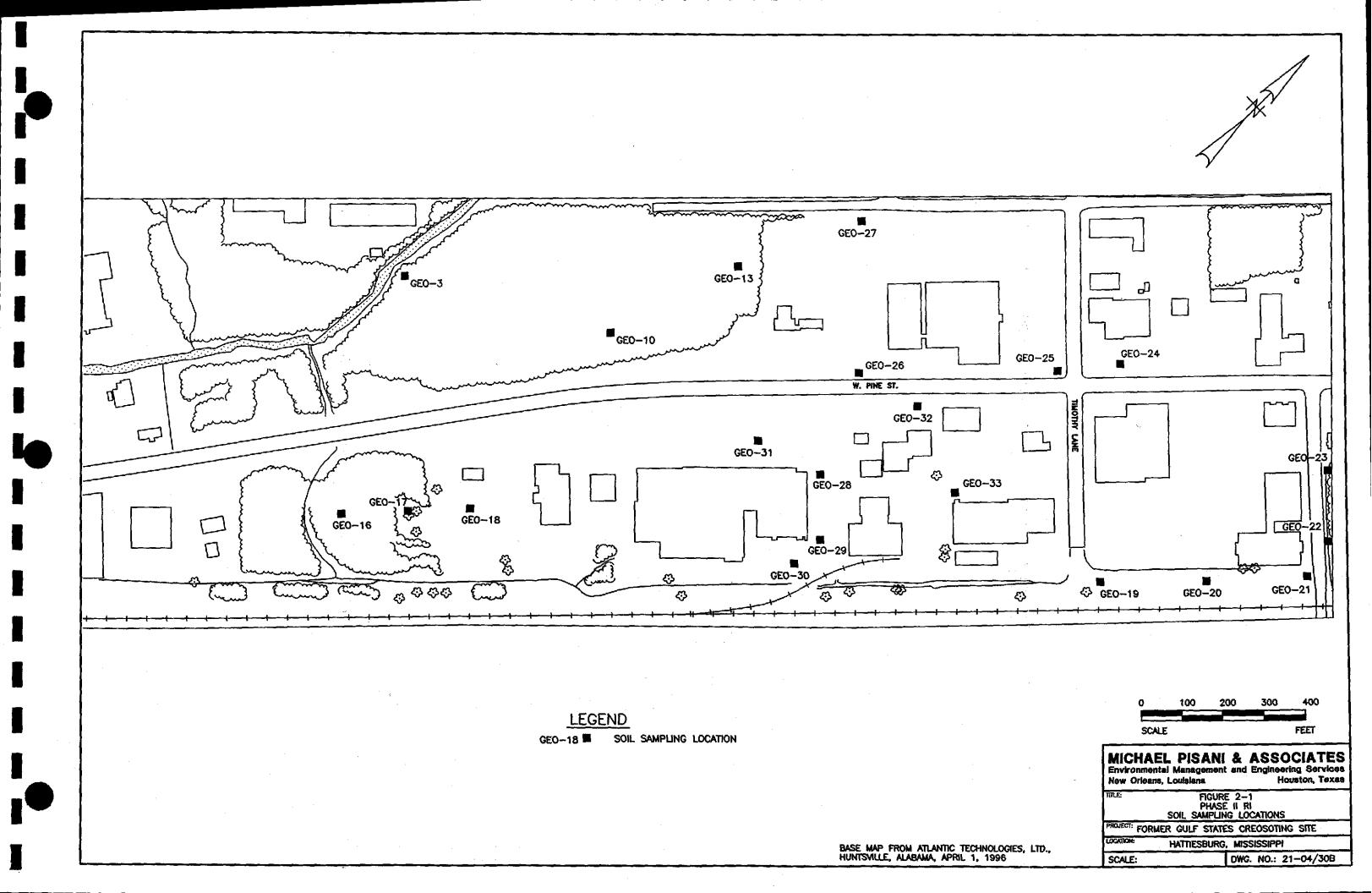
2.1 Soil Investigations

The primary objective of Phase II RI soil investigations was to determine the vertical and horizontal extent of affected soil in areas where such information was previously unavailable. A secondary objective of the soil investigations was the verification of results from previous studies. A total of 60 soil samples from 21 locations, plus associated quality control samples, were collected and analyzed during the Phase II RI in an attempt to achieve these objectives.

Phase II RI soil sampling locations are depicted on Figure 2-1. The rationale for selection of these locations was as follows:

- GEO-03, -10, -13, -16, -17, and -18 Phase I RI results indicated the presence of low concentrations of creosote constituents in the zero to 1-foot interval at these locations. Samples were collected to determine constituent concentrations in the 2-to 3-foot and 5- to 6-foot intervals.
- GEO-19 through -23 Samples were collected to determine the extent of affected soil to the southeast and northeast of the Process Area.
- GEO-24, -26, -32, and -33 Samples were collected to provide coverage in areas not sampled previously.
- GEO-25 and -27 through -31 Samples were collected to verify the results of previous studies.

All Phase II RI soil samples submitted for laboratory analysis were collected using a Geoprobe. Samples were collected in stainless steel sampling barrels equipped with dedicated acetate liners. Generally, samples were collected from the zero to 1-foot, 2- to 3-foot, and 5- to 6-foot intervals. Samples were transferred from the liners to aluminum foil, then into clean, laboratory-supplied sample containers using stainless steel sampling tools. Soil samples were analyzed for Target Compound List semivolatile organic compounds (TCL SVOCs) by SW-846 Method 8270.



2.2 Stratigraphic Characterization

The primary objective of this task was to obtain the stratigraphic information necessary to select appropriate locations and depths for ground water sampling. Phase II RI stratigraphic characterization activities focused mainly on the offsite Process Area (i.e., the area east of the N.O. & N.E. Railroad). In addition, a single boring was advanced northwest across Gordon's Creek from the Fill Area. A total of eight CPT pushes and two soil borings were advanced to obtain the additional stratigraphic data. CPT logs and soil borings logs are provided as Appendices A and B, respectively, of this report.

Phase II RI stratigraphic characterization locations are depicted on Figure 2-2. Locations CPT-08A through 13 were specified in the *Revised Addendum to Site Investigation Work Plan*; CPT-21 and CPT-22 were added in the field during ground water screening activities (see Section 2.3). Boring SB-09 was advanced for the purpose of installing ground water monitoring well MW-09.

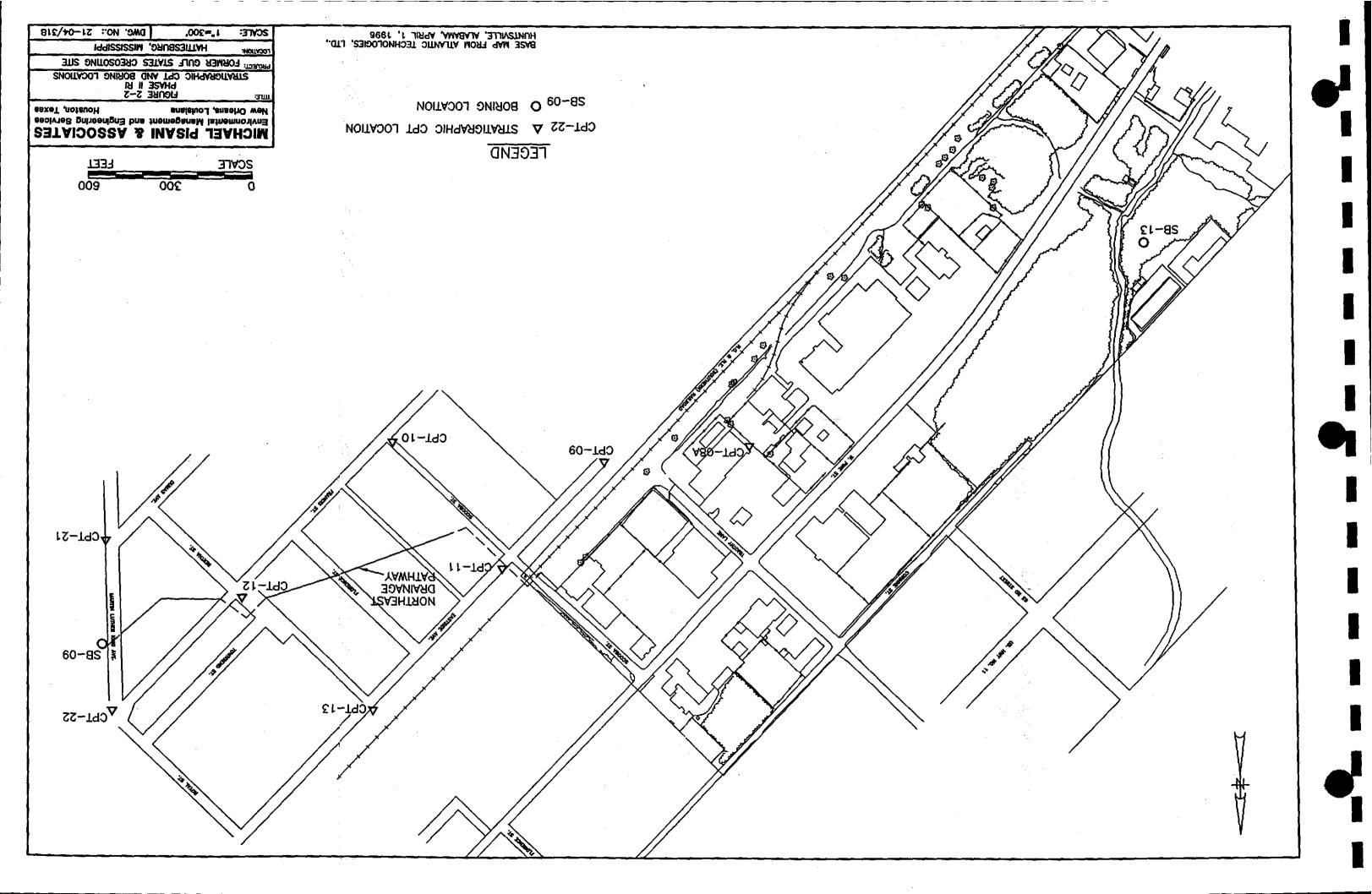
The work plan addendum included advancing two stratigraphic CPT pushes on the northwest bank of Gordon's Creek across from the Fill Area. Unfortunately, due to site access issues, KMCC could not complete this work when the CPT rig was on site. However, after obtaining access from the Ramada Inn, KMCC was able to complete a single boring (SB-13) and install a ground water monitoring well (MW-13) across Gordon's Creek from the Fill Area during subsequent Phase II RI activities.

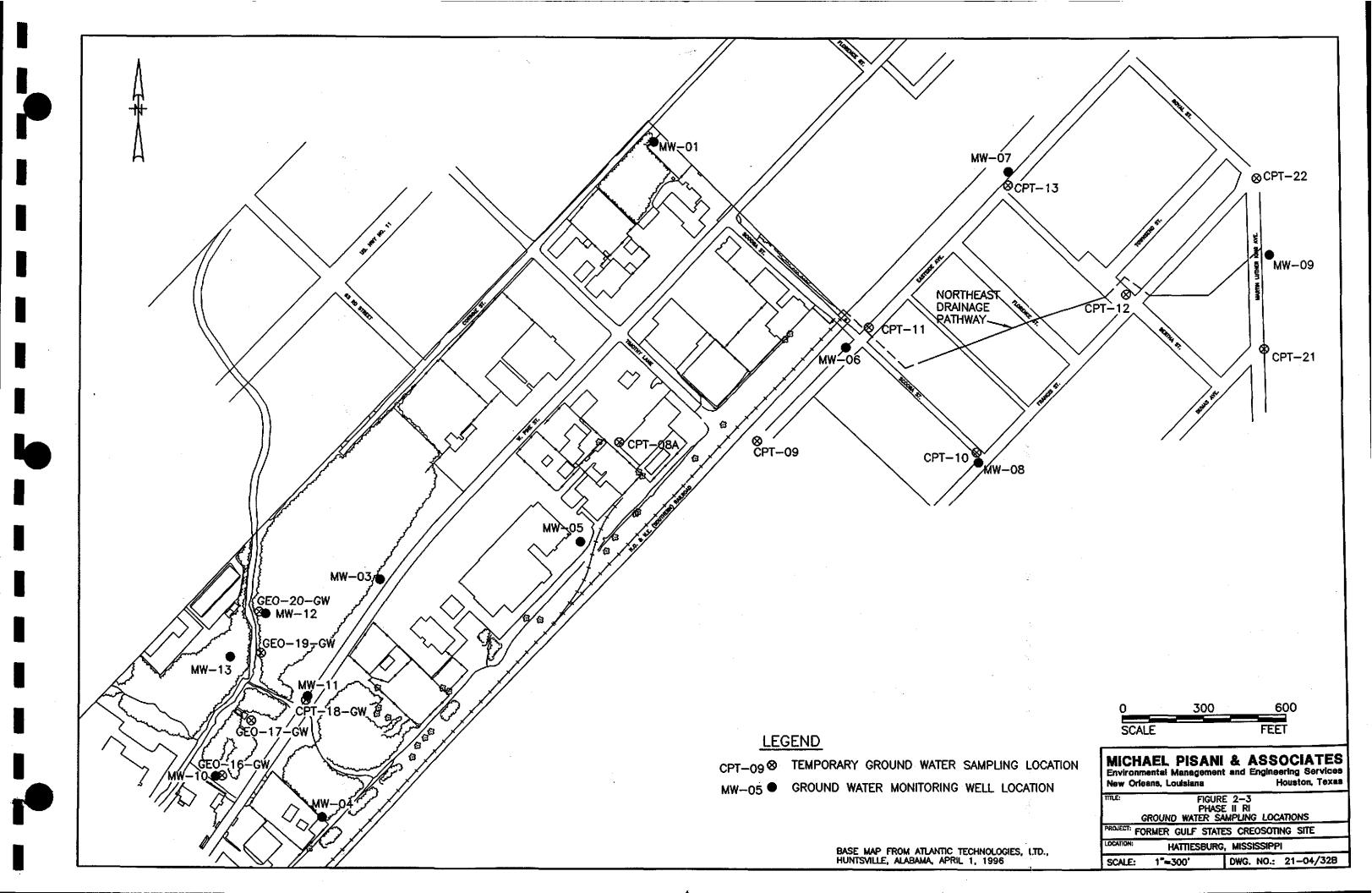
2.3 Ground Water Investigations

The objectives of Phase II RI ground water investigations were to determine ground water quality within the Fill Area and to evaluate the potential for offsite migration of affected ground water from the Process Area. KMCC utilized a phased approach to achieve these objectives. The ground water screening phase consisted of collecting and analyzing ground water samples at 13 temporary ground water sampling points to delineate the extent of affected ground water and to determine appropriate locations for additional ground water monitoring wells. The monitoring well installation and sampling phase consisted of installing eight new monitoring wells and sampling a total of 12 wells to determine ground water quality, flow direction, and gradient. Phase II RI ground water sampling locations are depicted on Figure 2-3.

2.3.1 Ground Water Screening

The data obtained from the stratigraphic CPT work, along with stratigraphic information from the Phase I RI, were used to determine appropriate locations and depths for ground water screening. KMCC utilized both a CPT push-in well screen sampler and temporary well points installed with a Geoprobe for the collection of ground water screening samples. Ground water samples were collected from the CPT push-in well screen by lowering a small-diameter bailer through the sampling rods into the sampling chamber. Samples were collected from Geoprobe temporary well points using a peristaltic pump and dedicated silicone tubing. All samples were analyzed for TCL SVOCs by SW-846 Method 8270. In





addition, Fill Area screening samples were analyzed for TCL volatile organic compounds (VOCs) by SW-846 Method 8260.

Per the MDEQ-approved work plan addendum, ground water investigations were suspended at the completion of ground water screening field activities pending the receipt of screening analytical data and the evaluation of stratigraphic data. Once all ground water screening data were received and evaluated, KMCC prepared and submitted to MDEQ an interim report depicting proposed monitoring well locations and rationale. The well installation phase did not commence until MDEQ approval of proposed well locations was received in a letter dated August 26, 1998.

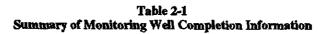
2.3.2 Monitoring Well Installation and Sampling

Ground water monitoring wells were installed at the eight MDEQ-approved locations using a hollow-stem auger drilling rig. Well construction procedures were identical to those established in the January 30, 1997 Site Investigation Work Plan. Wells were constructed of two-inch, Schedule 40 PVC, with 0.01-inch machine-slotted screen spanning the entire thickness of the first saturated permeable zone. Wells were completed at grade with water-tight, flush-mount manhole covers. Well construction details are summarized in Table 2-1. Well construction diagrams are provided in Appendix C of this report.

Upon completion, wells were developed to remove sediment and to facilitate the collection of samples which were representative of ground water within the screened material. Wells were pumped until ground water was visually sediment-free. Approximately 55 gallons of water (one full drum) were removed from each of the eight new wells except for MW-11. Due to low yield, well MW-11 was pumped dry several times, with a total of approximately 30 gallons of water removed during development.

Prior to measuring water levels in monitoring wells, the water-tight caps were removed from all wells and water levels in wells were allowed to equilibrate to atmospheric pressure. The water level in each well was then measured from the top of well casing using an electronic water level indicator. The volume of water in each well was calculated using the well depth and water level. Prior to sampling, each well was purged with a dedicated disposable bailer. During purging, the volume of water removed was recorded and the temperature, pH, and specific conductance of the ground water were monitored. Well purging was considered complete when these parameters had stabilized and a minimum of three well volumes had been removed.

Ground water samples were collected from all eight new wells and the four wells installed during the Phase I RI. Samples were poured directly from bailers into clean, laboratory-supplied sample containers. All samples were analyzed for TCL SVOCs by SW-846 Method 8270 and for polycyclic aromatic hydrocarbons (PAHs) by SW-846 Method 8310. In addition, samples from the four Fill Area wells were analyzed for TCL VOCs by SW-846 Method 8260.



Former Gulf States Creosoting Site Hattiesburg, Mississippi

Well	Date Installed	Borehole Diameter (inches)	Well Diameter (inches)	Construction Material	Well Depth (ft, bls)	Top of Casing Elevation (ft. msl)	Screened Interval (ft. bls)	Screened Interval Elevation (ft. msl)
MW-1	May 1994	10.25	4	PVC	30	188.98	20-30	158.98-168.98
MW-2	May 1994	10.25	4	PVC	30	189.71	20-30	159.71-169.71
MW-3	May 1994	10.25	4	PVC	30	188.19	20-30	158.19-168.19
MW-4	May 1994	10.25	4	PVC	34	191.42	24-34	157.42-167.42
MW-01	February 1997	8.25	2	PVC	35	186.14	17-32	154.14-169.14
MW-03	February 1997	8.25	2	PVC .	37	189.24	29-34	155.24-160.24
MW-04	February 1997	8.25	2	PVC	40	191.28	27-37	154.28-164.28
MW-05	February 1997	8.25	2	PVC	42	191.59	19-39	152.59-172.59
MW-06	September 1998	8.25	2	PVC	38	185.44	18-38	147.44-167.44
MW-07	September 1998	8.25	2	PVC	38	186.45	18-38	148.45-168.45
MW-08	September 1998	8.25	2	PVC	40	188.73	20-40	148.73-168.73
MW-09	September 1998	8.25	2	PVC	28	174.99	13-28	146.99-161.99
MW-10	September 1998	8.25	2	PVC	13	186.73	8-13	173.73-178.73
MW-11	September 1998	8.25	2	PVC	14	187.76	9-14	173.76-178.76
MW-12	September 1998	8.25	2	PVC	22	183.84	17-22	161.84-166.84
MW-13	September 1998	8.25	2	PVC	19	183.98	9-19	164.98-174.98

Note:

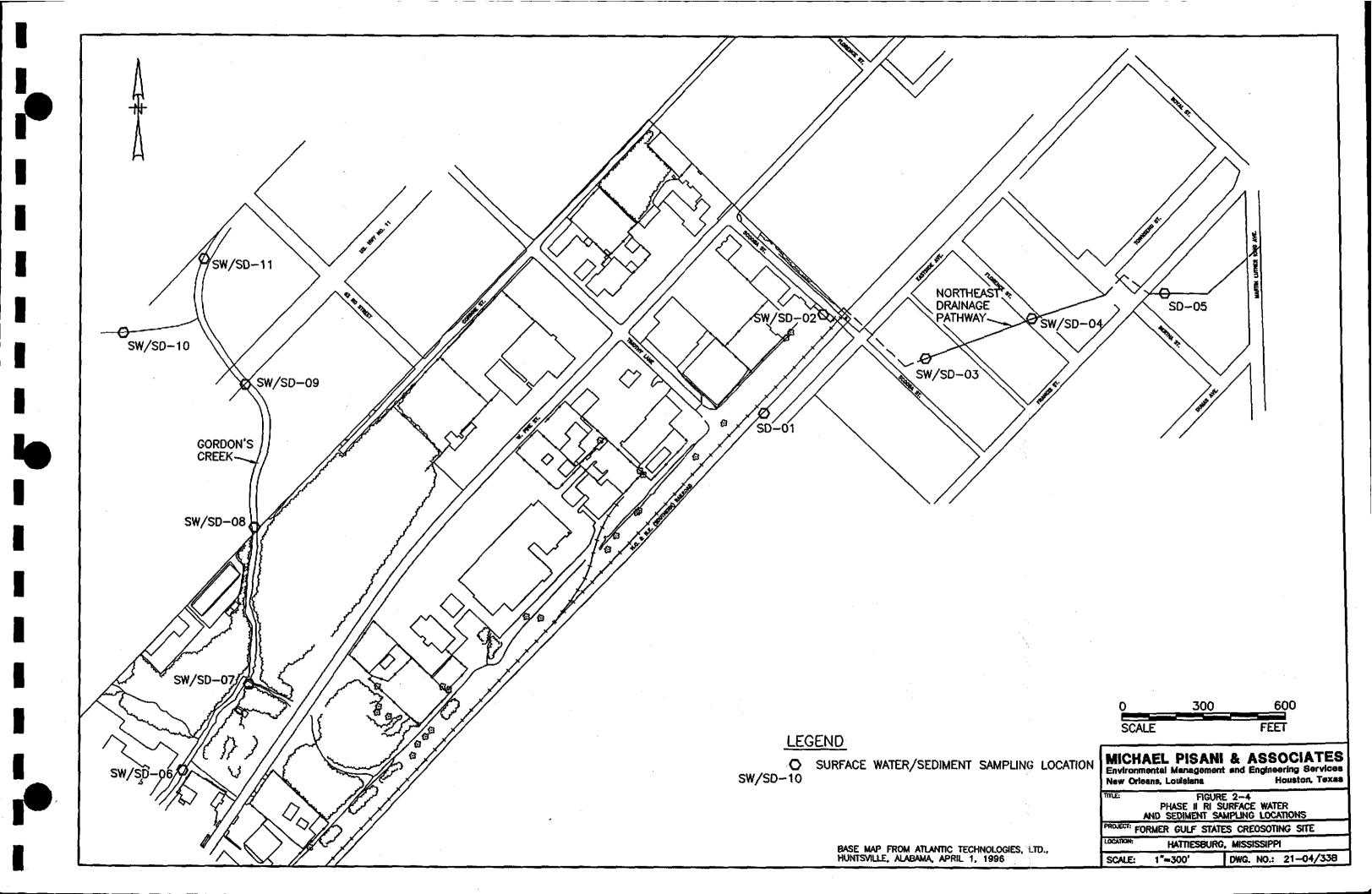
All elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88) and are reported with respect to mean sea level, bis - below land surface

2.4 Surface Water and Sediment Sampling

Because 1997 Phase I RI activities were focused on the former wood treating site, samples were not collected from offsite drainage pathways. During Phase II RI activities, surface water and sediment samples were collected from two separate and distinct drainage pathways: the ditch and culvert system to the east-northeast of the Process Area (northeast drainage pathway) and Gordon's Creek. The objective of this task was to determine the presence/absence, concentrations, and extent of creosote constituents in these two offsite drainage pathways. A total of nine surface water and 11 sediment samples were collected during the Phase II RI. Phase II RI surface water and sediment sampling locations are depicted on Figure 2-4.

Surface water and sediment sampling locations in the northeast drainage pathway were accessed from the bank; sampling locations in Gordon's Creek were accessed by wading. Samples from each drainage pathway were collected beginning at the furthest downstream sampling location and moving upstream. At each location, the sampler faced upstream and collected the surface water sample prior to the sediment sample, avoiding disturbance of the sediment during surface water sampling.

Surface water and sediment samples were collected in accordance with procedures set forth in the *Revised Addendum to Site Investigation Work Plan*. Due to dry weather conditions, no surface water samples could be collected at sample locations -01 and -05. All surface water and sediment samples were analyzed for TCL SVOCs by SW-846 Method 8270.



3.0 Physical Site Conditions

Extensive information on the environmental setting of the study area was presented in Section 3.0 of the June 30, 1997 Remedial Investigation Report. Subjects discussed in that section included climate, topography and drainage, geology, soils, and hydrogeology. Additional information on the site geology and hydrogeology were obtained during the completion of Phase II RI field activities. This section serves as an addendum to previous discussions regarding site geology and hydrogeology.

3.1 Geology

As established in the June 30, 1997 Remedial Investigation Report, the geology of the Process Area and the Fill Area are significantly different. An updated discussion on the geology of the two areas is provided in the following subsections.

3.1.1 Offsite Process Area Geology

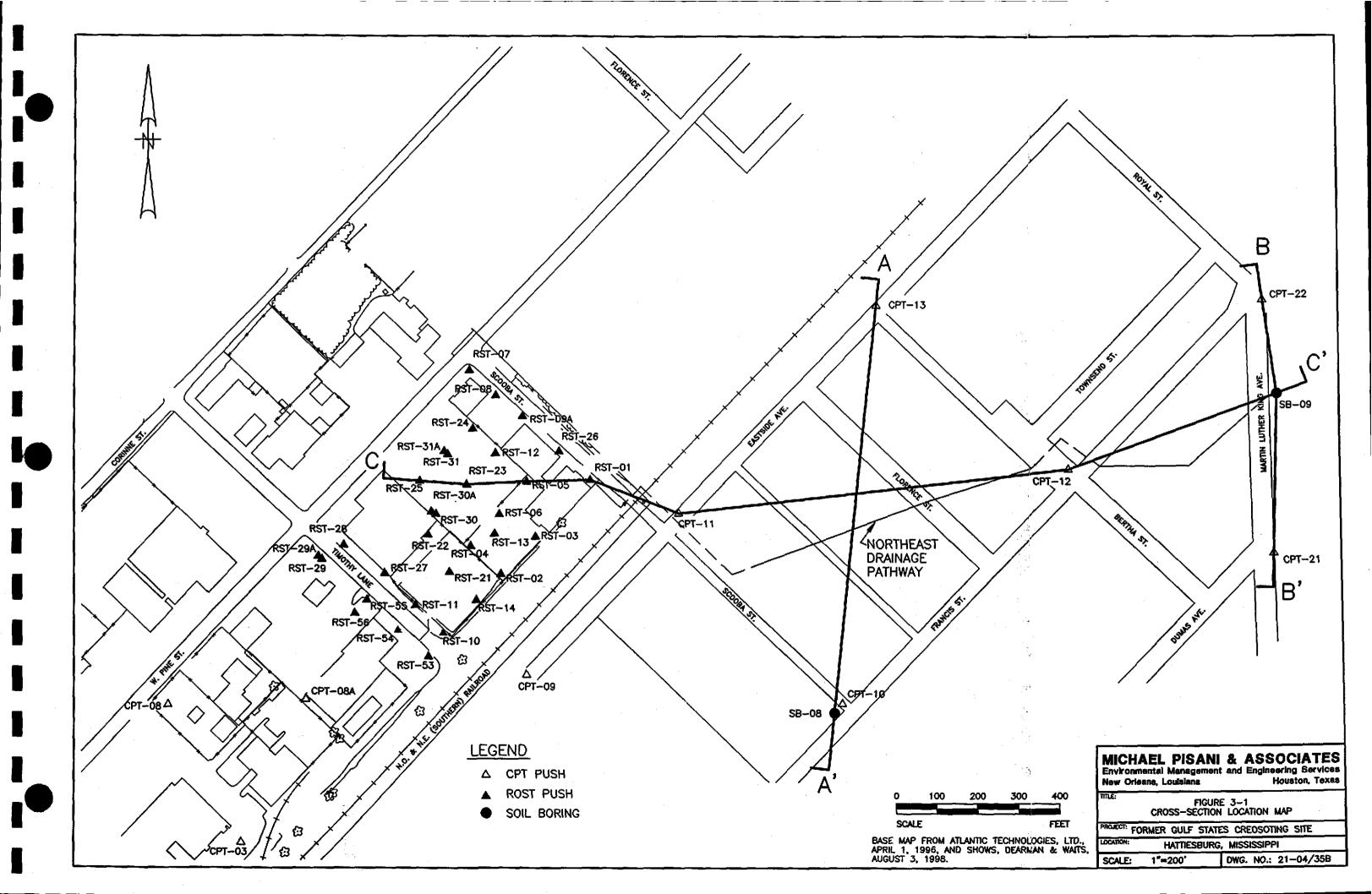
The Process Area is underlain by three major units. These units are, in descending order:

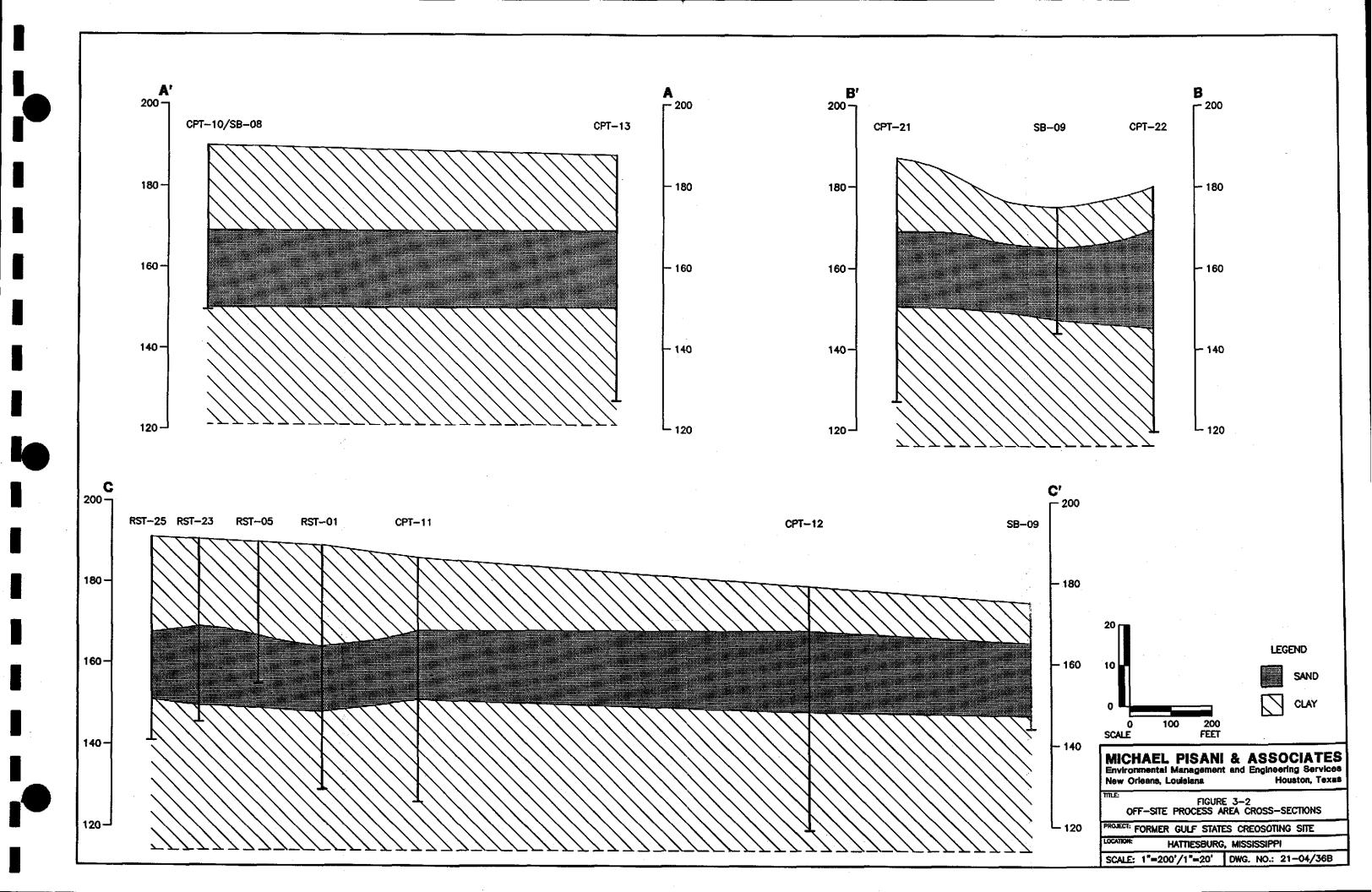
- 1. An upper silty clay, 20 to 25 feet thick;
- 2. The first water-bearing zone, a sand channel with a maximum thickness of 21 feet; and
- 3. An underlying clay aquitard at least 15 to 20 feet thick.

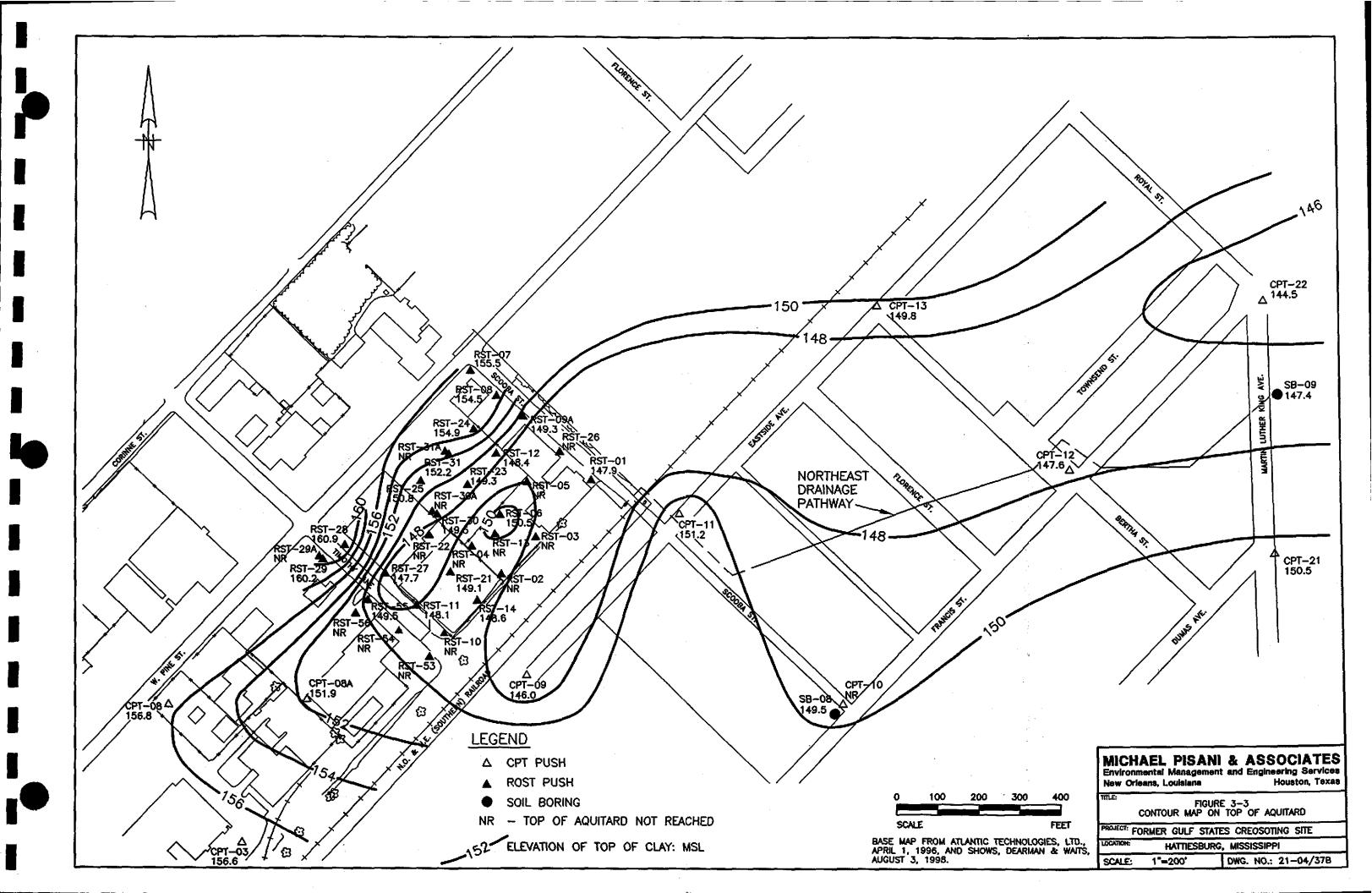
The upper unit is a light gray and tan silty clay that is moist, stiff to very stiff, and exhibits abundant orange and red mineral staining. The first water-bearing unit beneath the Process Area consists of white to light gray sand which is saturated, fine to medium grained, and dense, and contains a thin gravelly basal zone. The underlying aquitard is a gray to brown silty clay that is dry and hard, and is believed to represent the upper portion of the massive Hattiesburg clay. All three units are continuous beneath the Process Area, although the sand channel begins to pinch out at the western edge of the Process Area and does not extend westward to the Fill Area. Stratigraphic data from Phase I RI activities showed that the base of the sand channel dips northeastward beneath the Process Area.

Figure 3-1 depicts the locations of cross-sections generated using offsite Process Area stratigraphic data obtained during the Phase II RI. The three offsite Process Area cross-sections are illustrated on Figure 3-2. Figure 3-3 is a contour map on the base of the sand channel; the map has been extended eastward since the original *RI Report* to incorporate new offsite data.

The Phase II RI data indicate that the three units underlying the Process Area are also continuous east of the N.O. & N.E. railroad tracks (see Figure 3-2). The land surface within the offsite Process Area continues to slope gently eastward toward the floodplain of the Leaf River. The geology reflects the surface topography in that the upper surfaces of both the sand channel and aquitard dip gently to the east-northeast (see cross-section C-C' on Figure 3-2). It is also important to note that the upper clay layer thins significantly







downdip, especially in areas immediately adjacent to the northeast drainage pathway (e.g., near soil boring/monitoring well SB/MW-09).

3.1.2 Fill Area Geology

The upper 20 to 25 feet beneath the Fill Area consists of interbedded sands and clays, making the geology of the area more difficult to define than that of the Process Area. The sandiest section of the Fill Area deposits is located immediately adjacent to Gordon's Creek. Beneath the creek's eastern bank, a clay layer separates two shallow sandy zones. A stiff clay layer is encountered beneath the second sandy zone. This clay is believed to represent the upper portion of the massive Hattiesburg clay.

During Phase II RI activities, a soil boring was installed on the northwest bank of Gordon's Creek to evaluate the shallow stratigraphy and allow for the installation of a monitoring well. The boring log for SB-13 revealed geology identical to that of the Fill Area, i.e., a surficial clay, underlain by two sandy zones separated by a thin clay, in turn underlain by a deeper clay.

3.2 Site Ground Water Conditions

Two distinct shallow aquifer systems are present within the upper 75 feet beneath the site. The first consists of the Process Area sand channel, while the second is comprised of the sandy zones in the vicinity of Gordon's Creek. As the sandy zones beneath the two areas are separated from one another by impermeable clay, ground water occurrence and conditions are addressed separately in the following subsections.

3.2.1 Offsite Process Area Ground Water

The results of previous investigations have indicated that ground water within the Process Area sand channel exists under confined or semi-confined conditions. By this, we mean that the sand channel is saturated from top to bottom, and that ground water in wells rises to levels within the overlying clay layer. Phase II RI data confirm this condition in most wells screened within the sand channel. The water level in well MW-05, however, has fallen to a level approximately 3.5 feet below the top of the sand (i.e., the top of sand is present at approximately 19.5 feet below grade, while the water level in the well was approximately 23 feet below grade).

Overall, water levels in wells screened within the sand channel were observed to be between 2.85 and 3.95 feet lower during Phase II field activities than during Phase I. This was anticipated, however, since Phase I water levels were measured in March 1997 during the rainy season, and Phase II water levels were measured in October 1998 during the dry season. The single exception to this phenomenon was well MW-04, in which the water level actually rose 0.84 feet between the Phase I and Phase II measurements. This suggests that the thin sand screened by well MW-04 is not hydraulically connected with the sand channel. Water levels in well MW-04 will continue to be observed during future events.

Ground water elevation data from March 1997 and October 1998 are summarized in Table 3-1. Figure 3-4 is a potentiometric surface map constructed using water level data obtained on October 13 and 14, 1998. The map shows that ground water within the sand channel flows to the east, similar to the slope of site topography, toward the floodplain of the Leaf River. Ground water elevations in the subsurface sand channel ranged from 172.85 feet above mean sea level (amsl) at the southwestern end of the channel in MW-03 to 166.50 feet amsl in offsite monitoring well MW-09.

The ground water gradient at the western end of the channel is approximately 0.006 feet per foot. However, the gradient flattens dramatically within and to the east of the Process Area. The gradient between well MW-3, at the eastern end of the Process Area, and MW-09, the furthest downgradient monitoring well, is only 0.0008 feet per foot. This value is appropriate to use in calculating ground water flow velocities that reflect the potential for offsite migration of site constituents via the ground water pathway.

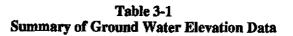
Hydraulic conductivities of the sand channel estimated via slug test analyses during the Phase I RI ranged from 3.8×10^4 cm/sec to 2.1×10^3 cm/sec (1.1 ft/day to 5.9 ft/day). These values are consistent with published values for sandy aquifers. Using this range of hydraulic conductivity values, an assumed effective porosity of 30%, and a gradient of 0.0008 feet per foot, calculated linear ground water flow velocities in the sand channel range from 0.003 to 0.02 feet per day.

3.2.2 Fill Area Ground Water

Prior to Phase II RI activities, little information was available regarding ground water conditions within the Fill Area sands. The objectives of Fill Area ground water investigations were to:

- 1. Determine ground water flow direction within the Fill Area sands;
- Determine the hydraulic connection between the Fill Area sands and Gordon's Creek; and
- 3. Determine ground water quality within the Fill Area sands.

Water level elevation data from the four new Fill Area monitoring wells and the newly installed stream gauge are summarized in Table 3-1. Figure 3-5 is a potentiometric surface map constructed using water level data obtained on October 13 and 14, 1998. As anticipated, the map shows that ground water within the Fill Area sands flows toward Gordon's Creek and downstream along the creek. The hydraulic gradient toward the creek is approximately 0.02 feet per foot; the gradient downstream along the creek is approximately 0.007 feet per foot.



Former Gulf States Creosoting Site Hattiesburg, Mississippi

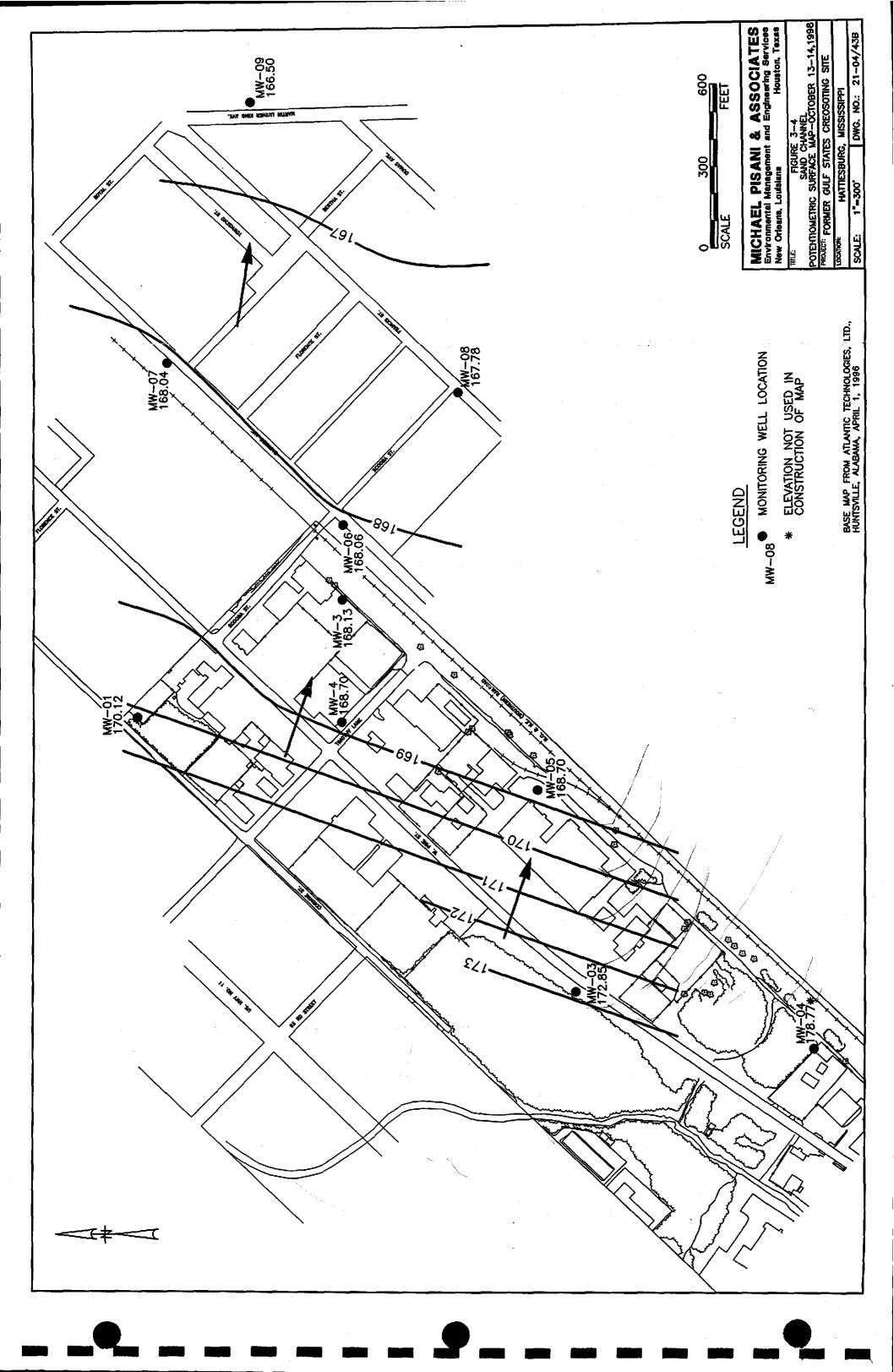
<u>Well</u>	Surveyed Elevation (ft.)	3/11/97 Water Level (a)	3/11/97 Ground Water Elevation (ft.)	10/13-14/98 Water Level (a)	10/13-14/98 Ground Water Elevation (ft.)	Change between 3/11/1997 and 10/13-14/98 (ft.)
MW-1	188.98	17.12	171.86	NM	NM	NM
MW-2	189.71	17.55	172.16	NM	NM	NM
MW-3	188.19	16.11	172.08	20.06	168.13	-3.95
MW-4	191.42	19.10	172.32	22,72	168.70	-3.62
MW-01	186.14	12.43	173.71	16.02	170.12	-3.59
MW-03	189.24	13.54	175.70	16.39	172.85	-2.85
MW-04	191.28	13.35	177.93	12.51	178.77	0.84
MW-05	191,59	19.47	172.12	22.89	168.70	-3.42
MW-06	185.44	NI	NI	17.38	168.06	NI
MW-07	186.45	NI	NI	18.41	168.04	NI
MW-08	188.73	NI	NI	20.95	167.78	NI
MW-09	174.99	NI	NI	8.49	166.50	NI
MW-10	186.73	NI	NI	7.52	179.21	NI
MW-11	187.76	NI	NI	8.41	179.35	NI
MW-12	183.84	NI	NI	9.30	174.54	NI
MW-13	183.98	NI	NI	7.91	176.07	NI
Stream Gauge	178.00	NI	NI	2.30	175.70	NI

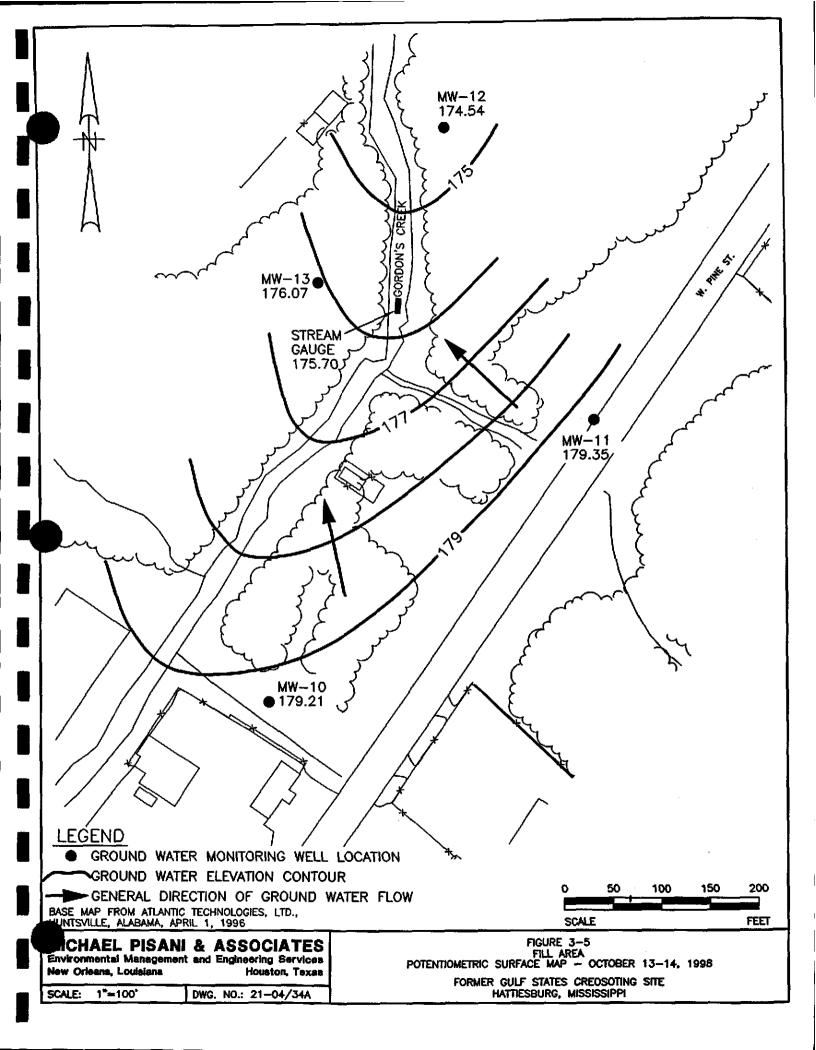
Elevations referenced to the North American Vertical Datum of 1988 (NAVD 88) and are reported with respect to mean sea level.

(a) Feet below surveyed elevation

NI - Well not installed until Phase II RI

NM - Water level not measured due to presence of product





A comparison of ground water elevation data to the Gordon's Creek surface water elevation indicates that at the time of Phase II RI field activities, surrounding ground water was discharging into Gordon's Creek. Given the sandy nature of the sediments along the banks of Gordon's Creek, it is possible that during high water stages some flow reversal could occur (i.e., the creek could contribute water to the surrounding sediments). It is not likely, however, that this condition would last for extended periods of time, or that flow from the creek into surrounding sediments would extend outward any distance.

3.2.3 Relationship Between Process Area Ground Water and Fill Area Ground Water

Previous stratigraphic characterization has shown that the uppermost water-bearing zone beneath the Process Area (the sand channel) does not extend westward to the Fill Area and that ground water flow direction within the sand channel is toward the east. Until Phase II RI activities were completed, no water level data from within the Fill Area were available. Figure 3-5 illustrates that ground water within the Fill Area flows westward toward Gordon's Creek (i.e., in the opposite direction of flow within the sand channel) and downstream along the creek. These findings are further evidence that the aquifer systems beneath the two areas are separate and distinct, and that no mechanism exists for the subsurface migration of site constituents from the Process Area to the Fill Area.

4.0 Nature and Extent of Affected Media

This section breaks down discussions regarding the nature and extent of affected media into the following areas:

- Process Area and Offsite Process Area
- Fill Area and Gordon's Creek
- 3. Other Onsite Areas

The results of soil analyses are summarized in Table 4-1. Figure 4-1 through 4-5 depict benzo(a)pyrene equivalence values in soil within the following depth intervals: zero to 2 feet, 2 to 5 feet, 5 to 10 feet, 10 to 15 feet, and 15 to 20 feet. The use of benzo(a)pyrene equivalence is a toxicity equivalence factor (TEF) approach for assessment of potentially carcinogenic PAHs. This approach assigns each of the seven potentially carcinogenic PAHs (CPAHs) an "estimated order of potential potency" based on its toxicity relative to benzo(a)pyrene in laboratory studies. U.S. EPA provides this methodology as a tool for assessing risk associated with CPAHs in the document *Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons*, EPA/600/R-93/089, July 1993.

The results of ground water analyses are summarized in Table 4-2. Figure 4-6 depicts naphthalene concentrations in ground water samples. Naphthalene is the single most prevalent wood treating constituent in ground water at the site, and is a good indicator parameter due to its mobility.

The results of surface water and sediment analyses are summarized in Tables 4-3 and 4-4, respectively. Figure 4-7 depicts total non-carcinogenic PAH and benzo(a)pyrene equivalence values in surface water samples collected from the two offsite drainage pathways. Figure 4-8 depicts benzo(a)pyrene equivalence values in sediment samples.

The tables and figures cited above provide the basis for discussions regarding the nature and extent of affected media at the site. For ease of review, these tables and figures are presented together at the end of this section. Narrative summaries for data validation reports are provided as Appendix E to this document. Laboratory analytical reports and data validation reports are provided as Appendices F and G, respectively.

4.1 Offsite Process Area

Data from the following samples collected during the Phase II RI activities were used to further delineate the nature and extent of affected media within the Process Area and offsite Process Area:

- 17 soil samples collected from five Geoprobe borings (GEO-19 through GEO-23);
- Eight ground water screening samples collected from CPT push-in well screen samplers (CPT-08A-GW through CPT-13-GW, CPT-21-GW, and CPT-22-GW);
- Four ground water samples from new offsite monitoring wells (MW-06 through MW-09);

- Three surface water samples from the northeast drainage pathway (SW-02, SW-03, and SW-04); and
- Five sediment samples from the northeast drainage pathway (SD-01 through SD-05).

4.1.1 Soil

The results of previous investigations have established the extent of affected soil to the southwest and northwest of the Process Area. The extent of affected soil to the southeast (i.e., toward the N.O. & N.E. Railroad right-of-way) and northeast (i.e., toward Scooba Street) of the Process Area had not been determined prior to the Phase II RI. Geoprobe borings GEO-19 through GEO-23 were advanced in these areas during the Phase II RI to further delineate the extent of affected soil.

The constituents reported in soil samples collected during the Phase II RI are identical to those reported previously, i.e., predominantly polycyclic aromatic hydrocarbons (PAHs) with far lesser concentrations of phenolics and phthalates. Of all the soil samples collected during the Phase II RI, the highest concentrations of wood treating constituents were reported in samples from borings advanced near former Process Area operations. Borings GEO-19 through GEO 22 were advanced within areas that likely received site runoff during operational times. In addition, a drainage ditch, which historical aerial photography indicates has existed for years, runs parallel to the railroad tracks between the former Process Area and borings GEO-19 through GEO-21. These factors have likely contributed to the elevated concentrations of wood treating constituents in borings GEO-19 through GEO 22 at depths of up to 10 feet below grade.

Because an access agreement with the N.O. and N.E. Railroad has not been executed, soil sampling activities could not be undertaken within 50 feet of the railroad tracks. This restriction prohibited the complete delineation of affected soil between the former Process Area and the railroad tracks. However, the railroad tracks are elevated above surrounding land and would serve as a natural barrier to any surface flow of affected storm water or process water.

4.1.2 Ground Water

Results of previous investigations indicated that ground water in the uppermost water-bearing zone beneath the former Process Area has been impacted by former wood treating operations. However, analytical data from on-site monitoring wells showed that affected ground water did not extend westward or significantly southward from the former Process Area. The extent of affected ground water to the north and east of the former Process Area had not been defined prior to Phase II RI ground water screening activities.

During the ground water screening phase, ground water samples were collected from one upgradient CPT push (CPT-08A) and seven downgradient pushes (CPT-09 through CPT-13, CPT-21, and CPT-22). With the exception of bis(2-ethylhexyl)phthalate, a common

laboratory artifact, no target constituents were detected above laboratory limits of quantitation in the following five ground water samples:

CPT-08A-GW

CPT-21-GW

CPT-10-GW

CPT-22-GW

CPT-13-GW

Target constituents in the low parts per billion range were reported in samples CPT-11-GW and CPT-12-GW. Higher concentrations of target constituents, most notably naphthalene, were reported in sample CPT-09-GW. The data indicated that constituent concentrations decrease dramatically with distance from the former Process Area.

Based on the ground water screening results, monitoring well locations were proposed and subsequently approved by MDEQ. Wells MW-06, MW-07, and MW-08 were installed near CPT-11-GW, CPT-13-GW, and CPT-10-GW, respectively; well MW-09 was installed between CPT-21-GW and CPT-22-GW, immediately adjacent to the northeast drainage pathway.

Analytical results from wells MW-06 through MW-08 mirrored the results from the adjacent ground water screening samples. However, although the results from screening samples CPT-21-GW and CPT-22-GW had been essentially non-detect, the results from well MW-09 indicated the presence of non-carcinogenic PAHs, with concentrations of naphthalene slightly greater than 2 milligrams per liter (mg/l). Upon further review of the data, it appears likely that the presence of site constituents in CPT-12-GW and MW-09 is not the result of lateral migration via the ground water pathway, but has occurred due to the vertical migration of constituents from the northeast drainage pathway. Two observations make this a likely explanation. First, ground water flow velocities indicate that in 60 years, constituents could migrate a maximum of approximately 450 feet offsite (CPT-12-GW and MW-09 are 1,100 and 1,600 feet offsite, respectively). Secondly, no site constituent were detected in samples from wells MW-07 and MW-08, which are located closer to the Process Area than CPT-12-GW and MW-09.

4.1.3 Northeast Drainage Pathway Surface Water and Sediment

No surface water or sediment samples have been collected from the northeast drainage pathway as part of previous studies. During the Phase II RI, three surface water samples (SW-02 through SW-04) and five sediment samples (SD-01 through SD-05) were collected and analyzed to evaluate the potential for offsite migration of site constituents via the surface water pathway. In addition, a sample was collected from the outfall for the Courtesy Ford body shop.

It is important to note that within one week prior to surface water and sediment sampling activities, the City of Hattiesburg conducted routine maintenance of the drainage ditch parallel to the railroad tracks and the first 100 feet of the northeast drainage pathway. The area adjacent to these ditches was cleared of brush, and a trackhoe was used to "muck out" the ditch to promote drainage. The material removed from the ditches was deposited on the

surface of the newly-cleared area. These activities resulted in the exposure of "fresh" creosote-impacted materials within the ditch.

Low concentrations of several PAHs were reported in surface water sample SW-02, collected near the inception of the northeast drainage pathway. However, a slight sheen was present, and this could be the result of the exposure of creosote-impacted sediment/soil in that portion of the ditch. The number of constituents in surface water and their respective concentrations decreased with distance offsite. Only one target constituent, pyrene at a concentration of 0.012 mg/l, was reported in sample SW-04, located approximately 1,000 feet downstream of the site.

Elevated concentrations of PAHs were reported in samples SD-02 through SD-04. Again, it is important to note that sample SD-02 was collected from the portion of the ditch that had recently been "mucked out." As illustrated on Figure 4-7, the benzo(a)pyrene equivalence values calculated for sediment samples decreased with distance offsite, from 199 milligrams per kilogram (mg/kg) in SD-02 to 1.4 mg/kg in SD-05.

4.2 Fill Area

Data from the following samples collected during the Phase II RI activities were used to further delineate the nature and extent of affected media within the Fill Area and Gordon's Creek:

- Five ground water screening samples from temporary piezometers (GEO-16-GW through GEO-20-GW);
- Four ground water samples from new Fill Area monitoring wells (MW-10 through MW-13);
- Six surface water samples from Gordon's Creek (SW-06 through SW-11); and
- Six sediment samples from Gordon's Creek (SD-06 through SD-11).

4.2.1 Ground Water

The results of ground water screening activities confirmed that the area of affected ground water is similar in size and shape to the overlying area of affected soil delineated during the Phase I RI. No target constituents were detected above laboratory limits of quantitation in samples GEO-16-GW, CPT/GEO-18-GW, and GEO-20-GW located south, east, and north, respectively, of the Fill Area. Low to medium concentrations of target constituents were reported in samples GEO-17-GW and GEO-19-GW, which were collected within the area known to contain affected soil. Because site access could not be obtained prior to conducting ground water screening activities, ground water sampling across Gordon's Creek from the Fill Area was deferred until the monitoring well installation phase.

Subsequent to MDEQ approval of proposed locations, wells MW-10, MW-11, and MW-12 were installed near ground water screening locations GEO-16-GW, CPT/GEO-18-GW, and GEO-20-GW, respectively. The samples from MW-10 through MW-12 essentially confirmed the results of ground water screening activities, except that extremely low

concentrations of target constituents were reported in the sample from MW-12. This suggests that well MW-12 is located at the downstream edge of affected ground water.

MW-13 was installed on the northwest bank of Gordon's Creek on Ramada Inn property. No target constituents were reported in samples from well MW-13.

4.2.2 Gordon's Creek Surface Water and Sediment

No surface water and only two sediment samples have been collected from Gordon's Creek as part of previous studies. During the Phase II RI, six surface water samples (SW-06 through SW-11) and six sediment samples (SD-06 through SD-11) were collected and analyzed to evaluate the potential for offsite migration of site constituents via the surface water pathway.

Low concentrations of fluoranthene were reported in surface water samples SW-08 and SW-09 (0.013 and 0.012 mg/l, respectively). No other target constituents were reported in surface water samples from Gordon's Creek at concentrations exceeding laboratory limits of quantitation. PAHs were reported in sediment samples SD-07 through SD-09, albeit at much lower concentration than in the northeast drainage pathway. The lower concentration are likely attributable to two factors. First, although some site constituents have apparently migrated to Gordon's Creek from the Fill Area, Gordon's Creek did not receive discharge or runoff from wood treating operations during operational times. In addition, site constituents are less likely to adhere to the sandy sediments in Gordon's Creek than to the clayey bottom of the northeast drainage pathway.

4.3 Other Onsite Areas

Data from the following samples collected during the Phase II RI activities were used to further delineate the nature and extent of affected media within other onsite areas:

- 43 soil samples from 16 Geoprobe borings (GEO-03, GEO-10, GEO-13, GEO-16 through GEO-18, and GEO-24 through GEO-33);
- Four ground water samples from monitoring wells installed during the Phase I RI (MW-01 and MW-03 through MW-05);

4.3.1 Soil

During the Phase I RI, 18 surface soil samples (i.e., samples from the zero to 1-foot depth interval) were collected from unpaved areas of the site and were analyzed to determine the presence and concentrations of wood treating constituents in near surface soil. Extremely low concentrations of PAHs were reported in all but two of these surface soil samples. During the Phase II RI, samples from deeper intervals were collected at the six surface soil sampling locations that exhibited the highest benzo(a)pyrene equivalence values during the Phase I RI (locations SS-03, SS-10, SS-13, SS-16, SS-17, and SS-18). At all six locations, samples were collected from the 2- to 3-foot and 5- to 6-foot depth intervals to determine the vertical extent of constituents in soil. In addition, a sample was collected from zero to 1 foot at location SS-13 in an attempt to replicate the Phase I result.

At locations GEO-03 and GEO-16 through GEO-18, no target constituents were reported in samples from the 2- to 3-foot and 5- to 6-foot intervals. At locations GEO-10 and GEO-13, benzo(b)fluoranthene was reported in the deeper intervals, but was present at levels significantly lower than in surface soil samples. These results show that target constituents at these six locations are essentially confined to only near surface soil. Concentrations of target constituents in GEO-13/0'-1' were three to four times greater than those reported in Phase RI sample SS-01. Although this difference is significant, the reported values from the two events are within the same order of magnitude.

Borings GEO-24, GEO-26, GEO-32, and GEO-33 were advanced within areas that had not previously been sampled to provide additional site coverage. Samples were collected from the zero to 1-foot, 2- to 3-foot, and 5- to 6-foot depth intervals.

No target constituents were reported in any of the three samples from GEO-24 or GEO-26. Borings GEO-32 and GEO-33 were advanced within areas that were historically used for the storage of treated wood; GEO-33 may have actually been advanced within the former "drip track" area. Low concentrations of target constituents were reported in two of the three samples collected from GEO-32. Elevated concentrations of target constituents were reported in the zero to 1-foot sample from GEO-33. However, constituent concentrations decreased dramatically in the 2- to 3-foot sample, and were almost non-detect in the 5- to 6-foot sample. This observation is consistent with experience at other wood treating sites, that is that constituents within former treated wood storage areas are typically confined to the upper several feet below grade.

Soil samples were collected at locations GEO-25 and GEO-27 to verify the results of previous studies. During a 1994 study of the Ryan/RSCO property by Bonner Analytical Testing Company (BATCO), two borings (BH #3 and BH#4) were advanced near the intersection of West Pine Street and Timothy Lane; three borings (BH#8, BH#9, and BH#10) were advanced within the fenced area behind Ryan Mitsubishi. No target constituents were reported in soil samples from BH#3, BH#4, or BH#9; low concentrations of target constituents were reported in soil samples from BH#8 and BH#10.

The soil samples from the borings in the Bonner study were generally composite samples, therefore a comparison to results from discrete grab samples is difficult. No target constituents were reported in any of the three samples collected from GEO-27, located within the fenced area behind Ryan Mitsubishi. A single target constituent, benzo(b)fluoranthene, was reported above the laboratory limit of quantitation in the zero to 1-foot sample from GEO-25, located near the intersection of West Pine and Timothy. No target constituents, however, were reported in samples from the 2- to 3-foot and 5- to 6-foot intervals.

Numerous subsurface soil samples were collected in the area at the northeast end of the former Gibson's Shopping Center during two BATCO studies conducted in 1994 and 1995. This area is known to have been utilized historically for the storage of treated wood. Results of previous studies indicate that the target constituents are confined to the

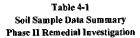
uppermost two feet of soil. Borings GEO-28 through GEO-31 were advanced at the former Gibson's Shopping Center to verify previous results.

Target constituents were reported in the zero to 1-foot samples collected from borings GEO-28 through GEO-30. No target constituents were reported in samples from the deeper intervals in these borings, or from any of the samples collected from GEO-31. These results confirm that target constituents in this portion of the former treated wood storage area are confined to the uppermost two feet of soil.

4.3.2 Ground Water

During the Phase I RI, four monitoring wells (MW-01, MW-03, MW-04, and MW-05) were installed to evaluate water levels and ground water quality on a site-wide basis (i.e., in neither the Process Area or Fill Area). Ground water samples were collected from these four wells as part of the Phase II RI. Samples were analyzed for TCL SVOCs by SW-846 Method 8270. In order to achieve detection limits as low as maximum contaminant levels (MCLs) for public drinking water supplies, samples were also analyzed by SW-846 Method 8310.

No target constituents were reported in any of the four samples analyzed by Method 8270. Several PAHs were reported at extremely low concentrations by Method 8310 analyses. None of the reported values approached any established MCL.



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Analytical Parameter	Registry Number	Units		(2' - 3')		GEO-03 (5' - 6')		(5' - 6')	Duplicate	(a)	(2' - 3')	GEC		(5' - 6')		(0' - 1')		GEO-13 (2' - 3')		(5' - 6')	
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2-chlorophenet	₹ 95-57-8	img/kg	· PDD	(0:037)	U-' N	D (0.037)	THE RESERVE OF THE RE	ing the William Control	(0.038)		D (0.038	20.00	ND	(0.038)	u ND	(0.036)	U ND	(0.039)	iu i	(8E0.0) CD) . U
2-methylnaphthalene 2-methylphenol	91-57-6 95-48-7	mg/kg mg/kg	ND	(0.037) (0.037)				ND ND	(0.038)		ID (0.038 ID (0.038	/	ND DN	(0.038) (0.038)		(0.036)		(0.039) (0.039)		ND (0.038) ND (0.038)	
2-pitroantine	88-74-4	mg/kg	NO	(0,037)	a version than the control of the state of	ES SHOWE WAS REPORTED	CENTRAL CONTRACTOR	NID	(0.038)	July 1978 1972 Bully Bally 1977	(0.038 (0.038	all the second second	ND:	(0.038)	Market was Sittle and committee	(0.036)	LINESPELLE SELECTION AND THE TAXABLE PARTY OF THE PARTY O	on with management.	THE MAY BEN WILLIAM THE T	ND (0.038)	William marks
2 nitrophenol	A THE DAY OF THE PARTY OF	mg/kg	ND.	(0.073)	DIAMES AND THE PROPERTY OF THE	IIII.	a ment of bearings of the Pri	A114	(0.075)	name of the state	ID (0.076	Otto do de amante 1931 anticas o	MD	(0.076)		(0.072)		the property of the second	Marian man and annual and	VD (0.076)	eco.
3,3'-dichlorobenzidine 3- and 4-methylphenol	91-94-1 106-44-5	mg/kg mg/kg	ND ND	(0.073)	U N	, ,		ND ND	(0.075) (0.075)		TD (0.076 TD (0.076	,	ND ND	(0.076) (0.076)		(0.072)		(0.078) (0.078)		ND (0.076) ND (0.076)	
3-nuroanuline	99-09-2	mg/kg	, ND	(0,073)	u n	D (0.075)	ี ป -	MD	(0.075)	U 1	ID (0.076) U	ND	(0.076)	U ND	(0.072)	U ND	(0.078)	Ú	VD (0.076))
4:6-dinitro-2-methylphenol 4-bromophenyl phenyl ether	534-52-1 101-55-3	mg/kg mg/kg	ND ND	(0.18)	U N	of the service of contract	mm 4120 mm 1 - 1 - 1 - 1 - 1	ND ND	(0.19) (0.075)	name of a second of	ID (0.19) ID (0.076	A TOTAL PROPERTY OF THE PARTY OF	ND ND	(0.19) (0.076)	mattation is the management and the	(0.1 8) (0.072)	Gelf reservation with TWOs surror surror and	(0.2)	month, the new Market MAY have	ND (0.19) ND (0.076)	min the Man Sept.
4-chloro-3-methylphenol	59-50-7	mg/kg	ND	(0.073)		, , , ,		ND	(0.075)		D (0.076	,	ND	(0.076)		(0.072)		(0.078)	-	VD (0.076)	,
4-chieroanilme	The second section of the sect	THE RESERVE OF THE PARTY OF THE	12 TE 10 44 HE A	(0,037)		COLUMN STREET, SAME OF THE PARTY OF	Charles of the State of the Sta	ND.	(0.038)	42. 36 mm - 1 25-	D (0.038		ND	(0.038)	CLUMP ME SECRETARY	(0.036)			THE PARTY OF THE P	VD (0.038)	1 Page 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4-chlorophenyl phenyl ether 4-nitroaniline	7005-72-3 100-01-6	mg/kg mg/kg	ND ND	(0.037) (0.073)	U N	Commission of Principles and		ND	(0.038) (0.075)	THE SAME WHICH THE WILL	ID (0.038 ID (0.076	Sent man - Principle of	ND ND	(0.038) (0.076)	The same of the sa	(0.036) (0.072)	RATE Laws many clean city to many others are a	(0.039) (0.078)	at married man, 4.7 printing	VID (0.038) VID (0.076)	MAIL MAIN HAIR STATE
4-nitrophenol	100-02-7	mg/kg	ND	(0.18)	U N	D (0.19)	U	ND	(0.19)	1 U	D (0.19	Ú	ND	(0.19)	U ND	(0.18)	U ND	(0.2)	U I	VD (0.19)	U
асепаритьсте acenaphthylene	83-32-9 208-96-8	mg/kg mg/kg	ND ON	(0.037) (0.037)	The place of the party of	THE PERSON NAMED IN	PROPERTY AND ADDRESS.	ND ND	(0.038)	Market State of the State of th	ID (0.038 ID (0.038	A CHARLING HAR THE	7D 7D	(0.038) (0.038)) ND		THE RESERVE OF THE PARTY OF THE	ND (0.038) ND (0.038)	Strike Hill Cont.
anthracene	120-12-7	mg/kg	ND	(0.037)	Management of the state of the			ND	(0.038)		ID (0.038		ND	(0.038)	The state of the s	(0.036)	ND	(0.039)		VD (0.038)	
benzo (a) anthracene	56-55-3 50-32-8	mg/kg	ND	(0.037)	ANNEXTED AND ARRESTS OF STREET	ere san ann menemarann	TO LONG STREET	ND	(0.038)	CONTRACTOR CONTRACTOR	D (0.038	namental community	CONTRACTOR	(0.038)	DECRETE ON DESCRIPTION OF THE	(0.18)	0.04	moved accommend	Junioren Statisten men 2000.	ND (0.038)	an arm arm eges de
benzo (a) рујеле benzo (b) Пиотаnthene		mg/kg mg/kg	BROWN TO BE	(0.037) (0.037)			Harry Co. Carlotte, and the control of the control	אם פא	(0.038)		ID (0.038 4 (0.038	T	ND 0.39	(0.038)	U 5,2 9.2	(0.18)	ND 0.45	(0.039) (0.039)	CERCIONERS CENTRAL	VID (0.038) VID (0.038)	10 miles (81) (25)
benzo (ghi) perylene	191-24-2	mg/kg	ND	(0.037)	U N	D (0.037)	U	ND	(0.038)	STATE OF THE PARTY OF	TD (0.038	Region value and resident	ND	(0.038)	constitution of the state of th	(0.036)	ND	(0.039)	manual country difficie	VD (0.038)	annah da sar
benzo (k) fluoranthene bis (2-chlomethoxy) methabe	207-08-9 111-91-1	mg/kg mg/kg	ND ND	(0.037) (0.073)	INTERNATIONAL DESCRIPTION OF THE PARTY COMPANY OF T	D (0.037) D (0.075)	contracted from their seal	ND ND	(0.038) (0.075)	220 (4.0) (0.0) (0.0)	33 (0.038 ID (0.076	sensitive memorial and	0.33 ND	(0.038) (0.076)	THE TAX AND ADDRESS OF BUILDING	(0.036) (0.072)	0.35 U ND	two seriosal assumentations sixt	METADO CINADA ANDROS	ND (0.038) ND (0.076)	for one case, manual
bis (2-chloroethyl) ether		mg/kg	HE SECTION AND SECTION	(0.037)		D (0.037)	MARKET STATE OF STREET	ND	(0.038)	otes sai, ii de delle sai	ID (0.038	SHOW THE RESERVE	ND	(0.038)		AND THE RESERVE		383-00 to 33 and 16	1 To	(0.038) DV (0.038)	
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND	(0.073)		, ,		ND	(0.075)		ID (0.076	,	ND	(0.076)		(0.072)		, ,		.37 (0.076)	
butyl benzyl phthalate	85-68-7 86-74-8	mg/kg mg/kg	ND ND	(0.073) (0.037)	U N	reconsideration and representation	COLUMN STREET, SAN	ND ND	(0.075) (0.038)	CONTRACTOR STATEMENT	D (0.07 6 D (0.038	nini 900 man man ne	ND ND	(0.076) (0.038)	NOT THE OWNER OF STREET, MAIN THE RESERVE	(0.072) (0.036)	e seal 2001 the control of our sure	oration movements and	consumerable or or tree plant	ND (0.076) ND (0.038)	fu uzanimum mana uz
chrysene	A CASH DEPOSIT SHIP SHE AND A	mg/kg	ND	(0.037)	UJ N	D (0.037)	ATTENDED TO SERVICE STREET	ND	(0.038)	AND SERVICE OF THE PROPERTY OF THE PARTY OF	(0.038	CESS THAT HE WARREN	通受性 32.350 468 3	(0.038)	2012 St. 40 St. 30	(0.18)	0.05	Simple Committee of the	County in the sales with a first time.	ND (0.038)	St. iii 1. t. U 1.95 t
di-n-butyl phthalate di-n-octyl phthalate	84-74-2 117-84-0	mg/kg mg/kg	ND ND	(0.073)		, ,		ND ND	(0.075) (0.075)		ID (0.076 ID (0.076	-		(0.076) (0.076)		(0.072) (0.072)				VD (0.076)	
dibenz (a,h) anthracene	53-70-3	mg/kg	POPULATION OF BUILDING	(0.037)	DOMESTIC ORDER OF STREET STREET	auturen nähann ved half	ORDERSKE ARRESTED FOR THE STATE OF	CONTRACTOR OF THE PARTY OF	(0.038)		D (0.038	salam Affermaneur (1905), and		(0.038)		(0.036)	שא	oraced sea anaseesin	SMAN OF STOLEN AND AREA	ND (0.076) ND (0.038)	Berger S. Lamin, B.
dibenzofinan diethyl phthalate		mg/kg mg/kg		(0.037)	No. of the Australia of the Control of the	D (0.037)	4 62 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		(0.038)		D (0.65		ND	(0.038)	U 0.672	(0.036)		(0.039)	U	ND (0.038)) U
dimethyl phthalate		mg/kg mg/kg	ND	(0.073) (0.073)		, ,		ND ND	(0.075) (0.075)		ID (0.076 ID (0.076	-		(0.076) (0.076)		(0.072)		, ,		ND (0.076) ND (0.076)	
iluoranthene		SIMP WINDS TO THE	STRUMP OF SELECTION	(0.037)	City and City and State Carry Table	D (0. 037)	U	ND	(0.038)	U N	ID (0.038	j U	ND	(0.038)	U 12	(0.18)	0.05	ออสาทใกษณฑยอกสาทีย		VID (0.038)	Community and the Community of the Commu
fluorene hexachlorobenzene		mg/kg mg/kg		(0.037) (0.037)	THE SAME TO SERVICE THE SAME	D (0.037) D (0.037)	minantaria maranati (ND	(0.038) (0.038)	and the second second second	ID (0.038 ID (0.038	Partie and the same and the sam	the second secon	(0.038) (0.038)		(0.036)	marries and marring and also	(0.039) (0.039)	CONTRACTOR OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND	MD (0.038) MD (0.038)	,
hexachlorobutadiene	87-68-3	mg/kg	MD	(0.073)	U N			ND	(0.075)	U N	D (0.076			(0.076)		(0.072)				ND (0.076)	
hexachlorocyclopentadiene hexachloroethane		mg/kg mg/kg	ALC: NO. 191	(0.18) (0.037)	DIRECTOR SAME BUT AND	D (0.19)	Control of the Section of the Lorentz Control		(0.19)	W. Law (04) - 100 - 100 - 100	ID (0.19	the state of the last of the same of	Office State Print of the Control	(0.19)	Control of the Contro	(0.18)	Maria Carriero del Albuman del Co	Light II I Shell Hard	2. 1. 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	VD (0.19)	-1101 PER 1991-1991
indeno (1,2,3-cd) pyrene		mg/kg		(0.037)	ACCORDING TO THE OWNER OF THE PERSON OF THE	D (0.037) D (0.037)			(0.038)	· · · · · · · · · · · · · · · · · · ·	ND (0.038 ND (0.038			(0.038) (0.038)		(0.036) (0.036)	U ND ND	anamer day - hanan metal		VD (0.038) VD (0.038)	
isophorone	78-59-1	mg/kg	ND	(0.037)	ADMINISTRAÇÃO DE OPERAÇÃO A SANTONIO	Official Committee of the Committee of t	nem vocumentarios	ND	(0.038)	U N	D (0.038	B) U	ND	(0.038)	U ND	(0.036)	U ND	(0.039)	U I	ND (0.038)	U U
N-nitrosodi-n-propylamine N-nitrosodiphenylamine	Halletin (Principal State Balletin)	mg/kg mg/kg	AND THE RESERVE	(0.037) (0.037)	STORY OF THE REAL PROPERTY AND THE PROPERTY AND THE REAL PROPERTY AND THE PROP	D (0,037) D (0,037)		Ullia lietti. TII. liin (III) (1	(0.038) (0.038)	err your made your all their my	ID (0.038 ID (0.038	2 300 allen avan - 1900		(0.038) (0.038)		(0.036) (0.036)	AND ADMITTHE WHEN THE PARTY OF	(0.039) (0.039)	PERSONAL PROPERTY OF THE PERSON OF	(8E0,0) OF (8E0,0) OTV	ON BUILDING TO
naphthalene	91-20-3	mg/kg	ND	(0.037)	U N	D (0.037)	U		(0.038)		D (0.038			(0.038)		(0.036)			in in the semidule	VD (0.038)	access and the same
nitrobenzene pentachlorophenol	98-95-3 87-86-5	mg/kg mg/kg	HAN SHEET COMMUNICATION OF THE P.	(0.037) (0.18)	THE SECRETARY OF STREET	D (0.037) D (0.19)	and the second section of the second second	ND Mh	(0.038) (0.19)		D (0.038	Carrie de Armanes de la companya della companya de la companya della companya del	OTHER DESIGNATION AND DESIGNATION OF	(0.038)		ร ร. เริ่มเกายคนะสมหรับก	uru dasantusuru urasithi nirii ne	t man alou vers ann mar a	TO DESCRIPTION OF THE PARTY OF	VD (0.038)	10711 HITS HALL
phenanthrene		mg/kg	"THE REPORT OF THE PERSON AND PARTY.	(0.037)	100 Sept. 100 Se	D (0.037)	MILITARY TO A HIND PROPERTY.	districts about diffe.	(0.19)	CH THAT THE COMMENT	ID (0.19 ID (0.038	APPROPRIEST AND LOSS OF		(0.19) (0.038)		(0.18) (0.036)	U MD	CONTRACTOR OF CO	Company of the Compan	VD (0.19) VD (0.038)	A DESCRIPTION OF
phenol	108-95-2	mg/kg		(0.073)		(0.075)		0.26	(0.075)	J N	D (0.076) U	0.11	(0.076)	1 ND	(0.072)	U ND	(0.078)	U	ND (0.076)) U
ругеле	129-00-0	mg/kg	ND	(0.037)	U N	D (0.037)	U	МĎ	(0.038)	UN	D (0.038) U	ND	(0.038)	U 14	(0.18)	0.06	3 (0.039)	J i	VD (0.038)	U
Other Parameters		36 No. 15 July 483	nerusies	د الله الهامية اللهامة الله	CONTAINAMENTAL SOUTH		grande sa	u, 1950-3881, Sant-ore	Laboreran	Subjects 886 com	SSCAR OFFICE OF A PART OF A	ZII. onb.ib-British or	Openioni Proveno	GI KEJARDERPENA - DAN		SHALL COLORS	mary Silgman a Lauren	WELSHAT L	CHIRADO TO ALCONOMI	GA tomoro — a non-mo e a	MANUTAL
Moisture Content (c)		VI. V	ER14	(U.T.)	40	(80.09)		11.3	(0.08)	T. A. P.	.7 (0.08		12.8	(0.08)	7 58	(0.08)	14.8	(0.08)		2.5 (0.08)	

Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

- (a) Listed on chain-of-custody documentation as sample GEO-34/2'-3'.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- U qualifier denotes not detected.
- qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UI qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

Table 4-1 (Continued) Soil Sample Data Summary Phase II Remedial Investigation

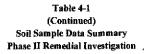
Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS	Sample Identifier											
	Registry		(0) (0)	GEO-16	(5) (1)	(01, 21)	GEO-17	(8) (0) Danking (a)					
Analytical Parameter TCL Semivolatile Organics (b)	Number	Units	(2' - 3')		(5' - 6')	(2' - 3')	(5' - 6')	(5' - 6') Duplicate (a)					
1,2,4-trichlorobenzene 1,2-dichlorobenzene	120-82-1 95-50-1	mg/kg mg/kg	ND (0.038 ND (0.038			ND (0.037) U ND (0.037) U	ND (0.038) U	ND (0.038) U ND (0.038) U					
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038		, , ,	ND (0.037) U	ND (0.038) U	ND (0.038) U					
1,4-dichlorobenzene 2,2-oxybis (1-chloropropane)	106-46-7 108-60-1	mg/kg mg/kg	ND (0.038 ND (0.038	CONTRACTOR OF SECURITIES	anima ng marata at a	ND (0.037) U ND (0.037) U	ND (0.038) U ND (0.038) U	ND (0.038) U ND (0.038) U					
2.4.5-trichlorophenet		my/ky	ND (0.076			ND (0.075) U	10D (0.077) Ù	100 (0.075) U					
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.076		` '	ND (0.075) U	ND (0.077) U ND (0.077) U	ND (0.075) U ND (0.075) U					
2,4-dichlorophenol 2,4-dimethylphenol	120-83-2 105-67-9	mg/kg mg/kg	ND (0.076 ND (0.076	CHURAN-BROTHMORPHOPS COST IN	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY.	ND (0.075) U NO 10.075) U	ND (0.077) U ND (0.077) U	ND (0.075) U ND (0.075) U					
2.4-dinitrophenol	51-28-5	mg/kg	ND (0.22)	U NE) (0, 2 3) UJ	ND (0.22) UJ	. ND (0,22) Ui	Cont. On comment of the second section of the section o					
2,4-dinitrotoluene 2,6-dinitrotoluene	121-14-2 606-20-2	mg/kg mg/kg	ND (0.076 ND (0.038		, ,	ND (0.075) U ND (0.037) U	ND (0.077) U ND (0.038) U	ND (0.075) U ND (0.038) U					
2-ënlarëna phtha lenë 2-chlorophenol	91-58-7	mg/kg mg/kg	ND (0.038 ND (0.038	u "kt	î (0.04) U	"ND (0.037) U	ND (0.038) U ND (0.038) U	ND (0.038) U					
2-methylnaphthalene	91-57-6	mg/kg	ND (0.038	,	, ,	ND (0.037) U	ND (0.038) U	ND (0.038) U					
2-methylphenol 2-nitroanline	95-48-7 88-74-4	mg/kg mg/kg	ND (0.038	and the common space of the common state of the common space of th	CONTROL SECTION AND ADDRESS OF THE PARTY OF	ND (0.037) U ND (0.037) U	U (850.0) DN U (850.0) DN	ND (0.038) U ND (0.038) U					
2-nitrophenol 3,3'-dichlorobenzidine	88-75-5 91-94-1	mg/kg mg/kg	ND (0.076 ND (0.076		an animal specific arms and animal an	ND (0.075) U ND (0.075) U	ND (0.077) U ND (0.077) U	ND (0.075) U ND (0.075) U					
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.076	a TREATMENT OF THE PROPERTY OF THE PARTY OF	a a company and the same of the same and the	ND (0.075) U	ND (0.077) U	ND (0.075) U ND (0.075) U					
4,6-dinitro-2-methylphenol		mg/kg mg/kg	ND (0.076 ND (0.19)		MARINE STATE	ND (0.075) U ND (0.19) UI	ND (0.077) U ND (0.19) LL						
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.076	U NE	(0.079) U	ND (0.075) U	ND (0.077) U	ND (0.075) U					
4-chloro-3-methylphenol	59-50-7	mg/kg mg/kg	ND (0.076 ND (0.038	(C.)	no succession and management over the	ND (0.075) U ND (0.037) U	ND (0.077) U ND (0.038) U	ND (0.075) U ND (0.038) U					
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038			ND (0,037) U	ND (0.038) U	ND (0.038) U					
4-nitroaniline 4-nitrophenol	100-01-6 100-02-7	mg/kg mg/kg	ND (0.076 ND (0.19)	•		ND (0.075) U ND (0.19) U	ND (0,077) U ND (0,19) U	ND (0.075) U ND (0.19) U					
acenaphthene	83-32-9	mg/kg	ND (0.038	NAME OF THE PARTY OF THE OWNER, ASSESSMENT OF THE PARTY O	rusan annumin suur selev teet tata saat	ND (0.037) U	ND (0.038) U	ND (0.038) U					
acenaphthylene anthracene	208-96-8 120-12-7	mg/kg	ND (0.038 ND (0.038	RECOVERED THE RESPONSE OF A STREET	алалы төргүн ичигжилий иштан	ND (0.037) U ND (0.037) U	ND (0.038) U ND (0.038) U	ND (0.038) U ND (0.038) U					
benzo (a) anthracene	56-55-3	mg/kg mg/kg	ND (0.038	,	1. 1	ND (0.037) U ND (0.037) U	ND (0.038) U	ND (0.038) U					
benzo (a) pyrene benzo (b) fluoranthene	TO HOME YOUR TO A CARD ON THE REAL PROPERTY.	mg/kg mg/kg	ND (0.038 ND (0.038	Country was a service of the service of	23 Aug 50 Sept 688 1280 MB 228 328 3	ND (0.037) U ND (0.037) U	ND (0,038) U ND (0,038) U	THE RESERVE OF THE PROPERTY OF					
benzo (ghi) perylene benzo (k) fluoranthene	191-24-2 207-08-9	mg/kg mg/kg	ND (0.038 ND (0.038	,	,	ND (0.037) U ND (0.037) U	ND (0.038) U ND (0.038) U	ND (0.038) U ND (0.038) U					
bis (2-chloroethoxy) methane	ARRESTS CHARLES ON THE CO.	mg/kg	ND (0.076	TOTAL SECURIOR AND APPROPRIATE AND APPLICATIONS AND APPLICATION OF THE PARTY AND APPLICATION OF THE PAR	promoter was detailed in more we	ND (0.075) U	ND (0.077) U	to their view new need to be a contract of the property of the contract of the					
bis (2-chloroethyl) ether	Control of the Assessment Control	mg/kg	ND (0.038	Paramanent der mit informetin	Difference of the section of the sec	ND (0.037) U	NTD (0,038) U	contribution and accompanies of the section of the					
bis (2-ethylhexyl) phthalate butyl benzyl phthalate	117-81-7 85-68-7	mg/kg mg/kg	ND (0.076 ND (0.076			ND (0.075) U ND (0.075) U	ND (0.077) U ND (0.077) U	ND (0.075) U ND (0.075) U					
carbazole	86-74-8	mg/kg	ND (0.038	AND THE REAL PROPERTY OF THE PARTY OF THE PA	Committee of the second second second	ND (0.037) U	ND (0.038) U	ND (0.038) U					
di-n-butyl phthalate	218-01-9 84-74-2	mg/kg mg/kg	NID (0.038 ND (0.076	enter a communitation of the state of the st	CONTRACTOR OF THE SECOND	ND (0.037) UJ ND (0.075) U	ND (0.038) U) ND (0.077) U	ND (0.038) 11 ND (0.075) U					
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.076	U NE	(0.079) U	ND (0.075) U	ND (0.077) U	ND (0.075) U					
diberiz (a.h) anthiacene dibenzofuran	CONTRACTOR CONTRACTOR OF THE PARTY OF THE PA	ing/kg mg/kg	ND (0.038 ND (0.038			ND (0.037) U ND (0.037) U	U (8E00) QK U (8E00) QK	ND (0.038) U ND (0.038) U					
diethyl phthalate	84-66-2	mg/kg	ND (0.076) U NE	(0.0 7 9) U	ND (0.075) U	ND (0.077) U	ND (0.075) U					
dimethyl phthalate	131-11-3 206-44-0	mg/kg mg/kg	ND (0.076 ND (0.038		n anguencia com antificione sume successor	ND (0.075) U ND (0.037) U	ND (0.077) U ND (0.038) U	ND (0.075) U ND (0.038) U					
fluoranthene fluorene hexachlorobenzene	86-73-7 118-74-1	mg/kg mg/kg	NID (0.038 ND (0.038) U NI) (0,04) U	ND (0.037) U ND (0.037) U	ND (0.038) U ND (0.038) U						
hexachlorobutadiene	87-68-3	mg/kg	ND (0.076	U NE	(0.079) U	ND (0.075) U	ND (0.077) U	ND (0.075) U					
hexachloroeyclopentadiene hexachloroethane	77-47-4 67-72-1	mg/kg mg/kg	ND (0.19) ND (0.038	BULL STORY STREET, THE PROPERTY OF THE PARTY	. num-pag (1997-1996) (1976-1996) (1997-1997)	ND (0.19) U ND (0.037) U	ND (0.19) U ND (0.038) U	ND (0,19) U ND (0,038) U					
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.038	Section and Assessment of the	1 -1 20-20-20-20-A con the of Mark Strate Strategies	ND (0.037) U	ND (0.038) U	ND (0.038) U					
isophorone N-mitrosodi-n propylamine	78-59-1	mg/kg	ND (0.038		(0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U					
N-mitrosodi-n-propylamine N-mitrosodiphenylamine		mg/kg mg/kg	ND (0.038 ND (0.038			ND (0.037) U ND (0.037) U	ND (0.038) U ND (0.038) U	OPENING THE SECOND PROPERTY AND MESSAGE THE SECOND					
naphthalene	91-20-3	mg/kg	ND (0.038) U NE	(0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U					
nitrobenzene pentachlorophenol	98-95-3 87-86-5	mg/kg mg/kg	ND (0.038 ND (0.19)		no, mano na na serio, etian ettatorinar mere ever	ND (0.037) U ND (0.19) U	ND (0,038) U ND (0,19) U	ND (0.038) U ND (0.19) U					
phenanthrene	85-01-8	mg/kg	ND (0.038) U NI) (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U					
phenol pyrene	108-95-2 129-00-0	mg/kg mg/kg	ND (0.076 ND (0.038			0.096 (0.075) J ND (0.037) U	0.19 (0.077) J ND (0.038) U	0.27 (0.075) J ND (0.038) U					
						, , -	, -	, ,					

Other Parameters

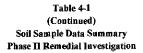
Moisture Content (c) N.A. wt. % 12.3 (0.08) 15.7 (0.08) 11.0 (0.08) 13.2 (0.08) 11.6 (0.08)

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample GEO-34/5'-6'.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations. (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.
- R qualifier denotes unusable result identified during data validation quality assurance review, compound may or may not be present in the sample.



CAS		Sample Identifier	
Registry Analytical Parameter Number Units	GEO-18 (2' - 3') (5' - 6')	GEO-19 (0' - 1') (2' - 3') (5' -	-6')
TCL Semivolatile Organics (a)	(3-0)	(0-1) (2-3)	
1,2,4-trichlerobenzene 120-82-1 mg/kg 1,2-dichlerobenzene 95-50-1 mg/kg			038) U 038) U
1,3-dichlorobenzene 541-73-1 mg/kg			038) U
1,4-dichlorobenzene 106-46-7 mg/kg 2,2"-oxybis (1-chloropropane) 108-60-1 mg/kg 2,4,5-trichloroprenol 95-95-4 mg/kg	ND (0.038) U ND (0.038) U	ND (0.037) U ND (0.037) U' ND (0.	038) U 038) U 075) U
2,4,6-trichlorophenol 88-06-2 mg/kg	, , ,	. , , , , , , , , , , , , , , , , , , ,	075) U
2,4-dichlorophenol 120-83-2 mg/kg 24-dimethylphenol 05-67-9 mg/kg	ACONDO MINORIO (1997 IN 1997). NA LA LA DALLA DE LA DESCRIPCIÓN DE LA DESCRIPCIÓN DE LA CARRA DE LA CARRA DE C	на при видения видения видения на принциперации в принце в принце в принце в принце в принце в принце в	075) U 075) U
2.4-dintrophenol 51-28-5 mg/kg 2.4-dintrotoluene 121-14-2 mg/kg	ND (0.22) UJ ND (0.22) UJ	ND (0.22) U ND (0.21) U ND (0.	(22) U (075) U
2,6-dinitrotoluene 606-20-2 mg/kg	TO TO A JACON AND AND THE STATE OF THE STATE		038) U
2-chloronaphthalenc * 91-58-7 : mg/t 2-chlorophenot 95-57-8 mg/ts			038) U 038) U
2-methylnaphthalene 91-57-6 mg/kg	ND (0.038) U ND (0.038) U	0.53 (0.037) 0.062 (0.037) J 0.38 (0.0	.038)
2-methylphenol 95-48-7 mg/kg Z-nitroanilinc 88-74-4 mg/kg		a a aaraa ah ah maranga darah maranga ara aarang marang marang ara aaraa aarang marang marang marang darah ara	038) U 088) U
2-nitrophenol 88-75-6 mg/kg			075) U
3,3'-dichlorobenzidine 91-94-1 mg/kg		, , , , , , , , , , , , , , , , , , , ,	075) U
3- and 4-methylphenol 106-44-5 mg/kg		r den successor de la companya de l	.075) U .075) U
4,6-dinitra 2-methylphenol 534-52-1 mg/kg 4-bromophenyl phenyl ether 101-55-3 mg/kg	ND (0.19) UI ND (0.19) UI	ND (0.18) U ND (0.18) U ND (0	(19) U 075) U
4-chloro-3-methylphenol 59-50-7 mg/kg	ta a la compressa característica a contrata en como con contrata contrata contrata de contrata en contrata en c	a analogica de desenva de enconocida con esta esta en la decida de enconocida de enconocida en esta en esta en	075) U
4-chloroaniline 106-47-8 mg/k; 4-chlorophenyl phenyl ether 7005-72-3 mg/k;		IN THE PERSON OF	038) U 038) U
4-nitroaniline 100-01-6 mg/kg	the control of the co	reministration do and the contract of the first following and an artifacture and the contract of the contract	.075) U
4-nitrophenol 100-02-7 mg/kg acenaphthene 83:32-9 mg/kg	material interest to the analysis of the formula and the treet of the column District and Great the tree treet.	manerica a verbe esta a la acada con con esta esta en menhana a la como esta esta a acada manerica de la como e	0.19) U 038)
acenaphthene 83-32-9 mg/kj acenaphthylene 208-96-8 mg/kj			038) J
anthracene 120-12-7 mg/kg		25 (0.37) 1.6 (0.037) 1.5 (0.037)	.038)
benzo (a) anthracene 56-55-3 mg/kg benzo (a) pyrene 50-32-8 mg/kg	many say ay san ani-ang ban-ag min hin ana ay ata. Ba san ani ani ani ani ag as asi fan ani din ani ani asi	erre ere en aut an dimentifier en amenie amanutit en eneme els ere ent auffan aut au en en araben muniche au	038) 038) J
benzo (a) pyrene 50-32-8 mg/k; benzo (b) fluoranthene 205-99-2 mg/k; benzo (ghi) perylene 191-24-2 mg/k;	ND (0.038) U ND (0.038) U	93 (1.1) 4.4 (0.037) 0.37 (0.	038) J 038) J
benzo (k) fluoranthene 207-08-9 mg/kg		на светина импанения столо столо больных интегнационационного и выправления и интегнационального выправления и	.038) J
bis (2-chloroethoxy) methane 111-91-1 mg/k; bis (2-chloroethy)) other 111-44-4 mg/k;	application of the state of the		.075) U .038) U
bis (2-ethylhexyl) phthalate 117-81-7 mg/kg	ND (0.076) U ND (0.076) U	programment and the programment of the programment	.075) U
butyl benzyl phthalate 85-68-7 mg/kg carbazole 86-74-8 mg/kg		non ann archeolóig (All. an ann aine an mara ann ach 100 MH Mheanaigh an archeolóig agus Alt, an ann ann archeoláigeac	075) U 038)
chryseae 218-01-9 mg/kj	Care de la companya del companya de la companya del companya de la companya del la companya de la companya		.038)
di-n-butyl phthalate 84-74-2 mg/kg	, , ,	, , = ,	.075) U
di-n-octyl phthalate 117-84-0 mg/kg dibenz (a.h) anthracene 53=70-3 mg/kg		с месте, как актыры актыры мебары этеменен жана АШ батыры этер этер этер сесте, как батыры актыры местаны жанабы акт	.075) U .038) U
dibenzofuran 132-64-9 mg/kg	ND (0.038) U ND (0.038) U	0.75 (0.037) 0.078 (0.037) J 1.6 (0.	038)
diethyl phthalate 84-66-2 mg/k _i dimethyl phthalate 131-11-3 mg/k _i			.075) U .075) U
fluoranthene 206-44-0 mg/kg	ND (0.038) U ND (0.038) U	110 (1.1) 5.9 (0.037) 3.5 (0.	038)
flivrene 86-73-7 mg/kj hexachlorobenzene 118-74-1 mg/kj	The same of the sa	······································	038) .038) U
hexachlorobutadiene 87-68-3 mg/kj		ND (0.074) U ND (0.073) U ND (0.	.075) U
hexachlorocyclopentadiene 77-47-4 mg/k hexachloroethane 67-72-1 mg/kg			(19) U
indeno (1,2,3-cd) pyrene 193-39-5 mg/kg	the control of the co	The state of the s	038) U 038) J
isophorone 78-59-1 mg/kg	ND (0.038) U ND (0.038) U	ND (0.037) U ND (0.037) U ND (0.0	038) U
N-nitrasodi-n-propylamine 621-64-7 mg/k; N-nitrasodiphenylamine 86-30-6 mg/k;		BOTH THE THE TREATMENT OF A SECOND OF THE PROPERTY OF THE THE TREATMENT OF THE TREATMENT OF THE SECOND OF THE PROPERTY OF THE TREATMENT OF THE	.038) U .038) U
naphthalene 91-20-3 mg/kg		and a management of the second	.038)
nitrobenzene 98-95-3 mg/kg pentachlorophene 37-86-5 mg/kg	The real residence of the transfer of the tran	ND (0.037) U ND (0.037) U ND (0.0000)	.038) U
pentachlorophenol 87-86-5 mg/kj phenanthrene 85-01-8 mg/kj	and the second of the second s		(19) U .075)
phenol 108-95-2 mg/kg	ND (0.076) U 0.22 (0.076) J	ND (0.074) U ND (0.073) U ND (0.073)	.075) U
pyrene 129-00-0 mg/kg	ND (0.038) U ND (0.038) U	140 (1.1) 7.9 (0.073) 2.2 (0.073)	.038)
Other Parameters Moisture Content (b) N.A. wt. %	11.8 (0.08)	964 (0.08) 8.97 (0.08) 1(.3 (0.	(08) m

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
 (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review

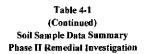


	CAS					Sample	Identifier		
Analytical Parameter	Registry Number	Units	(0' - 1')	(2' - 3')	EO-20 (5' - 6')	(9' - 10')	(0' - 1')	GEO-21	(5' - 6') (9' - 10')
TCL Semivolatile Organics (a)									
1,2,4-trichlorobenzend 1,2-dichlorobenzen		mg/kg mg/kg	ND (0.2) ND (0.2)	ND (0.04) U ND (0.04) U	ND (0.19) ND (0.19)	ND (0.037) U ND (0.037) U	ND (5) ND (5)		D (0.038) U ND (0.04) U D (0.038) U ND (0.04) U
1,3-dichlorobenzen		mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6) N	D (0.038) U ND (0.04) U
1,4-dichlorobenzen 22'-oxybis (1-chloropropane	care expenses our con con a	mg/kg mg/kg	ND (0.2) ND (0.2)	ND (0.04) U ND (0.04) U	ND (0.19) ND (0.19) U3	ND (0.037) U ND (0.037) UI	ND (5) ND (5) U		D (0.038) U ND (0.04) U D (0.038) UJ ND (0.04) UJ
2,4,5-trichloropheno		mg/kg	ND (041)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)		D (0.077) U ND (0.08) U
2,4,6-trichloropheno 2,4-dichloropheno		mg/kg mg/kg	ND (0.41) ND (0.41)	ND (0.079) U ND (0.079) U	ND (0.38) ND (0.38)	ND (0.075) U ND (0.075) U	ND (9.9) ND (9.9)		D (0.077) U ND (0.08) U D (0.077) U ND (0.08) U
2,4 dimethy (pheno	1 105-67-9	mg/kg	ND (041)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	89 (5.1) J 0(n na ann a Ghleachailte an an an Air ann an Calaigean an a
2.4-dimitrophene 2.4-dinitrotoluen		mg/kg mg/kg	ND (12) ND (0.41)	ND (0.23) U ND (0.079) U	ND (1.1) ND (0.38)	ND (0.22) U ND (0.075) U	ND (29) ND (9.9)		D (0.22) U ND (0.23) U D (0.077) U ND (0.08) U
2,6-dinitrotoluen		mg/kg	ND (0.41)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5.5)	• •	D (0.038) U ND (0.04) U
2-chloronaphthaich 2-chloropheno		ing/kg	ND (0.2) ND (0.2)	ND (0.04) U	ND (0.19)		ND (5)		D (0.038) U ' ND (0.04) U D (0.038) U ND (0.04) U
2-methylnaphthalen	• 35 cm mm m m v v m m	mg/kg mg/kg	ND (0.2) 0.27 (0.2) J	ND (0.04) U ND (0.04) U	ND (0.19) - 120 (1.9)	ND (0.037) U = 63 (1.9)	ND (5) 280 (5)	ikani ini ing ita ang ang ang ang ang ang ang ang ang an	D (0.038) U ND (0.04) U .1 (0.038) J 0.44 (0.04)
2-methylpheno	and the SER REPORT DRIVING THE	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	en aa aan di marsimi arre 🕾	D (0.038) U 0.051 (0.04) J
2-nitropheno 2-литорнено	THE RESIDENCE OF THE PARTY OF	mg/kg mg/kg	ND (0.2) ND (0.41)	ND (0.84) U ND (0.079) U	ND (0.19) ND (0.38)	ND (0.037) U ND (0.075) U	ND (5) ND (9.9)	PRINCESSOR OF THE STATE OF RESIDENCE	ID (0.038) U ND (0.04) U ID (0.077) U ND (0.08) U
3,3'-dichlorobenzidin		mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1) N	D (0.077) U ND (0.08) U
3- and 4-methylpheno 3-mitroanilin	diamental com LC and anomalica	mg/kg mg/kg	ND (0.41) ND (0.41)	ND (0.079) U ND (0.079) U	ND (0.38) ND (0.38)	ND (0.075) U ND (0.075) U	ND (9.9)		ID (0.077) U ND (0.08) U ID (0.077) U ND (0.08) U
4,6-dinitro-2-methylpheno		mg/kg	ND (I)	ND (0,2) U	ND (0.95)	MD (0.19) U	ND (25)	art arm at the arm and man an ways. The ere eres arm arm and difference are	D (019) U ND (02) U
4-bromophenyl phenyl ethe 4-chloro-3-methylpheno		mg/kg mg/kg	ND (0.41) ND (0.41)	ND (0.079) U ND (0.079) U	ND (0.38) ND (0.38)	ND (0.075) U ND (0.075) U	ND (9.9) ND (9.9)	, ,	TD (0.077) U ND (0.08) U TD (0.077) U ND (0.08) U
4-chloroanilin	4015 BERTHUR		ND (02)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)		D (0.038) U ND (0.04) U
4-chlorophenyl phenyl etha 4-nitroanilin	and the late and the time to the		ND (0.2) ND (0.41)	ND (0.04) U ND (0.079) U	ND (0.19) ND (0.38)	ND (0.037) U ND (0.075) U	ND (5) ND (9.9)	Committee of the commit	D (0.038) U ND (0.04) U D (0.077) U ND (0.08) U
4-nitropheno	l 100-02-7	mg/kg	ND (1)	ND (0.2) U	ND (0.95)	ND (0.19) U	ND (25)	ND (13) N	ID (0.19) U ND (0.2) U
acenaphthen acenaphthylen		mg/kg mg/kg	ND (0.2) 1.4 (0.2) J	ND (0.04) U ND (0.04) U	100 (1.9) 2.9 (0.19)	53 (1.9) 1.6 (0.037)	190 (5) 47 (5) J		.2 (0.038) 1 0.47 (0.04) D (0.038) U ND (0.04) U
anthracen	e 120-12 -7	mg/kg	2.1 (0.2)	ND (0.04) U	43 (1.9)	22 (1.9)	760 (9.9)	1800 (26) 0.	29 (0.038) J 0.39 (0.04) J
benzo (a) anthracen- benzo (a) pyren	HARRISON AND THE THE TOTAL OF A	mg/kg mg/kg	3.2 (0.2) 3.2 (0.2)	0.04 (0.04) J 0.079 (0.04) J	30 (0.19) 11 (0.19)	15 (1.9) J 52 (1.9) J	280 (5) 230 (5)	essen man materiare erre erre som i som den energe entre materiale som HAL-err	16 (0.038) J
benzo (b) fluoranthen	e 205-99-2	mg/kg	5,6 (0.2)	0.067 (0.04) J	17 (0.19)	78 (19) J	460 (5)	270 (2.6) 0	11 (0.038) J 0.15 (0.04) J
benzo (ghi) perylen benzo (k) fluoranthen		mg/kg mg/kg	2.7 (0.2) 1.8 (0.2) JD	0.045 (0.04) J ND (0.04) U	2.5 (0.19) 6 (0.19)	1.5 (0.037) 3.7 (0.037)	90 (5) 160 (5)	` '	ID (0.038) U ND (0.04) U ID (0.038) U 0.051 (0.04) J
bis (2-chloroethoxy) methan	e 111-91-1	mg/kg	ND (04i)	ND (0.079) U	- ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1) N	D (0.077) U ND (0.08) U
bis (2-chloroethyl) ethe bis (2-ethylhexyl) phthalat	man map was accepted from many re-	mg/kg mg/kg	ND (0.2) ND (0.41)	ND (0.04) U ND (0.079) U	ND (0.19) ND (0.38)	ND (0.037) U ND (0.075) U	ND (5) ND (9.9)	maning approximate and the second	D (0.038) U ND (0.04) U D (0.077) U ND (0.08) U
butyl benzyl phthalat	e 85-68-7	mg/kg	ND (0.41)	ND (0.079) U	ND (0,38)	ND (0.075) U	ND (9.9)	ND (5.1) N	D (0.077) U ND (0.08) U
carbazol chrysen		mg/kg mg/kg	0.6 (0.2)] 3.7 (0.2)	ND (0.04) U 0.05 (0.04) J	24 (0.19) 23 (0.19)	9.5 (1.9) J 12 (1.9) J	230 (5) 290 (5)		21 (0.038) J = 0.24 (0.04) J 14 (0.038) J = 0.19 (0.04) J
di-n-butyl phthalat	e 84-74-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1) N	D (0.077) U ND (0.08) U
di-n-octyl phthalat dibenz (a.h) anthracen		mg/kg mg/kg	ND (0.41) 9.76 (0.2)	ND (0.079) U ND (0.04) U	ND (0.38)	ND (0.075) U 0.5 (0.037)	ND (9.9)		TD (0.077) U ND (0.08) U TD (0.038) U ND (0.04) U
dibenzofura	n 132-64-9	mg/kg	0.34 (0.2)	ND (0,04) U	92 (1.9)	46 (19)	190 (5)		24 (0.038) J 0.49 (0.04)
diethyl phthalat dimethyl phthalat		mg/kg mg/kg	ND (0.41) J ND (0.41)	ND (0.079) U ND (0.079) U	ND (0.38) ND (0.38)	ND (0.075) U ND (0.075) U	ND (9.9) ND (9.9)	• ,	TD (0.077) U ND (0.08) U TD (0.077) U ND (0.08) U
fluoranthen	e 20 6-4 4-0	Name and Address of the Association of the Associat	5.7 (0.2)	0.098 (0.04) 1	150 (1.9)	78 (19)	670 (5)		73 (0.038) 1.1 (0.04)
hexachlorobenzen		mg/kg mg/kg	ND (02) ND (0.2)	ND (0.04) U ND (0.04) U	110 (19) ND (0.19)	54 (19) ND (0.037) U	260 (5) ND (5)		35 (0.038) J 0.62 (0.04) D (0.038) U ND (0.04) U
hexachlorobutadien	e 87-68-3	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1) N	D (0.077) U ND (0.08) U
hexachlorocyclopentadien hexachloroethan		mg/kg mg/kg	ND (1) ND (02)	ND (0.2) U ND (0.04) U	ND (0.95) ND (0.19)	ND (0.19) U ND (0.037) U	ND (25) ND (5)		ID (0.19) U ND (0.2) U ID (0.038) U ND (0.04) U
indeno (1,2,3-cd) pyren	e 193 - 39-5	mg/kg	2.9 (0.2)	0.057 (0.04) J	3.5 (0.19)	2 (0.037)	120 (5)		04 (0.038) J 0.047 (0.04) J
isophoron N-nutrosodi-n-propylamin		mg/kg mg/kg	ND (0.2) ND (0.2)	ND (0.04) U ND (0.04) U	ND (0.19)	ND (0.037) U ND (0.037) U	ND (5)	ariana del Crista del Calda del Calda de Calda d	D (0.038) U ND (0.04) U D (0.038) U ND (0.04) U
N-nitrosodiphenylamio	e 86-30-6	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5) ND (5)		D (0.038) U ND (0.04) U ID (0.038) U ND (0.04) U
naphthalen nitrobenzen		mg/kg mg/kg	0.68 (0.2) J ND (0.2)	ND (0.04) U ND (0.04) U	240 (1.9) ND (0.19)	150 (1.9)	490 (5)	` '	15 (0.038) J 0.86 (0.04)
pentachloropheno	1 87-86-5	mg/kg	ND (I)	ND (0.04) U	ND (0.19)	ND (0.037) U ND (0.19) U	ND (5) ND (25)	reconstruction and compared and market are a market to the contract of the con	D (0.038) U ND (0.04) U D (0.19) U ND (0.2) U
phenantiven pheno		mg/kg mg/kg	1.7 (0.2) J ND (0.41)	an and the state of the state o	300 (1.9)	170 (19)	750 (5)		.4 (0.038) 2.2 (0.04)
-	e 129-00-0	~ ~	ND (0.41) 5.3 (0.2)	ND (0.079) U 0.091 (0.04) I	ND (0.38) 93 (1.9)	0.1 (0.075) J 44 (1.9)	ND (9.9) 650 (5)	` ,	D (0.077) U ND (0.08) U 45 (0.038) 0.7 (0.04)
Other Parameters									
Moisture Content (b)	N.A.	- Wt. %	18.1 (0.08)	16.0 (0.08)	i29 (f.08)	== 11.t : (0.08)	16.0 (0.08)	35.1 (0.08)	.2 (6.08) 16.4 (0.08)

Notes

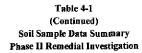
ND denotes "Not Detected" at method detection limit shown in parentheses.

- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.



CAS	Sample Identifier GEO-22 GEO-23										
Registry	GEO-22 (7) (7) (7)										
Analytical Parameter Number Units TCL Semivolatile Organics (a)		(2' - 3') (5' - 6')									
1,2,4-trichtorobenzene 120-82-t mg/kg ND											
1,2-tichlorobenzene 95-50-1 mg/kg ND											
1,3-dichlorobenzene 541-73-1 mg/kg ND 1,4-dichlorobenzene 106-46-7 mg/kg ND											
2,2-exybis (1-chloropropane) [08-60-] mg/kg ND	renderando és es el manda se encombrado e en el la da mara propriedada de escritor da calcular de escritor de C	percanalisamen stelen menera anama anamamanya makili amatemata anama									
2,4,5-trichlorophenol 95-95-4 mg/kg ND		no construction of the state of									
2,4,6-trichlorophenol 88-06-2 mg/kg ND 2,4-dichlorophenol 120-83-2 mg/kg ND											
24-dinethylphenol 105-57-9 mg/kg NO	ен жайтан өөгөө балан арыну оо изменен бой шарай өөгөөгөө жайтын боого бойын	tele sero selle en escapalado ano antico o organiza (SE) IEEE IIII a un sero de C. E.G. de alán na como un sestido									
2,4-dumtrophenol 51-28-5 mg/kg ND	(0.2) U ND (0.24) U ND (0.23) U ND (0.21) U ND	AND THE REAL PROPERTY OF THE P									
2,4-dinitrotoluene 121-14-2 mg/kg ND 2,6-dinitrotoluene 606-20-2 mg/kg ND											
2-ebleronaphthaiene 91-58-7 mg/kg ND		The state of the second st									
2-chlorophenol 95-57.8 mg/kg ND 2-methylnaphthalene 91-57-6 mg/kg 0.03	AND ADMINISTRATION OF THE PROPERTY OF THE PROP	The state of the s									
2-methylphenol 95-48-7 mg/kg ND											
2-nutroamline 88-74-4 mg/kg ND											
	the second control of the second seco	are all the time to be a comment of the time to the ti									
3,3'-dichlorobenzidine 91-94-1 mg/kg ND 3- and 4-methylphenol 106-44-5 mg/kg ND											
3-rotroaniline 99-09-2 mg/kg ND											
4,6-dinitro-2-methylphenol 534-52-1 mg/kg ND 4-bromophenyl phenyl ether 101-55-3 mg/kg ND											
4-bromophenyl phenyl ether 101-55-3 mg/kg ND 4-chloro-3-methylphenol 59-50-7 mg/kg ND	(, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·									
4-chlorozmline 106-47-8 mg/kg ND	(0.034) U ND (0.041) U ND (0.039) UJ ND (0.036) U ND										
4-chlorophenyl phenyl ether 7005-72-3 mg/kg ND 4-nitroaniline 100-01-6 mg/kg ND		i da kangang gapat da 1911 na mangang mangang mangang mangang mangang man									
4-nitroaniline 100-01-6 mg/kg ND 4-nitrophenol 100-02-7 mg/kg ND											
aceraphthene 83-32-9 mg/kg ND	anni de anuncio e e e e e e e e e e e e e e e e e e e	ur unu unu seu seu seu seu sun un runnu cor con con con un unu anu anu ane seu mentre com con con con con con									
acenaphthylene 208-96-8 mg/kg 0.09	terminant and an angular and the company of the com	Nethania angelia (1922) Tay ang ang managan tay ang ang ang ang ang ang ang gang na nagan na na nagan na nagan									
anthracene 120-12-7 mg/kg 0.21 benzo (a) anthracene 56-55-3 mg/kg 0.39		. ,									
benzo (a) pyrene 50-32-8 mg/kg 0.39	aranda en rela senera ambien relación en estás acono en la companión el companión el companión el companión el	mman i direcce e e for a su manual que e e e e e e e e e e e e e e e e e e									
benzo (b) fluoranthenc 205-99-2 mg/kg 0.7: benzo (ghi) perylene 191-24-2 mg/kg 0.28	TO TO SEE THE ORDER THE SEE THE OWN THE SEE THE OWN THE SEE THE SEE THE SEE THE OWN THE SEE THE OWN THE SEE THE OWN THE SEE TH	contraction of the first and the contraction of the contraction of the first and the contraction of the cont									
benzo (ghi) perylene 191-24-2 mg/kg 0.28 benzo (k) fluoranthene 207-08-9 mg/kg 0.21											
bis (2-chloroethoxy) methane 111-91-1 mg/kg ND) (0.08) U ND (0.08) U									
bis (2-chloroethyl) ether 111444 mg/kg ND bis (2-ethylhexyl) phthalate 117-81-7 mg/kg 0.65	The state of the s										
bis (2-ethylhexyl) phthalate 117-81-7 mg/kg 0.65 butyl benzyl phthalate 85-68-7 mg/kg 0.13	() () () () () () () () () ()										
carbazole 86-74-8 mg/kg 0.09		terration and the control of the con									
chrysene 218-01-9 mg/kg 0.4/ di-n-butyl phthalate 84-74-2 mg/kg ND											
di-n-octyl phthalate 117-84-0 mg/kg ND	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,									
dibenz (a.h) anthracene 53-70-3 mo/kg 0.08	4 (0.034); J = 1.5 (0.041); ND (0.039); UJ (0.036); I ND										
dibenzofuran 132-64-9 mg/kg 0.63 diethyl phthalate 84-66-2 mg/kg ND	100 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1										
dimethyl phtholate 131-11-3 mailea ND											
fluoranthene 206-44-0 mg/kg 0.7 fluorene 86-73-7 mg/kg 0.03											
fluorene 86-73-7 mg/kg 0.03 hexachlorobenzene 118-74-1 mg/kg ND	8 (0.034) I 0.66 (0.041) V 0.042 (0.039) J ND (0.036) U 0.05 0 (0.034) U ND (0.041) U ND (0.039) UJ ND (0.036) U ND										
hexachlorobutadiene 87-68-3 mg/kg ND											
hexachlorocyclopenladiene 77-47-4 mg/kg ND											
hexachloroethane 67-72-1 mg/kg ND indeno (1,2,3-cd) pyrene 193-39-5 mg/kg 0,3	在。如此的一一一个大学的一个大学的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	and the control of th									
isophorone 78-59-1 mg/kg ND											
N-nitrosodi-n-propylamine 621-64-7 mg/kg ND	(0.034) U ND (0.041) U ND (0.039) UJ ND (0.036) U ND) (0.04) U ND (0.04) U									
N-nitrosodiphenylamine 86-30-6 mg/kg ND naphthalene 91-20-3 mg/kg 0.09	removes to an experimental for the experimental control of the experimental for the experimen										
nitrobenzene 98-95-3 mg/kg ND	(0.034) U ND (0.041) U ND (0.039) UJ ND (0.036) U ND										
pentachlorophenol 87-86-5 mg/kg ND) (0.2) U ND (0.2) U									
phonanthrene 35-01-8 mg/kg 0.36 phenol 108-95-2 mg/kg ND		······································									
pyrene 129-00-0 mg/kg 0.61	, , , , , , , , , , , , , , , , , , , ,										
Other Purameters		• •									
Moisture Content (b) N.A. wt. % 3 3:	(0.08) [8.3 (0.08) 15 (0.08) 7.36 (0.08) 16.	5 (0.08) 171 (0.08)									

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
 (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- (c) Laboratory was unable to resolve distinct chromatographic peaks for Benzo(b)fluoranthene (B[b]F) and Benzo(k)fluoranthene (B[k]F). Therefore, reported B(b)F result for this sample is the sum total concentration of both isomers.
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.



	CAS					GPO 24						tifier							
	Registry						GEO-24									EO-25			
Analytical Parameter	Number	Units		<u>(0' - 1')</u>			(2' - 3')			(5' - 6')		((0' - 1')			2' - 3')		(5	' - 6')
TCL Semivolatile Organics (a)	and a significant				iii ilaa kirii		ELW SIASE			78 85 H.			A 4300	T.A.	SAIPA S	A DAD		ms	S ASSOCIATED
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND.	(0.038)	U	ND	(0.038)	Ua		(0.037)				U	Entrance inches				0,039) U
1,2-dichlorobenzene 1,3-dichlorobenzene	95-50-1 541-73-1	mg/kg	ND:	(0.038)	2300.000	ND	(0.038)		MD ND	(0.037)			(0.03 8) (0.038)	U	2 mm-mm mm	(0.038) • (0.038)	nan sancometura ara		0.039) U 0.039) U
1,4-dichlorobenzene	106-46-7	mg/kg mg/kg	ND ND	(0.038) (0.038)	U U	ND ND	(0.038) (0.038)	U	ND	(0.037)			(0.038)	U				•	0.039) U
2,21-oxybis (1-chloropropane)	108-60-1	mg/kg	ND ND	(0.038)	was and the second	ND	(0.038)		ND	(0.037)			(0.038)			(0.038)	management of the control of the control		0.039) U
24.5-trichlorophenol	95.95.4	mg/kg	ND	(9.077)		ND	(0.077)		ND	(0.075)			(0.076)			(0.076)			3.078) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND	(0.077)		ND	(0.077)	U	ND	(0.075)		=======================================	(0.076)	U	2.46	(0.076)			0. 078) U
2,4-dichlorophenol	120-83-2	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)		ND I	(0.076)	U	ND	(0.076)	U N	ND (0.078) U
2,4-dimethylphenol	105-67-9	mg/kg	ND	(0.077)	u	MD	(0.077)	U	ND	(0.075)	I) i i i i	ND :	(0.076)	u	ND	(0.076)	v e	ıD (0.0 78) U
2,4-dinitrophenol	51-28-5	mg/kg	ND	(0.22)	U	ND	(0.22)	IJ	MD.	(0.22)	H 1	ND.	(0.22)	U :	ND .	(0.22)	v 1	W i	(0.23) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND	(0.077)	U	ND	(0.077)		ND	(0.075)			(0.076)	U		(0.076)			0.078) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND	(0.038)	U Indiana	ND	(0.038)	granso somemor	ND	(0.037)	de tara in acasan association	ARTER DESIGNATION OF	(0.038)	U	emperature and the second	DE STATE OF THE STATE OF THE STATE	rman man many services		0.039) U
. 2-chloronaphthalone	91-58-7	- mg/kg	· NĐ	*(0.038)	4000-110-110	M. Collision and Appell	(0.038)		, MD.	(0.037)	CIP Justi Alemane Araba de disco	Contraction of the Contraction o	(0:038)	i manamali alizin di Ali	Spri Hiddinidd (CEE)	(0.038)	THE THE TAX PERSONS AND ADDRESS OF THE PARTY.	THE REPORT OF	0.039) U
2-chlorophenol	95-57-8	mg/kg	ND	(0.038)		ND.	(0.038)	n - normal date	MD	(0.037)	An men arm arm arm arm	- beneficient state state of	(0,038)			(0.03B)	n vin inn vinn mit mit		0.039) IJ
2-methylnaphthalene	91-57-6	mg/kg	ND	(0.038)		ND	(0.038)		ИD	(0.037)			• ,	U		(0.038)		•	0.039) U
2-methylphenol 2-nitroaniline	95-48-7 88-74-4	mg/kg mg/kg	ND ND	(0.038) (0.038)	Lance to the color	ND ND	(0.038) (0.038)	MILLION COMPANY	ND ND	(0.037) (0.037)	DECEMBER OF BUILDING OF BUILDI	(423-976928)	(0.038) (0.038)	U	400 (800 (00) (00)	(0.038) (0. 038)	Color of the Associated St.	na maga managang ng b	0.039) U 0. 039) U
2-nitrophenol	88-75-5	ng/kg	ND	(0.07 7)	m-man had a	עא עא	(0.038) (0.077)		עא ND	(0.037) (0.075)	N W W	- annienden	(0.036) (0.076)	u dans wali likir dibi	200 MO-110 M	(0.076)			0.078) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND	(0.077)	- 10231 30510311	ND	(0.077)	iriii sindadide (16)	ND	(0.075)	IIII AIII AIII AIII AIII AIII AIII AII	Himaninian days.	(0.076)	U	I II MILITANI SI PRI I I I I I I I I I I I I I I I I I	toda men amin arata transa	TO SERVICE STREET, STR		0.078) U
3- and 4-methylphenol	106-44-5	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)			(0.076)	Ū		(0.076)		,	0.078) U
3-nitroaniline	99-09-2	mg/kg	ND:	(0,077)		ND	(0.077)	. Ú.	ND	(0.075)			(0.076)	U.	- controlled top graphing	(0.076)			0.078) Ú
4,6-dimitro-2-methylphenol	534-52-1	mg/kg	. ND	(0.19)	IJ	ND	(0.19)	Ŭ.	CM.	(0.19)	. U	ND.	(0.19)	U	ND.	(0.19)	U	JD i	(019) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND	(0.077)	U	ND	(0.077)	U	ND	(0.075)	U I	ND ((0.076)	U	ND	(0.076)	u I	4D (0.078) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND	(0.077)		ND	(0.077)	U	ND	(0.075)			(0.076)	U	- 11211 ment 111-11-11-1	(0.076)	U 1	MD (0.078) U
4-chloroaniline	106-47-8	mg/kg	י מא	(0.038)		- ND	(0.038)	-0-	- ND	(0.037)			(0.038)	U		(0.038)			0.039) U
4-chlorophenyl phenyl ether	7005-72-3		MD	(0.038)		ND	(0.038)	U	M)	(0.037)		Wenning and a second	(0.038)	(District	The rest has been as a second	W-11 - WW 1911	M		0,039) U
4-nitroaniline	100-01-6	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)			(0.076)			(0.076)		•	0.078) U
4-nitrophenol acenaphthene	100-02-7 83-32-9	mg/kg	ND	(0.19) •(0.038)	U Su	ND ND	(0.19)	U	ND	(0.19)	CONTRACTOR OF THE PARTY OF		(0.19) (0.038)	U	ND ND	(0.19) (0.038)	me more description		(0.19) U
and the second s	208-96-8	mg/kg mg/kg	ND ND	(0.038)		UM DV	(0.038) (0.038)		ND ON	(0.037) (0.037)		2000000	(0.038) (0.038)		=	(0.03 8)			0,039) U 0,039) U
anthracene	120-12-7	mg/kg	ND	(0.038)	COSUM Made on	ND	(0.038)		ND	(0.037)		Parimer	(0.038)	J	2	(0.038)			0.039) U
benzo (a) anthracene	56-55-3	mg/kg	ND	(0.038)		ND	(0.038)		ND	(0.037)			(0.038)	ı				`	0.039) U
benzo (a) pyrene	50-32-8	mg/kg	ND.	(0.038)	annoneses es	ND	(0.038)		ND	(0.037)		. Ser aneconer o	(0.038)	eren arecanada	CONTRACTOR OF THE CONTRACT	(0.038)	CONTRACTOR AND ADDRESS OF THE	marii are seel	0.0 39) U
benzo (b) fluoranthene	205-99-2	mg/kg	MD	(0.038)	U	MD	(0,038)	L.	ND	(0.037)	U (),47	(0.038)	(c)	0.039	(0.038) J	(c) 1		0.039) U
benzo (ghi) perylene	191-24-2	mg/kg	ND	(0.038)	U	ND	(0.038)	U	ND	(0.037)	U ().12	(0.038)	J	ND	(0.038)	U ì	VD (0.039) U
benzo (k) fluoranthene	207-08-9	mg/kg	ND	(0.038)		ND	(0.038)		ND	(0.037)	U I	ND .	(0.038) 1	U (c)	ND	(0.038) L	(c) ì	VD (0.039) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND	(0.077)		ND:	(0.077)	Hitch districted to	ND	(0.075)			(0.076)	aformation and analysis	Loan Hall Hell del	(0.076)		fil-multifich-hall.	0.078) U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND	(D:038)	encorporation (. ND	(0,038)	mm-1000-1000-100	ND	(0,037)	****	THE REAL PROPERTY.	(0.038)	U.	=-000 -000 -000 -000	(0.038)	and the second second		0 039) U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)			(0.076)			(0.076)			0.078) U
butyl benzyl phthalate	85-68-7 86-74-8	mg/kg	ND	(0.077) - (0.030)	2511-19411-1915	ND	(0.077)	COLUMN TRANSPORTOR	DN T	(0.075)	i and an incommunity of	MICHEL - MICH. (10)	(0.076)	U	ar HEL STEELSE	(0.076)	AND DESCRIPTION OF STREET		0.078) U
Charrens	218-01-9	mg/kg mg/kg	ND ND	(0.038) (0.038)	231. 121. 151	ND ND	(0.038) (0.038)	e dedicted This	MD	(0.037) (0.037)	0.00.00.00.00.00.00.00.00.00.00.00.00.0	ica inan aleji dili	(0.038) (0.038)	U	ND ND	(0.038) (0.038)		(PH-PH-III-12)	0 039) U 0 039) U
di-n-butyl phthalate	84-74-2	mg/kg	ND	(0.077)	ment term of 61	ND	(0.077)	r and marming	ND	(0.075)		4	(0.076)	THE PERSON NAMED IN COLUMN	PER ALCOHOLOGICAL CONTRACTOR	(0.076)	man and the few star	13 100 000	0.078) U
di-n-octyl phthalate	117-84-0	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)			(0.076)			(0.076)			0.078) U
diberer (a.h) anthracene	53-70-3	mg/kg	ND.	(0.038)	DEFENDANCE OF	- ND	(0,038)	CONTRACTOR OF THE	M25	(0,037)		28 86 96 9	(0.038)	1.77 TO 12. 1		(0.038)	carretenan-bloom	omenome il	C.039) U
dibenzofuran	132-64-9	mg/kg	, ND	(0.038)	g.	אם	(0.038)	comment that draft	ND			and the second	(0.038)			(0.038)	32 000 -000 6		0.039) U
diethyl phthalate	84-66-2	mg/kg	ИD	(0.077)	U	ИD	(0.077)	U	ND	(0.075)	U	ND	(0.076)	U		(0.076)		ND (0.078) U
dimethyl phthalate	131-11-3	mg/kg	ND	(0.077)		ND	(0.077)		ND	(0.075)	U	ND	(0.076)	U		(0.076)		ND (0.078) U
fluoranthene	206-44-0		, ND				(0.038)		- ND	(0.037)		:366:00	(0.038)			(0,038)			0 039) : U
fluorene	86-73-7	mg/kg	UND.			⇒ ND	(0,038)		, ND	(0.037)		and the same of th	(0.038)		6-4-11 man m.m. 2-1	(0.038)			0.039) U
hexachlorobenzene	118-74-1	mg/kg	ND	(0.038)		ND	(0.038)		ND	(0.037)			(0.038)			(0.038)			0.039) U
hexachlorobutadiene hexachlorocyclopentadiene	87-68-3 77-47-4	mg/kg	ND ND	(0.077)		ND	(0.077)		ND	(0.075)	a automorphism contraction and	ce dancem or	(0.076)	20	_ ,	(0.076)		ere zan nas-and	0.078) U
	67-72-1	mg/kg mg/kg	MD MD	(0.19) (0.038)		ND ND	(0.19) (0.038)	STREET, SALES	ND ND	(0.19) (0.037)			(0.19) (0.038)			(0.19) (0.038)			0.19) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND	(0.038)		ND	(0.038)		ND ND	(0.037)		46 1	(0.038)	A		(0.038) (0.038)	The same and the same	demodelende mell	0.039) U 0.039) U
isophorone	78-59-1	mg/kg	ND	(0.038)		ND	(0.038)		ND	(0.037)			(0.038)			(0.038)		•	0.039) U
N-ritrosodi-n-propylamine	621-64-7	mg/kg	ND	mesteration and ho	. mean commune	MD	(0.038)		ND	(0.037)	erenen men m	THE RESIDENCE AND	(0.038)	other state down or or	THE RESERVE OF THE R	(0.038)	0.000000000000000000000000000000000000	COMPANIES AND ADDRESS OF THE PARTY.	0.039) U
N-mtrosodiphenylamine	86-30-6	mg/kg	ND			ND	(0.038)	alland maidel		(0.037)	HP day - P. Lingson Block	. I de divini divini	(0.038)			(0.038)	LORDON DOUBLES	COMMUNICATION OF THE PARTY OF T	0.039) U
naphthalene	91-20-3	mg/kg	ND	(0.038)		ND	(0.038)		ND	(0.037)	C201-7020000	1-23	(0.038)	orandolateratin atm		(0.038)		minimization of the second	0.039) U
nitrobenzene	98-95-3	mg/kg	ND	(0.038)	U	ND	(0.038)	U	ND	(0.037)			(0.038)			(0.038)			0.039) U
pentach lorophenoi		mg/kg	ND	(0.19)	Senio and	The last the same of the same	(0,19)	Wat DOMESTIC	ND	(0,19)	Sinisabili dalli-000-000i-00	12 32 H. H.M. 18 18 1	(0.19)	THE RESERVE THE RESERVE THE		(0.19)		æ.	(0.1 9) U
plenanthrene	85-01-8	mg/kg	ND	(0.038)		name and company	(0.038)	vitali survivi impir uz	ND	(0.037)	COMPANY OF THE PERSON NAMED AND PORT OF THE PERSON NAMED AND PARTY	Sil lumenamide	(0.038)	Little Company in Commission i	ND	(0.038)	U)	D (0.039) U
phenol	108-95-2	mg/kg	ND	(0.077)			(0.077)		ND	(0.075)			(0.076)			(0.076)			0.078) U
pyrene	129-00-0	mg/kg	ND	(0.038)	U	0.041	(0.038)	J	ND	(0.037)	U 0).17	(0.038)	J	ND	(0.038)	U	4D (0.039) U
Other Parameters																			
Moisture Content fb							~~~	iominagous	an ang pagang Si		veers en en de de	A-44.000			## ## ################################	Ci Se adalahan	1955 WHI WAR HAS #191	APRIL PROPERTY	. == 755

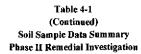
Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- (c) Laboratory was unable to resolve distinct chromatographic peaks for Benzo(b)fluoranthene (B[b]F) and Benzo(k)fluoranthene (B[k]F). Therefore, reported B(b)F result for this sample is the sum total concentration of both isomers.

Moisture Content (b) NA wt % 13.0 (0.08) 12.9 (0.08) 11.0 (0.08) 12.3 (0.08) 12.1 (0.08) 14.4 (0.08)

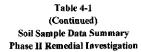
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.



CAS	OPP 76	Sample Identifier	Sample Identifier GEO-27								
Registry Analytical Parameter Number Ur	GEO-26 (0' - 1') (2' - 3')	(5' - 6') (0' - 1')	(2' - 3') (5' - 6') (5' - 6') Duplicate (a)								
TCL Semivolatile Organics (b) 1,2,4-trichlorobenzene 120-82-1 mg	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
A AL DO DE PROTECCIO DE TOPO DE PERSONA DA DESCRIPCIO DE DE CONTROL CA DA CALON CONTROL CONTROL CALON CONTROL CA DA CALON CONTROL CA DA CALON CONTROL CA DA CALON CONTROL CA DA CALON CONTROL CALON CONTROL CALON CONTROL CA DA CALON CONTROL CA DA CALON CONTROL CA DA CALON CALON CALON CALON CALON CA DA CALON	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.078) U ND (0.079)	COLD DECISION D. L. C.	ND (0.072) U ND (0.073) U ND (73) U ND (0.072) U ND (0.073) U ND (73) U								
2.4-dichlorophenol 120-83-2 ms	g/kg ND (0.078) U ND (0.079) g/kg ND (0.078) U ND (0.079)	` ,	ND (0.072) U ND (0.073) U ND (73) U ND (0.072) U ND (0.073) U ND (73) U								
	g/kg ND (0.078) U ND (0.079)		ND (0.072) U ND (0.073) U ND (73) U								
The state of the s	g/kg ND (0.23) U ND (0.23) g/kg ND (0.078) U ND (0.079)	to the mandard and against managements are a constitution of the management and any analysis from the management and any and and any any and any any and any and any any and any any and any and any and any and any any and any and any any and any any and any and any and any any and any any and any and any any and any any and any any and any any and any and any any and any any and any any and any and any any any any and any	ND (0.21) U ND (0.21) U ND (210) U ND (0.072) U ND (0.073) U ND (73) U								
CONTROL OF THE STATE OF THE SECOND SECTION AND THE SECOND SECTION OF THE SECOND SECOND SECTION OF THE SECOND SECTION OF THE SECOND SECOND SECTION OF THE SECOND SECON	g/kg ND (0.039) U ND (0.039)	em era ala ala ala um ura senciam din ant ara este usa era cal ala alam ura munum mendiri 666 00 dibuar escrete 30	ND (0.036) U ND (0.037) U ND (36) U								
The section of the territory of the property o	g/kg ND (0.039) + U + +** ND (0.039) g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
2-methylnaphthalene 91-57-6 mg	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)	a provincia ca se e e e e e e e e e e e e e e e e e e	ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
2-mtropheno) 88-75-5 mg	g/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (6,072) U ND (0.073) U ND (73) U								
	g/kg ND (0.078) U ND (0.079) g/kg ND (0.078) U ND (0.079)		ND (0.072) U ND (0.073) U ND (73) U ND (0.072) U ND (0.073) U ND (73) U								
3-nitroantine 99-09-2 me	g/kg ND (0.078) U ND (0.079)	U ND (6078) U ND (6073) U	ND (0.072) U ND (0.073) U ND (73) U								
	g/kg ND (0.19) U ND (0.2) g/kg ND (0.078) U ND (0.079)	U ND (0.19) U ND (0.18) U U ND (0.078) U ND (0.073) U	ND (0.18) U ND (0.18) U ND (180) U ND (0.072) U ND (0.073) U ND (73) U								
4-chloro-3-methylphenol 59-50-7 mg	g/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (0.072) U ND (0.073) U ND (73) U								
CONTRACTOR AND	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)		ND (0,036) U ND (0,037) U ND (36) U ND (0,036) U ND (0,037) U ND (36) U								
4-nitroaniline 100-01-6 mg	g/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (0.072) U ND (0.073) U ND (73) U								
preparatitions 93.13.0 m	g/kg ND (0.19) U ND (0.2) g/kg ND (0.039) U ND (0.039)	U ND (0.19) U ND (0.18) U U ND (0.039) U ND (0.037) U	ND (0.18) U ND (0.18) U ND (180) U ND (0.036) U ND (0.037) U ND (36) U								
acenaphthylene 208-96-8 mg	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (35) U								
	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U 0.04 (0.039)		ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
benzo (a) pyrone 50-32-8 mj	gAg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (6.036), U ND (0.037), U ND (36), U								
The state of the s	g/kg ND (0.039) U 0.054 (0.039) g/kg ND (0.039) U ND (0.039)	CONTROL OF THE PROPERTY OF THE	ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
benzo (k) fluoranthene 207-08-9 mg	19/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
1 10 10 10 10 10 10 10 10 10 10 10 10 10	g/kg ND (0.078) U ND (0.079) g/kg ND (0.039) U ND (0.039)		ND (0.072) U ND (0.073) U ND (73) U ND (0.036) U ND (0.037) U ND (36) U								
	ng/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (0.072) U ND (0.073) U ND (73) U								
carbazole 86-74-8 the	ig/kg ND (0.078) U ND (0.079) ig/kg ND (0.039) U ND (0.039)	water the control of	ND (0.072) U ND (0.073) U ND (73) U ND (0.035) U ND (0.037) U ND (36) U								
	g/kg ND (0.039) U 0.04 (0.039)	U (0.039), U ND (0.037), U	ND (0.036) U ND (0.037) U ND (36) U								
di-n-octyl phthalate 117-84-0 mg	g/kg ND (0.078) U ND (0.079) g/kg ND (0.078) U ND (0.079)		ND (0.072) U ND (0.073) U ND (73) U ND (0.072) U ND (0.073) U ND (73) U								
The state of the s	g/kg ND (0.039) U 14D (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
Commence of the control of the contr	(g/kg ND (0.039) U ND (0.039) g/kg ND (0.078) U ND (0.079)		ND (0.036) U ND (0.037) U ND (36) U ND (0.072) U ND (0.073) U ND (73) U								
	g/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (0.072) U ND (0.073) U ND (73) U								
	g/kg ND (0.039) U 0.072 (0.039) g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
hexachlorocyclopentadiene 77-47-4 mg	g/kg ND (0.078) U ND (0.079) g/kg ND (0.19) U ND (0.2)	U ND (0.078) U ND (0.073) U U ND (0.19) U ND (0.18) U	ND (0.072) U ND (0.073) U ND (73) U ND (0.18) U ND (0.18) U ND (180) U								
	g/kg ND (0.039) U ND (0.039)	U NO (0.039) U NO (0.037) U	ND (0.036): U ND (0.037); U ND (36); U								
	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)		ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
N-introsodi-q-propylamine 621-64-7 mg	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (35) U								
	g/kg ND (0.039) U ND (0.039) g/kg ND (0.039) U ND (0.039)	and the control of th	ND (0.036) U ND (0.037) U ND (36) U ND (0.036) U ND (0.037) U ND (36) U								
The second section of the second section of the second section	g/kg ND (0.039) U ND (0.039)	U ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
	g/kg ND (0.19) U ND (0.2) g/kg ND (0.039) U ND (0.059)		ND (0.18) U ND (0.18) U ND (180) U ND (0.036) U ND (0.037) U ND (36) U								
phenol 108-95-2 mg	g/kg ND (0.078) U ND (0.079)	U ND (0.078) U ND (0.073) U	ND (0.072) U ND (0.073) U ND (73) U								
	g/kg ND (0.039) U 0.085 (0.039)	J ND (0.039) U ND (0.037) U	ND (0.036) U ND (0.037) U ND (36) U								
Other Parameters Moisture Content (a) N.A. wi	2 02 11 12 1 1 100 mm										
the season of th		14.5 (0.08)	7.70 (0.08) 8.92 (0.08) 8.39 (0.08)								

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample GEO-06/5'-6'.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.

 UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias
- identified during the data validation quality assurance review.



CA Pari								Sample Identifier GEO-29							
Analytical Parameter Num		<u> </u>	(0' - 1')		GEO-28 (2' - 3')		(5' - 6')		(0' - 1')	(0' - 1) Duplicate ((2' - 3')		(5' - 6')
TCL Semivolatile Organics (b) 1.2 4-trichlorobenzene 120-	82-1 mg/k	e NE	(0.038)	U ND	(0.04)	u nd	(0.039)	U ND	(0.19)	ND	(0.18)	МĎ	(0.039)	O NE	บ (0.039) บ
1,2-dichlorobenzenc 95-5	90-1 mg/k	g NE	(0,038)	U ND	(0,04)	U ND	(0.039)	U. ND	(0.19)	die	(0.18)	ND ND	(0.039) (0.039)	r vru me-bih meritik zasamir	
1,3-dichlorobenzene 541- 1,4-dichlorobenzene 106-	_		, ,	U ND U ND	` ′	U ND	,	U ND	(0.19) (0.19)	ND ND	(0.18) (0.18)	ND	(0.039)	U NE	
2,2'-oxybis (1-chloropropans) 108-i 2,4,5-trichlorophenol 95-9			Commence of the second		(0.04) (0.081)	U ND UND	(0.039) (0.078)		(0 19) (0 38)	ND ND	(0.18) (0.37)	ND ND	(0.039) (0.078)) (0.039) U) (0.078) U
2,4,6-trichlorophenol 88-0	06-2 mg/k	g NE	(0.077)	U MD	100 miles 110 miles 110 miles	U ND	(0.078)	U ND	(0.38)	ND	(0.37)	ND	(0.078)	U NE	(0.078) U
2,4-dichlorophenol 120- 2,4-dimethy phenol 105-	Committee of the committee of	Signatural programmatic act	razaratikoa montorra artea da	U ND U ND	tele telepania in indicate et	U ND	er ererscarer mit men	U ND U ND	(0.38) (0.38)	ND ND	(0.37) (0.37)	ND ND	(0.078) (0.078)	U NE	HILLIAN OVER HIS SERVICE SERVICE CONTRACTOR
2,4-dinitrophenol 51-2	28-5 mg/k	g NE	(0.22)	U ND	(0.24)	U ND	(0.23)	U ND	(1.1)	ND ND	(1.1)	ND	(0,23)		man minimum or a contract and and other re-
2,4-dinitrotoluene 121- 2,6-dinitrotoluene 606-	0		, ,	U ND U ND	,	U ND U ND	, ,	U ND U ND	(0.38) (0.19)	ND ND	(0.37) (0.18)	ND ND	(0.078) (0.039)	U NO U NO	(
2-chloronaphthalene* 91-5 2-chlorophenol 95-5	THE STREET STREET, NO.	THE RESIDENCE OF	HARMAN AND THE STREET	John John William William William	W. Demont of Street, St.	י סואיייי ט מאיייי ט אם	(0.039) (0.039)	rii: 4040 - 1140 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 - 1150 -	(0.19) (0.19)	', 'ND' ND	(0.18) (0.18)	ND ND	(0.039) (0.039)	NOT THE REPORT OF THE PARTY OF THE PARTY OF) (0.039) U) (0.039) U
2-methylnaphthalene 91-5	mananan and and and	Seattle area and a service at	The management of the two con-) ND	anning the same	U ND	minima manager erase a.m.	U 0.26	COCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO	J 0.71	(0.18)	J ND	(0.039)	U NE) (0.039) U
2-methylphenol 95-4	18-7 mg/k 74-4 mg/k	30 NOW AND ADDRESS TO		U ND U DN	essa "anunciana informir	U ND U ND	an object of the	U ND	(0.19) (0.19)	MD GM ■ □	(0.18) (0.18)	ם מא	(0.039) (0.039)	ער ט זא ט	om and alterace was a property of
2 nitrophenol 887	mg/k ک-75	g NE	(0,077)	UJ ND	(0.081)	U ND	(0.078)	u No	(0.38)	ND	(0.37)	ND	(0.078)	U NE) (0.078) U
3,3'-dichlorobenzidine 91-9 3- and 4-methylphenol 106-		-	, ,	U ND U ND		U ND	(0.078) (0.078)	U ND U ND	(0.38) (0.38)	ND ND	(0.37) (0.37)	ND ND	(0.078) (0.078)		,
3-nitroandine 99-0 4,6-dimitro-2-methylphenol 534	09-2 mg/k	g NE				U ND U ND	(0.078)	U ND	(0.38) (0.95)	ND ND	(0.37) (0.92)	ND ND	(0.078) (0.2)		
the production All Alegorithm and an art of the management of the art of the continuous and the	55-3 mg/k	· · · · · · · · · · · · · · · · · · ·		U ND		U ND	ii artis 1821. San Artis India	U ND	(0.38)	ND	(0.37)	ND	(0.078)	U NE	annum Meda M.M. De verragen en men m.m a. l
4-chloro-3-methylphenol 59-5	50-7 mg/k 47-8 mg/k	Summercontrollers access	Constitution of the Constitution of	U ND	orbit flamourous and orbit	U ND U ND	(0.078) (0.039)	U ND	(0.38) (0.19)	И Д	(0.37) (0.18)	ND OTA	(0.078) (0.039)	U NI	and the comment of the contract of the con-
4-chloropheny) phenyl ether 3005	-72-3 mg/s	g M) (0.038)	u ND	(0.04)	ער ער	(0.039)	U ND	(0.19)	ND	(0.18)	ND	(0.039)	U M) (0.039) U
4-nitroaniline 100- 4-nitrophenol 100-	01-6 mg/k 02-7 mg/k	-	. ,	U ND U ND	(0.081)	U ND	(0.078)	U ND	(0.38) (0.95)	ND ND	(0.37) (0.92)	ND ND	(0.078) (0.2)	U NE	
accnaphthene 83-3 accnaphthylene 208-		in the depth of the country of the	THE TAXABLE PARTY OF THE REAL PROPERTY.	U ND	(0.04)	COLUMN TO AN ADMINISTRATION OF THE PARTY OF	Hilliam This Source Has had a	u ND	(0.19)	MD	(0.18)	, ND	(0.039)		property of the second second
CONTRACTOR OF THE PRODUCT AND ADDRESS OF THE PRO	96-8 mg/k 12-7 mg/k	Mention of the property of the	office and important code after the	J ND	(0.04) (0.04)	U ND	(0.039) (0.039)	U 1.2 U 2.5	(0. 19) (0.19)	J 0.39 0.48	(0.18) (0.18)	manda de como proprio proprio de la constitución de	(0.039) (0.039)	Annual Control of the	NOT THE OWN AND AND ASSOCIATED AND AND ASSOCIATION AND
benzo (a) anthracene 56-5 benzo (a) pyrene 50-	55-3 mg/k 32-8 mg/k	Obreen 1955 Jahr 1990-9	OF SER SHARMS AND THE SERVICE OF THE	ND ND	to demande or other states	U ND	(0.039) (0.039)	U 4.1	(0.19) (0.19)	0.61 0.75	(0.18) (0.18)	J ND J ND	(0.039) (0.039)	U NE	camenino securios S. S. naciono
benzo (b) fluoranthene 205-	99-2 mg/k	g 1.9	(0.038)	ND	(0.04)	U ND	(0.039)	U 8.6	(0.19)	1.4	(0.18)	J ND	(0.039)	u ni) (0.039) U
benzo (ghi) perylene 191- benzo (k) fluoranthene 207-	24-2 mg/k -08-9 mg/k	-		U ND ND	' '	U ND	(0.039)	U 1.4 U 3.2	(0.19) (0.19)	J 0.57 0.44	(0.18) 3 (0.18) 3		(0.039)	U NE	
bis (2-chloroethoxy) methane HT- bis (2-chloroethyl) ether HT-		The advention	THE PARTY OF THE PARTY OF THE REAL PROPERTY.	U ND	man was a series of the series	U ND	(0.078)	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN 1997 AND ADDRESS O	All the state of the state of	ND	(0.37)	ND	(0.078)	U NI	
bis (2-chloroethyl) ether 111- bis (2-cthylhexyl) phthalate 117-	minute of the manufacture	Marine A.V. ven mense.	tratterage managed to serve a	U ND	Transfer of American	U ND U ND	Market and annumerate	U ND	(0.19) (0.38)	U ND	(0.18) (0.37) (U ND	(0.039) (0.078)	U NE	NUMBER OF STREET STREET
butyl benzyl phthalate 85-6	special newspapers and age	CHASTON PROTECTION	un ann decessement of some	STEEL ALADAM AND DESCRIPTION	militer construction and administration	U ND	(0.078) (0.039)	U ND	(0.38) (0.19)	ND J ND	(0.37) (0.18)	ND ND	(0.078) (0.039)	U NI	n ann as all concentration for our reconstant
chrysens 218	01-9 mg/k	g 1.1	(0.038)	ND	(0.04)	U ND	(0.039)	ឋ 6.7	(0.19)	0.9	(0.18)	J ND	(0.039)	U NE) (0.039) U
di-n-octyl phthalate 117-	74-2 mg/k 84-0 mg/k	~		- 1	(U ND	(0.078) (0.078)	U ND	(0.38) (0.38)	ND ND	(0.37) (0.37)	ND ND	(0.078) (0.078)	U NE	(
dibenz (a,h) unthracene 53-7 dibenzofuran 132-	70-3 mg/k	g 0.2	20 225 iiiii dale 169 200 325		(0.04)	realist and expression that are also means	(0.039)	1-11 H 212 H 314 S 11 - 14 H 31 P 3	STEEL STATE OF THE OWNER.	Mark Committee of the C	(0.18)		(0:039)	THE PARTY OF THE P) (0.039) U
diethyl phthalate 84-6	56-2 mg/k	g NI	9 (0.038) (0.077)	WORK THE CONTRACTOR OF THE CON	(0.04) (0.081)		(0.039) (0.078)	promise their deferment transmission.	(0.19) (0.38)	J ND ND	(0 18) (0.37)	ND ND	(0.039) (0.078)	storm merchanism street 4.77	0 (0.039) U 0 (0.078) U
dimethyl phthalate 131-	11-3 mg/k 44-0 mg/k		OFFICE SECRETARIA CONTRACTOR AND	. WARRANCE WAR MARK COMPANY OF	Children monomen addarm	שא ט שא ש	(0.078) (0.039)		(0.38) (0.19)	ND 0.89	(0.37) (0.18)	ND I ND	(0.078) -{0.039}	Assume the property of the second of) (0.078) U) (0.039) U
fluorene 36-5	73-7 mg/k	g NI	(0.038)	U MD	(0.04)	טו אס	(0.039)	U 0.48	(0.19)	מא ני	(0.18)	ND	(0,039)	o N) (0.039) U
hexachlorobenzene 118- hexachlorobutadiene 87-6	.74-1 m.g/k 58-3 m.g/k		i		(0.04) (0.081)	R ND U ND	(0.039) (0.078)			R ND ND	(0.18) E (0.37)	R ND ND	(0.039) (0.078)		, ,
hexachlorocyclopentadiene 77-4 bexachlorocthune 67-			(0,19) (0,038)	CHARLES WE WIND THE SELECTION OF	THE REPORT OF THE PARTY OF THE	U ND	(0.2)			ND	(0 92)	МD	(0.2)		Carried of the second area and a second to the second
The state of the s	72-1 mg/k 39-5 mg/k	win change on .	(880.0) 8	D ND	en C to the man-intercept	U ND	(0.039) (0.039)	Michigan de ave amina	(0.19) (0.19)	0.69	(0.18) (0.18)	J ND	(0.039) (0.039)	CONTRACTOR OF THE PROPERTY OF) (0.039) U) (0.039) U
isophorone 78-5 N-mirosodi-n-propylamine 621-	59-1 mg/k 64-7 mg/k	CONTRACTOR SERVICES IN A	(0.038) (0.038)	ACCORDING TO ALL, AND ADDRESS OF THE REST		U ND	(0.039) (0.039)	trafficular reserved to the section	(0.19) (0.19)	ND MD	(0.18) (0.18)	ND ND	(0.039) (0.039)) (0.039) U) (0.039) U
N-pitrosodiphenylamine 86-3	30-6 mg/k	g NE	(0.038)	U ND	(0.04)	U ND	(0.039)	U ND	(0.19)	מא	(0.18)	7007	(0.039)	u Me	(0.039) (J
nitrobenzene 98-9	20-3 mg/k 95-3 mg/k	_	75 (0.038) 0 (0.038)		. ,	U ND U ND	(0.039) (0.039)		(0.19) (0.19)	J 0.34 ND	(0.18) . (0.18)	J ND ND	(0.039) (0.039)		
pentachlorophenol 87-8 phonanthrene 85-0		CHEST SERVICE CONTRACTOR	(0.19) 8 (0.038)	שאיייט	Care from many the party of	U ND	(0.2)	U ND	(0.95)	ND	(0.92)	ND	(0.2)	U NE) (0.19) U
phenol 108-	95-2 mg/k	g NI	(0.077)	Street, and the state of the st	. ,	J 0.23	(0.09 9) (0.078)		(0.19) (0.38)	0.38	(0.18) . (0.37) .		remaining and a second	·	
pyrene 129-	00-0 mg/k	g 1.5	(0.038)	ND	(0.04)	U ND	(0.039)	U 9.8	(0.19)	0.91	(0.18)	J ND	(0.039)	U NE	(0.039) U
Other Parameters Moisture Content (2) N.	A. st. 9	6 13.	3 (0.08)	173	(0.08))4.8	(0.08)	12.3	(0.08)	893	(0.08)	14.8	(0.08)		1 (0.08)

Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

- (a) Listed on chain-of-custody documentation as sample GEO-34/0'-1'.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias detected during the data validation quality assurance review.
- R qualifier denotes unusable result identified during data validation quality assurance review, compound may or may not be present in the sample.

Table 4-1 (Continued) Soil Sample Data Summary Phase II Remedial Investigation

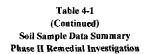
Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS			·				Sample Identifier GFO-							
Amalastical Decomposition	Registry	P.T. Gra		(AL 10)		GEO-30			(E1 CI)		(0) 1)		GEO-31		(5' - 6')
Analytical Parameter TCL Semivolatile Organics (a)	Number	Units		(0' - 1')		(2' - 3')			(5' - 6')		(0' - 1')		(2' - 3')		(3 - 6)
1.2,4-trichlorobenzene	120-82-1	mg/kg	МD		IJ N		and the same of th	MD.	(0.039) (0.039)	מא ט מא	(0.038) (0.038)	מוא ט מוא ט	(0.038) (0.038)	U NI	
1,2-dichlorobenzene 1,3-dichlorobenzene	95-50-1 541-73-1	mg/kg mg/kg	ND ND	(0.039) (0.039)	U NI U NI	t-man-regisment artistem of	All desired and all 1	ND ND	(0.039)	U ND U ND	Service date date and appropriate	U ND	(0.038)		
1,4-dichlorobenzene	106-46-7	mg/kg	ND	(0.039)	U NI	0.041)	U	ND	(0.039)	U ND	ara www.caze.acm.mrd.man	U ND	(0.038)	CARL STREET, ATTACABLE TO SERVICE THE SERV	CODE NUMBER OF BUILDINGS AND STREET
2,2'-oxybis (1-chloropropane) 2,4,5-trichlorophenol	108-60-1 95-95-4	mg/kg mg/kg	ND ND	(0.039) (0.077)	THE STATE OF THE STATE OF		distributed by the state of the	ND ND	(0.039) (0.077)	150,000 to 000 000 000 000 000 000 000 000 0	(0.038) (0.076)	U ND U ND		A CHARLES THE RESIDENCE OF	
2,4,6-trichlorophenol	88-06-2	mg/kg	ND	(0.077)	U NI	ten State with millioning	-um 1000 300 30	ND	(0.077)	U ND	(0.076)	U ND	(0.076)	"Stramman international deep area as	BEARD STREET, SAN THE STREET, SAN THE STREET, SAN THE STREET,
2,4-dichlorophenol	120-83-2	mg/kg	ND	(0.077)	1 TO A COMMON THROUGH STREET	and the second	and the second	ND	(0.077)	U ND	(0.076)	U ND	(0.076)	CONTROL SECTION AND ADDRESS OF THE PERSON OF	arragaman), ann ann ann ann ann ann ann. Sa
2,4-dimethylphenol 2,4-dimtrophenol	min made that their steam state state of their colors.	mg/kg mg/kg	0,11 - ND	(0.077) (0.23)	Committee and artificial deli-	Hall Street Street	drinkli ded	ND ND	(0.077) (0.22)	U ND U ND	(0.076) (0.22)	U ND U ND	(0.076) (0.22)		
2,4-dinitrotoluene	121-14-2	mg/kg	ND	(0.077)	U NI	0.082	20.720.20.20.00	ND	(0.077)	U ND	(0.076)	U ND			O (0.075) U
2,6-dinitrotoluene 2-chioronaphthalene	606-20-2 91 -58-7 -	mg/kg ing/kg	ND MD	(0.039) (0.039)	U NI	acomposit accesses attenti	(\$100 TS 15	ND ND	(0.039)	U MD	(0.038) (0.038)	U ND	(0.038) (0.038)	U NI	-60 and decree PERCHARTER AND THE
2-chlorophenol		mg/kg	ND	an trail	Ŭ NI			ND	(0.039)		(0.038)	STREET, STREET	The same was supplied to	CH HIS TOO HOR LINE TO SEE	
2-methylnaphthalene	91-57-6	mg/kg	0.3	(0.039)	J NI			ND		U ND	(0.038)	U ND	, ,	U NI	, , ,
2-methylphenol 2-mitoamiine	95-48-7 88-7 4-4	mg/kg mg/kg	0.042 ND	(0.039) (0.039)	J NI U NI	aran uzan idan man meninti	ain aldo 1000	ND ND	(0.039) (0. 039)	U ND U ND	(0.038) (0.038)	U ND	(0.038) (0.038)		SE HR. And Harris P. C. L. And Harris
2-pitrophenol	88-75-5	mg/kg	MD	(0.077)	U N	(0.082	ָ שׁ ַ עֹ	ND.	(0.077)	U ND	(0.076)	U ND	(0.076)	U N) (0.075) U
3,3'-dichlorobenzidine 3- and 4-methylphenol	91 -94 -1 106-44-5	mg/kg mg/kg	ND 0.14	(0.077)	U NI	,		ND ND	(0.077)	U ND U ND	(0.076) (0.076)	U ND	(0.076) (0.076)	U NI U NI	
3-rutroamline	99-09-2	mg/kg	ND	(0.077)	U NI	OF THE PARTY NAMED AND THE PARTY NAMED AND T	ing are me	ND	(0.077)	come on the same and are one		U ND	(0.076)		D (0.075) U
4,6-dinitro-2-methylphenol 4-bromophenyl phenyl ether	534-52-1 101-55-3	mg/kg	ND ND	(0.19)	U N	and annual contract of the con		MD	(0.19)		(0.19)	U NO		and the state of the state of the state of	and the contract of the second contract of th
4-chloro-3-methylphenol	59-50-7	mg/kg mg/kg	ND ND	(0.077)	U NI U NI		•	ND ND	(0.077)	U ND U ND	(0.076) (0.076)	U ND	(0.076) (0.076)	U N	, , -
4-chloroaniline		mg/kg	ND	304: 100-000-000	STATE OF THE PARTY AND THE	- 100 THE TAX IN THE REAL PROPERTY.		ND.	(0.039)	U ND	(0.038)	U ND		Compared to the Compared of th	CALL THE TAXABLE WAS DESCRIBED AND THE TAXABLE PARTY.
4-chlorophenyl phenyl ether 4-nitroaniline	7005-72-3 100-01-6	mg/kg mg/kg	ND ND	(0.039)	U NI U NI	FRANCISCH AND HISTORY OF	COTTON CONTRACTOR	ND ND	(0.039)	U ND	(0.038)	U ND	THE STATE OF THE OWN OR STATE OF	PROJECT CONTRACTOR CON	and the property of the proper
4-nitrophenol	100-02-7	mg/kg	ND	(0.19)	U NI		U	ND	(0.19)	U ND	(0.19)	U ND	(0.19)	U N	, , ,
acenaphthene acenaphthylene	83-32-9 208-96-8	mg/kg mg/kg	0.16	(0.039) (0.039)	J NI NI	HIS STREET, ST	ARTHUR DESCRIPTION	ND ND	(0.039) (0.039)	The control of the co	(0.03 8) (0.038)	U ND U ND	The state of the s		HING DONE BY THE REAL PROPERTY.
anthracene	120-12-7	mg/kg	4.1	(0.039)	NI	non-community and	Cartie demonstra	ND	(0.039)	U ND	(0.038)	U ND	en anna were en en mon prose man	U N	THE OLD SELECTION SHOWS AND SALE TO SHOW
benzo (a) anthracene	56-55-3 50-32-8	mg/kg	11	(0.39)	NI	OPPLICATION AND ADDRESS OF THE PARTY OF THE	WHEN BOX ON	ND	(0.039)	U ND	(0.038)	U ND	om ombuscussem dito o	U NI	arms are processed this are for arm, as a
benzo (a) pyrene benzo (b) fluoranthene	TO THE REPORT OF	mg/kg mg/kg	8 17	(0.39)	N N	Park and San de and	Participate (12)	ND ND	(0.039)	U ND U ND	(0.038)	שא ט סא ט	in the second second		
benzo (ghi) perylene		mg/kg	3.7	(0.039)	NI	0.041) U	ND	(0.039)	U ND	(0.038)	U ND	(0.038)	U N	D (0.038) U
benzo (k) fluoranthene bis (2-chloroethoxy) methane	Balling over the temperature street in	mg/kg mg/kg	6.1 ND	(0.039) (0.077)	U NI		also dalli albust	ND ND	(0.039) (0. 077)	U ND UN U	(0.038) (0.076)	U ND	C. ISO, AND DESIGNATION OF A STREET	U N	ALL THAT HOW SHAP WAS DESCRIBED ASSURED
bis (2-chloroethyl) ether	THE RESERVE OF THE PARTY OF THE	mg/kg	ND	(0.039)	CARROLL SAME AND ASSESSMENT OF THE PARTY OF	OPENING SERVICE	Anna Commodell II	ND	(0.039)	U ND	(0.038)	ט אם	The state of the s	SHORT THE PARTY OF	
bis (2-ethylhexyl) phthalate butyl benzyl phthalate	117-81-7 85-68-7	mg/kg	ND	(0.077)		,	,	ND	(0.077)	U ND	(0.076)	U ND	, ,	U N	
**************************************	86-74-8	mg/kg mg/kg	ND	(0.077) (0.039)	U NI	PROCESS NAMED BY	DESIGNATION OF STREET	ND ND	(0.077) (0.039)	U ND	(0.076) (0.038)	U ND	ensancement un da a	U N	EMBILOPROPRI SEEL SEEL AND DRIVERS SERVE
chrysene	Accession of A. S. Service Street, Married	mg/kg	15	(0.39)	M		er in min antitrati	מא	(0.039)	U ND	(8.038)	u nd	(0.038)	minoring annual to the parties	D (0.038) U
di-n-butyl phthalate di-n-octyl phthalate		mg/kg mg/kg	ND ND	(0.077) (0.077)	U M U M			ND ND	(0.077) (0.077)	U ND U ND	(0.076) (0.076)	U ND		U NI	
dibenz (a,h) suthracene	53-70-3	mg/kg	115	(0.039)	NI NI	nancijen sika state mancijel	Transport to the second of the	ND	(0.039)		(0.038)		er eze Alician, amané wa	CONTRACTOR OF STATE O	 S.C. Schreider (Belle 1998) SERVICE STREET, pp. 1980.
ditenzofuran diethyl phthalate		mg/kg mg/kg	0.34 ND	(0.039) (0.077)	M months and a first tra-			ND ND	(0.039) (0.077)	the filth men man commence	(0.038) (0.076)	And the second s			D (0.038) IJ D (0.075) U
dimethyl phthalate		mg/kg	ND	(0.077)				ND	(0.077)		(0.076)		,		
Luoranthene	The state of the state of the state of	mg/kg	23	(0.39)	N	N 35 H5 440 44 28	36.00.11.01.01.01.01	ND	(0.039)	in the bright the state of the state of the	(0.038)	COLOR STATE AND REPORTED BY A STATE OF THE S	25 110 110 110 110 110 110 110 110 110 11	Januari dell'objettica	ACTUAL PROPERTY OF THE STATE OF
fluorene hexachlorobenzene		mg/kg mg/kg	0.47 ND	(0.039) (0.039)	R NI		estilia atricativa di	ND ND	(0.039)		(0.038)	the second of the second of the second	www.m.m.ca.co.co.co.co.co.co.co.co.co.co.co.co.co.		D (0.038) U D (0.038) U
hexachlorobutadiene	87-68-3	mg/kg	ND	(0.077)	U NI	0.082) บ	ND	(0.077)	U ND	(0.076)	U ND	(0.076)	U N	D (0.075) U
hexachlorocyclopentadiene hexachloroethane	77-47-4 67-72-1	mg/kg mg/kg	ND ND	(0.19) (0.039)	ALCOHOLD BY AND ADDRESS OF THE PARTY OF THE	0.000-000-233300-2500	obdicate	ND ND	(0.19) (0.039)		(0.19) (0.038)		Salard and the special property of the state	Charles I and the Charles I and	o includes de la California de la Califo
indeno (1,2,3-cd) pyrene	man and a community of the community of	w8∖kā	5.6	(0.039)	М	miner wife i mampagille	tes muraphyllic	ND	(0.039)	minimum - 42 min avii anii min mitir.	(0.038)	and it is a suppreptional publication of the	amy may man than also also also	tele delle delle delle delle HERE Printipi	controller with the restricted particular state (selle)
isophorone N-mitrosodi-n-propylamine	78-59-1	mg/kg	ND	(0.039)	e estacistate men onun susucessas o	Ban arreste al access and made	CHIEFE COMMISSION	ND	(0.039)	encon or error dad analysis or new year	(0.038)	C. A. C. CHARLES AND ADDRESS OF THE PARTY AND	tt man der den min "könne	THE PROPERTY OF STREET, WHITE CORP.	VICTOR AND AND DESCRIPTION OF THE PROPERTY OF
N-nttrosodiphenylamine	CHARLES WITH THE CONTRACT OF T	mg/kg mg/kg		(0.039)	Committee that the contract of	SERVICE OF THE SERVICE	n Jiletto Helli Hilli (ND ND	(0.039) (0.039)	Charles of the Land State of	(0.038) (0.038)	Walter State of the State of th		a line in the ment of the State	
naphthalene	91-20 - 3	mg/kg	0.69	(0.039)	NI	0.041) U	ND	(0,039)	U ND	(0.038)	U ND	(0.038)	U N	D (0. 038) U
nitrobenzene penachlorophenol	98-95-3 87-86-5	mg/kg mg/kg	ND ND	(0.039) (0.19)		30 สะทองเทียงคน และเวลาเคยได้	famenien 11 is.	ND	(0.039) (0.19)	The state of the second st	(0.038) (0. 1 9)		SISS Stall ARRESTMENT OF THE SECOND	NAME AND ADDRESS OF THE OWN OWN OWN	san namen den sensattis tinis nen een sess
peractioropienoj phenanthrene	85-01-8	mg/kg	2.7	(0.039)	Ni	A STATE OF THE REAL PROPERTY.	303, 300 mail di	E State of the shell (11)	(0.039)	all above the state of the day of the	The state of the s		T-01 MAY 11 194	HARPING HARPER STOP ASSESSMENT OF THE	CONTRACTOR OF THE STREET
phenol pyrene		mg/kg mg/kg	0.24 19	(0.077)		•			, , ,	J 0.19		J 0.14			, ,
pyrene	127-UU-U	mg/kg	19	(0.39)	NI	0.041)	, 0	ND	(0.039)	U ND	(0.038)	Ù ND	(0.038)	U N	O (0.038) U
Other Parameters Maisture Content (b)		V.A. Gerry		70 00S			Siisee		en ekide en	urus e e essa	ii (Barglay)	wilden einen			

Moisture Content (b) N.A. wt % 13.6 (0.08) 19 (0.08) 13.5 (0.08) 12.5 (0.08) 12.5 (0.08) 11.3 (0.08)

- ND denotes "Not Detected" at the method detection limit shown in parentheses.
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations. (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

 R qualifier denotes unusable result identified during data validation quality assurance review; compound may or may not be present in the sample.



	CAS										Samp	le Identifie	er								
A - Locio 1 Thomas de c	Registry	15-34-		(01 11)		GEO-32			(6) (1)			01 113		V 10.		GEO-33	(2' - :	111		(5' - 6	20
Analytical Parameter TCL Semivolatile Organics (b)	Number	Units		(0' - 1')		(2' - 3')			(5' - 6')			0' - 1')	77	, - 1) (Ouplicate	(a)	(2 -	, ,		(3 - 0	, <u>, </u>
I.2.4-trichlorobenzenc	120-82-1 95-50-1	mg/kg mg/kg	ND ND	(0.039) (0.039)		4D (0.039 4D (0.039			(0.039) (0.039)	U .	ND ND	(0.38) (0.38)			0.038) 0.03 8)			39) 39)		The Partie and	(n) U (1) UJ
1,3-dichlorobenzene	541-73-1	mg/kg	ND	(0.039)		VD (0.039)	per due all the s	ND	(0.039)	U	ND	(0.38)	ii Heli-bahi yesi seni	SERVICE SERVICE	0.038)	U N	D (0.0	39)	Managar Ingo and and are you		41) UJ
1,4-dichlorobenzene	106-46-7	mg/kg	ND	(0.039)	TER 80	VD (0.039)		ND	(0.039)	U	ND	(0.38)	ar ar ar ann an an an		0.038)			39) ~~~	organización de la compania de la c		
2,2'-oxybis (1-chloropropane) 2,4,5-trichlorophenol	108-60-1 95-95-4	mg/kg mg/kg	ND ND	(0.039) (0.078)		9D (0,039 9D (0,077		ND ND	(0.039) (0.078)	U	ND ND	(0.38) (0.75)			0.03 8) 0.076)			39) 79)		1100 Ki	(1) U 83) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND	(0.078)	"	VD (0.077		ND	(0.078)	U	ND	(0.75)	man C A.A Comm	a	0.076)			7 9)			
2,4-dichlorophenol	120-83-2	mg/kg	ND	(0.078)	S San de man ann asg	√D (0.0 7 7		ND	(0.078)	U	ND	(0.75)	na mmere dus	g==0 == :3)	0.076)		enconcentration and o	79)	oromycznycz, Effected accesses		
2,4-dimethylphenol 2,4-dimitrophenol	105-67-9 51-28-5	mg/kg	DM.	(0.078) (0.23)		VD (0.077 VD (0.23)		MD MD	(0.078) (0.23)	U	ND OM	(0.75) (2.2)			0.076) (0.22)	U N		79) 23)			
2,4-dinitrophenol 2,4-dinitrotoluene	121-14-2	mg/kg mg/kg	ND	(0.078)	### ### ### ### ### ### ### ### #### ####	vD (0.077		ND	(0.078)	U	ND	(0.75)			0.076)				U NI		
2,6-dinitrotoluene	606-20-2	mg/kg	ND	(0.039)	U 1	ND (0.039	•	ND	(0.039)	U	ND	(0.38)		ND (0.038)	U N	ro tro a a caste	mm.000.000	U NE	::::::::::::::::::::::::::::::::::::::	41) U
		mg/kg	. ND	(0.039)	55 40 4m 45 29 W	VD (0.039	100 000 000 955 C	, ND	(0.039)	- Carry - 14-1 0 0 7-1 0 70	ND.	(0.38)	1 *	. iii ii iiiii . iiii. iii	0,038) 0,038)	tiretaire de la company	200 Mar 12 1 April 12	39) 39)	purpolity (Chamballand)	PHYSIC SERVE	41) U 41) U
2-chlorophenel 2-methylnaphthalene	95-57-8 91-57-6	mg/kg mg/kg	ND ND	(0.039)	tami merupung 22, a	MD (0.039 √D (0.039	com necessions	■ ND ND	(0.039) (0.039)	U	ND 11	(0.38) (0.38)		ND (7.4	continue may remain	J 0.	activity management		NI.		
2-methylphenol	95-48-7	mg/kg	ND	(0.039)		√D (0.039	•	ND	(0.039)	Ü	ND	(0.38)	Matriagh agriculti II	ND (U N	D (0.0	39)	U NE	(0.04	41) U
2-nitroaniline	88-74-4	mg/kg	ND ND	(0.039) (0.029)		VD (0.039		ND.	(0.039)	U	ND ND	(0.38) (0.35)	ann ann air an an a		PH-009 TO THE HEAT	U N		39) 20)	Production of the second		41) U
2-nitrophenol 3,3'-dichlorobenzidine	88-75-5 91-94-1	mg/kg mg/kg	ND ND	(0.078) (0.078)	en mare som den mem den	ND (0.077 ND (0.077	en majorara noncesa	ND ND	(0.078) (0.078)	U	ND ND	(0.75) (0.75)	and and area.	ner-minement in its	0.076) 0.076)	u N U N	a annual market de la constante de la constant	79) 79)	U NI U NI	The service of the se	83) U 83) U
3- and 4-methylphenol	106-44-5	mg/kg	ND	(0.078)		VD (0.077	,	ND	(0.078)	U	ND	(0.75)			,	U N	D (0.0	79)	U NI	(0.0	83) U
3-nitroantine	99-09-2	ing/kg	ND	(0.078)		VD (0.077		ND	(0.078)	U	ND	(0.75)						7 9)	i mizh mhali albig MCC MCC HOC M	1111	83) LL
4.6-dinitro-2-methylphenol 4-bromophenyl phenyl ether	534-52-1 101 - 55-3	mg/kg mg/kg	ND DN	(0.19) (0.078)	aracina minanani ini	ND (0,19) √D (0,077	aamanuu mii maga	ND ND	(0.2) (0.078)	U U	ND ND	(1.9) (0.75)	1 10 10 12 13 1 10 11 12 13			U N U N	aaa aan naji meruwa	4) 79)	U NI U NI	A :: LE: 21211MIN	
4-chloro-3-methylphenol	59-50-7	mg/kg	ND	(0.078)		VD (0.077	_	ND	(0.078)	U	ND	(0.75)				u N	•	7 9)		•	,
4-chloroamiline	106-47-8	mg/kg		(0.039)		ND (0.039		ND .	(0.039)	U.	ND.	(0.38)			0.038}			39)		11 HE NOTE:	41) U
4-chlorophenyl phenyl ether 4-nitroaniline	7005-72-3 100-01-6	mg/kg mg/kg	ND ND	(0.039)	Committee of the commit	ND (0,039 ND (0,077		ND DN	(0.039) (0.078)	U	ND ND	(0.38) (0.75)	10 31-10 51 (120-003 NOC 1000	English tem tem to the	U N	nomentage Eng	39) 79)	U NI	are dark structure	National and the contract of the
4-nitrophenol	100-02-7	mg/kg	ND	(0.19)		ND (0.19)	Ü	ND	(0.2)	Ū	ND	(1.9)		ND		U N	D (0.	2)	U NI	,	
acenaphthene acenaphthylene	83-32-9	mg/kg	⊸ ND ~~4P	(0.039)		ND (0.039		ND	(0.039)	U .	66 30		J	41	(3)		(0.0		0.1		
anthracene	208-96-8 120-12-7	mg/kg mg/kg	0.048 ND	(0.039)		VD (0.039 VD (0.039		ND ND	(0.039) (0.039)	U	20 94	(0.38) (7.5)		12 58	(3) (3)	8	7 (0.0 5 (0.1		NI 0.2		
benzo (a) anthracene	56-55-3	mg/kg	0.29	Medicina est asimalis	aliana and area area area.	VID (0.039	Émicos sericion	ND	(0.039)	U	100	(7.5)		67	(3)	1			0.1	mmedical.	0.000.000.000.000.000
benzo (a) pyrene benzo (b) fluoranthene	50-32-8 205-99-2	mg/kg me/kg		(0.039) (0.039)		ND (0.039 VEO () CDV		- ND	(0,039) (0,039)	V	64 97	(7.5) (7.5)		41 62	(3) (3)	Q	2 (0.0 6 (0		0,04 0.1		
benzo (ghi) perylene	191-24-2	mg/kg	0.23	on the minimum dates.	erramanamin,	VD (0.039		ND	(0.039)	U	30	(0.38)		21			4 (0.0		11:11 - 12:11 11:11 12:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11	2 (0.0	en mak om en meksisi
benzo (k) fluoranthene	207-08-9	mg/kg	0.46	witerandi.	EUROSE SELECTOR DE LA CONTRACTOR DE LA CONT	ND (0.039	Compression of	0.35	(0.039)	J	36	(0.38)	STORT THE SEC SEC	21		J 2	ne une verifica suo	arm of the other	0.0	DESCRIPTION ASSESSED.	DESCRIPTION OF STREET
bis (2-chlorocthoxy) methane bis (2-chloroethyl) ether	111-91-1 111-44-4	ing/kg mg/kg	ND ND	(0.078) (0.039)	nasahi. wii 1967. Kili 19	ND (0.077 ND (0.039	(formation of	ND ND	(0.078) (0.039)	10.423.01	ND ND	(0.75) (0.38)	10.3075		0,076) 0,038)	Single Helphan, Mar.	SHAME OF STREET	79) 39)	U NI U NI		83) U 41) U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND	(0.078)	the new recommendation	0.15 (0.077	Companies de la companie de la compa	0.14	(0.078)	hand-size, western	ND	(0.75)	ii. day 1540-005-407	A THE REAL PROPERTY.	manya - canada da a a a a a a a a a a a a a a a a	U N	man and a second to	7 9)	a and arministration and make	active maximum ma	COLUMN TENTEN
butyl benzyl phthalate	85-68-7	mg/kg	ND	(0.078)	5 T.S. 425-440-0000000	ND (0.077	Laste demonstrative	ND	(0.078)	U	ND	(0.75)	eranakerski	SECTION SECTION	populario 1916 1551 3561 6	U N	ാത്താണത് കേവ	79)	COLUMN AND ADDRESS OF THE PARTY.	ระหาดและให้สายและการ	U TENNISA AMERICAN
carbazole chrysene	86-74-8 218-01-9	mg/kg mg/kg	ND 0.37	(0.039) (0.039)		VD (0.039 VD (0.039	N-091-177-140-dell	ND 0.841	(0.039) (0.039)	J	16 100	(0.38) (7.5)		11 65	(3) (3)		6 (0.0 6 (0.	en in Hei	NE 0.1	in recinció	
di-п-butyl phthalate	84-74-2	mg/kg	ND	(0.078)	U	ND (0.0 <mark>7</mark> 7) U	ND	(0.078)	U	ND	(0.75)	(300H 385HLCGET-01 III	ND (0.076)	U N	D (0.0	79)	U NI	(0.0	83) U
di-n-octy) phthalate dibenz (a.h) anthracene	117-84-0 53-70-3	mg/kg ∷mg/kg	ND	(0.078) (0.030)		ND (0.077 ND (0.039		ND	(0.078)	WE VER AUGUST	ND	(0.75)		THE DESTRUCTION	0.076)	- III (II) II - WAN HARI A II A II A	PRABILITIES OF THE	79)			83) U 41) U
dibenzofuran	132-64-9	mg/kg	46.00 25 mm m.	(0.039)	40 million 191 C. C.	VD (0.039 VD (0.039	State of the Party		(0.039) (0.039)		10 35	(0.38) (0.38)	Lader di A	4.9 (23	AND REPORTS OF THE PARTY OF THE		84 (0.6 8 (0.6	36.0.000.000			417 1
diethyl phthalate	84-66-2	mg/kg		(0.078)		ND (0.077		ND	(0.078)	U	ND	(0.75)	-r		0.076)	U N	-	79)		-	83) U
dimethyl phthalate	[31-11-3 206-44-0	mg/kg mg/kg	ND 0.13	(0.078) (0.039)		ND (0.077 ND (0.039	F 2008 mar 1000	ND	(0.078) (0.0 39)		ND 440	(0.75) (7.5)		ND (270	0.076) (3)		D (0.0 2 (0.	79) 20a	U NI		83) U
fluoranthène Buorene	86-73-7	mg/kg		(0.039)		VD (0.039		ND	(0.039)		78	(7.5)		48	25 7		2 (0,0				41) J
hexachlorobenzene	118-74-1	mg/kg	ND		ប	ND (0.039) U	ND	(0.039)		ND	(0.38)			0.038)			39)		•	41) U
hexachlorocyclopentadiene	87-68-3 77-47-4	mg/kg mg/kg	ND NT	(0.078) (0.19)		VD (0.077 ND (0.19)		ND ND	(0.078) (0.2)		ND ND	(0.75) (1.9)	C 34 mar. and 070		0.076) (0.19)		20 020 777 W- 04	79) 2)		arrand-as-re	83) U 21) U
hexachloroethane	67-72-1	mg/kg		(0.039)		ND (0.039			(0.03 9)	31 - 1	ממ	(0.38)			0 038)		D (0.0				41) UJ
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.26	(0.039)	J	ND (0.039		ND	(0.039)		37	(0.38)		25	V- /		(0.0			•	41) J
isophorone N-nitrosodi-n-propylamine	78-59-1 621-64-7	mg/kg mg/kg	ND ND	(0.039) (0.03 9)	STATE AND DESCRIPTION OF THE PARTY.	VID (0.039 VID (0.039		ND MTX	(0.039) (0.039)	Mission representation	ND ND	(0.38) (0.38)	ettatte man orene -ette t		0.038) 0.038)	matt attenument of the control	a da mariningo	39) 39)	and the contract of the contra	maramatara SEA	41) U 41) U
N-nitrosodiphenylamine	36-30-6	mg/kg	ND	(0.039)	yr 2)	VID (0.039			(0.039)		ND	(0.38)			a.038)			39)		JULISH HISTORY	41) ir
naphthalene nitrobenzene	91-20-3 98-95-3	mg/kg	ND	(0.039)		VD (0.039		ND	(0.039)		8.3	(0.38)			0.038)		75 (0.0		NI U NI	,	41) U
pentachiarontichol	CONTRACTOR CONTRACTOR	mg/kg mg/kg	DM DM	(0.039) (0.19)	A CONTRACTOR OF THE CONTRACTOR	ND (0.039 ND (0.19)	account makes more	ND ND	(0.039) (0.2)	COMPANY OF STREET	ND DN	(0.38) (1.9)	en vertical annual	III-IIPIDAIREDAFARSI	0.038) (0.19)	POST TITLE AND ARREST	manu manu mené sersi ana	39) 2)	and the same of th	er en mandamar me	41) U 1) U
phenamurche	85-01-8	mg/kg	MD	(0.039)	U i	ND (0.039) U	0.085	(0.039)	Ţ	300	(7.5)		Januari suriisii elisi	(3)	- IN THE RESERVE THE	9 (d.	79)	0.7	5 (Q.O	
phenol pyrene	108-95-2 129-00-0	mg/kg mg/kg		(0.078) (0.039)		.12 (0.077 ND (0.039	,		(0.078)		ND	(0.75)			0.076)			79) 70)		•	83) U
руссие	152-00-0	w.e.vR	0.23	(ענט.ט)	(ن	···· (0.039	, 0	V.11	(0.039)	J	320	(7.5)		200	(3)	3	0 (0.1	, 2)	0.4	4 (0.04	- 1)
Other Parameters Moisture Content (e)				O OBS		o	are en			ESSETTE Side de la compa		BLEFRAN ME	SCHELIPPINGE SP			. ii ii od 115 20 40				Britannes (SS. SS.	45-71-00-39-39-3

Moisture Content (c) N.A. vst. % 14.1 (0.08) 13.9 (0.08) 15.0 (0.08) 11.4 (0.08) 12.4 (0.08) 15.1 (0.08) 19.3 (0.08)

ND denotes "Not Detected" at the method detection limit shown in parentheses.

- (a) Listed on chain-of-custody documentation as sample GEO-02/0'-2'.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

 U qualifier denotes not detected.
- J qualifier denotes quantitiation is estimated due to limitiations identified during the data validation quality assurance review.
- UI qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

Volatile Organic Compound Data Summary Ground Water Screening Samples Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS		Sample Identifier											
	Registry					GEO-17								
Analytical Párameter	Number	Units	GEO-16-G	V	GEO-17-GW	(Duplicate) (a)	GEO-18-GW	GEO-19-GW	GEO-20-GW					
TCL Volatile Organics (b)														
1,1,1-Trichloroethane	71-55-6	mg/L	ND (0,001)	U N	> (0.050) U	ND (0.050) I	J ND (0.001) Ū	ND (8.005) U	- NID (0.001) U					
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	ND (0.002)	U N	O (0.100) U	ND (0.100) 1) ND (0.002) U	ND (0.010) U	ND (0.002) U					
1,1,2-Trichloroethane	79-00-5	mg/L	ND (0,002)	U N	D (0.100) U	ND (0.100) U	J ND (0.002) U	ND (0.010) U	ND (0.002) U					
1,1-Dichloroethane	75-34-3	${\sf mg/L}$	ND (0.002)	U N	D (0.100) U	ND (0.100) (J ND (0.002) U	ND (0.010) U	ND (0.002) U					
1,1-Dichloroethene	75-35-4	mg/L	ND (0.001)	u N	D (0.050) U	ND (0.050) 1	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
1,2+Dichloroethanc	107-06-2	mg/L	ND (0.002)	u N	D (0.100) U	ND (0.100) l	J ND (0.002) U	ND (0.010) U	ND (0.002) U					
1,2-Dichloropropane	78-87-5	mg/L	ND (0.001)	U N	D (0.050) U	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
2-Butanone	78-93-3	mg/L	ND (0.003)	U N	D (0.150) U	ND (0.150) U	J ND (0.003) U	ND (0.015) U	ND (0.003) U					
2-Hexanone	591-78-6	mg/L	ND (0.007)	U. N	D (0.350) U	ND (0.350) 1	. ND (0.007) U	ND (0,035) U	ND (0.007) Li					
4-Methyl-2-pentanone	108-10-1	mgL	ND (0.005)	UN	D (0.250) U	ND (0.250) 1	J ND (0.005) + U	- ND (0.025) U	ND (0.005) U.					
Acetone	67-64-1	mg/L	ND (0.006)	U N	D (0.300) U	ND (0.300) U	J ND (0.006) U	ND (0.030) U	ND (0.006) U					
Benzene	71-43-2	mg/L	ND (0.001)	U N	D (0.050) U	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
Bromodichloromethane	75-27-4	mg/L	ND (0.001)	U, N	D (0.050) U	ND (0.050) 1	7 ND (0,001) U	ND (0.005) U	ND (0.001) U					
Bromoform	75-25-2	mg/L	ND (0.001)	ע א	D (0.050) U	ND (0.050) 1	J ND (0,001) U	ND (0.005) U	ND (0.001) U					
Bromomethane	74-83-9	mg/L	ND (0.003)	U N	D (0.150) U	ND (0.150) U	J ND (0.003) U	ND (0.015) U	ND (0.003) U					
Carbon Disulfide	75-15-0	mg/L	ND (0,003)	U N	D (0.150) U	ND (0.150) U	J ND (0,003) U	ND (0.015) U	ND (0.003) U					
Carbon Tetrachionide	36-23-5	mg/L	ND (0.001)	0 N	D (0.050) U	ND (0.050) 1	J - ND (0.001) U -	U (0.005) U	U (100.0) UM					
Chlorobenzenc	108-90-7	mg/L	ND (0.001)	U N	D (0.050) U	ND (0.050) I) ND (0.001) U	ND (0:005) U	ND (0.001) U					
Chloroethane	75-00-3	mg/L	ND (0.003)	U N	D (0.150) U	ND (0.150) U	J ND (0.003) U	ND (0.015) U	ND (0.003) U					
Chloroform	67-66-3	mg/L	ND (0.001)	U N	D (0,050) U	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
Chloromethans	74-87-3	mg/L	ND (0.003)	D. N	D (0.150) U	- ND (0.150) I	J ND (0.003) U	ND (0.015) U						
cis-1,2-Dichloroethene	156-59-2	mg/L	ND (0.002)	U.N	D (0.100) U	ND (0.100) 1) ND (0.002) U	ND (0.010) U	ND (0.002) U					
cis-1,3-Dichloropropene	10061-01-5	mg/L	ND (0.001)	U N.	D (0.050) U	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
Dibromochloromethane	124-48-1	mg/L	ND (0.002)			ND (0.100) U	J ND (0.002) U	ND (0.010) U	ND (0.002) U					
Ethylbenzene	100-41-4	mg/L	ND (0.002)	·U N	D (0 100) U	ND (0.100) 1	J ND (0.002) U	ND (0.010) U	ND (0.002) U					
Methylene Chloride	75-09-2	mg/L	ND (0.002)	∍U N	D (0.100) U	ND (0.100) 1	J ND (0.002) U	ND (0.010) U	ND (0.002) U					
Styrene	100-42-5	mg/L	ND (0.001)	U N	D (0.050) U	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
Tetrachloroethene	127-18-4	mg/L	ND (0.001)		D (0.050) U	ND (0.050) U		ND (0.005) U	ND (0.001) U					
Tomens	108-88-3	mg/L	ND (0,002)			MD (0.100) t		ND (0.010) U	ND (0,002) U					
trans-1,2-Dichloroethene	156-60-5	mg/L	ND (0.002)		aranca Atali Malikan-tana - Maria ata ata ata	ND (6.100) I		ND (0.010) U	ND (0.002) U					
trans-1,3-Dichloropropene			ND (0.001)		. , -	ND (0.050) U	J ND (0.001) U	ND (0.005) U	ND (0.001) U					
Trichloroethene	79-01-6	mg/L	ND (0.001)	TOTAL AND ADDRESS OF THE STREET	atomico de como mantino de como de la como de	ND (0.050) I	and accommendate that the control of	ND (0.005) U	ND (0.001) U					
Vinyl Chloride	75-01-4	mg/L	ND (0.002)			ND (0.100) 1		NT) (0.010) U	ND (0:002) U					
Xylene (Total)	1330-20-7	mg/L	ND (0.001)	U 0:0	82 (0.050) J	0.057 (0.050)	J ND (0.001) U	0.027 (0.005)	ND (0.001) U					

Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-21-GW.

(b) Target Compound List (TCL) volatile organic compounds by EPA SW-846 method 8260.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

Table 4-2 (Continued)

Semivolatile Organic Compound Data Summary **Ground Water Screening Samples** Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS			<u></u>		Sample Identifier			
Analytical Parameter	Registry Number	Units	CPT-08-GW	CPT-09-GW	CPT-09-GW (Duplicate) (a)	CPT-10-GW	CPT-11-GW	CPT-12-GW	CPT-13-GW
TCL Semivolatile Organics (b)	demonstration and management are	Jem	ND (0.001) U	U (100.0) UN	= ND (0.001) U	::::VD+:(0.001)::: U::	. I (0.001) U	ND (0.0009) U	ND (0.001) U
1,2-dichlorobenzer		mg/L mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.0009) U ND (0.0009) U	ND (0.001) U ND (0.001) U
1,4-dichlorobenzer 2,2 oxybis (1-chloropropari	e 106-46-7	mg/L mg/L	ND (0.001) U ND (0.002) U	ND (0.001) U ND (0.002) U	ND (0.001) U ND (0.002) U	ND (0.001) U ND (0.002) U	ND (0.001) U ND (0.002) U	ND (0.0009) U ND (0.002) U	ND (0.001) U ND (0.002) U
2,4,5-trichlorophen	ol 95-95-4	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	: ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0,002) U.
2,4,6-trichlorophen	ol 120-83-2	mg/L mg/L	ND (0,002) U ND (0,001) U	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.0009) U	ND (0.002) U ND (0.001) U
2,4-dimethylphen 2,4-dinitrophen	College of the State of College of the State of	mg/L mg/L	ND (0.001) U ND (0.014) U	0.06 (0.001) ND (0.014) U	0.063 (0.001) ND (0.014) U	ND (0.001) U ND (0.015) U	0.002 (0.001) J ND (0.016) U	ND (0.0009) U ND (0.014) U	ND (0,001) U ND (0,015) UI
2,4-dinitrotoluer 2,6-dinitrotoluer		mg/L mg/L	ND (0.001) U 0.005 (0.002) J	ND (0.001) U 0.002 (0.002) J	ND (0.001) U 0.006 (0.002) J	ND (0.001) U (0.002) J	ND (0.001) U 0.003 (0.002) J	ND (0.0009) U 0.004 (0.002) J	ND (0.001) U ND (0.002) U
2-chloronaphthalei	ie 91-5 8-7	mg/L mg/L	ND (0.001) U U (100.0) UN	ND (0.001) D	ND (6001) U	:: ND (0.001) U	- ND (0.001) U	: ND (0.0009) U	. ND (0.001) U
2-methylnaphthaler	ne 91-57-6	mg/L	0.001 (0.001) J	ND (0.001) U 0.8 (0.095) J	ND (0.001) U 0.71 (0.095) J	ND (0.001) U ND (0.001) U	0.023 (0.001) U 0.023 (0.001)	ND (0.0009) U 0.042 (0.0009)	ND (0.001) U 0.002 (0.001) J
2-methylphen 2-nitroanili	Bobbose and the second	mg/L mg/L	ND (0.001) U ND (0.002) U	0.009 (0.001) J ND (0.002) LJ	0.008 (0.001) J ND (0.002) U	ND (0.001) U ND (0.002) U	0.001 (0.001) J ND (0.002) U	ND (0.0009) U ND (0.002) U	ND (0.001) U ND (0.002) U
2-nitrophen 3,3'-dichlorobenzidir		mg/L mg/L	ND (0.001) U ND (0.005) U	ND (0.001) U ND (0.005) U	ND (0,001) U ND (0,005) U	ND (0.001) U ND (0.005) U	ND (0.001) U ND (0.005) U	ND (0.0009) U ND (0.005) U	ND (0.001) U ND (0.005) U
3-nitroanilir 4,6-dimitro-2-methylipheta	51 556 554 554 SEE BALLERS SPE	mg/L mg/L	ND (0.002) U ND (0.005) U	ND (0.002) U ND (0.005) U	ND (0.002) U ND (0.005) U	ND (0.002) U ND (0.005) U	ND (0.002) U ND (0.005) U	ND (0.002) U	ND (0.002) U
4-bromophenyl phenyl eth	er 101-55-3	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-chloro-3-methylphen 4-chloroanili	ne 106-47-8	mg/L mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.0009) U ND (0.0009) U	ND (0.001) U ND (0.001) U
4-chlorophenyl phenyl eth 4-methylphen	MINERAL CONTRACTOR OF THE PARTY	mg/L mg/L	ND (0.001) U ND (0.003) U	ND (0.001) U 0.018 (0.003)	ND (0.001) U 0.018 (0.003)	ND (0:001) U ND (0:003) U	ND (0.001) U = 0.009 (0.003) J	ND (0,0009) U ND (0,003) U	ND (0.001) U ND (0.003) U
4-nitroanilit 4-nitrophen		mg/L mg/L	ND (0.002) U ND (0.010) U	ND (0.002) U ND (0.009) U	ND (0.002) U ND (0.010) U	ND (0.002) U ND (0.010) U	ND (0.002) U ND (0.011) U	ND (0.002) U ND (0.009) U	ND (0.002) U ND (0.010) U
acenaphther acenaphthyler	REPORT OF REPORT OF STREET	mg/L mg/L	0.002 (0.001) J ND (0.002) U	0.25 (0.095)] 0.029 (0.002)	0.22 (0.095) J 0.026 (0.002)	0.002 (0.001) J ND (0.002) U	0.019 (0.001) ND (0.002) U	0.1 (0.0009) 0.007 (0.002) J	0.002 (0.001) 3 ND (0.002) U
anthracer	ne 120-12-7	mg/L	0.002 (0.001) J	0.009 (0.001)	0.007 (0.001) J	ND (0.001) U	ND (0.001) U	0.006 (0.0009) J	ND (0.001) U
benzo (a) anthracei benzo (a) pyrei	re 50-32-8	mg/L mg/L	0.002 (0.001) J 0.001 (0.001) J	ND (0,001) U ND (0,001) U	ND (0.001) U	ND (0,001) U ND (0,001) U	ND (0.001) U ND (0.001) U	0.001 (0.0009) J ND (0.0009) U	ND (0.001) U ND (0.001) U
benzo (b) fluoranther benzo (ghi) peryler		mg/L mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.0009) U ND (0.0009) U	ND (0.001) U ND (0.001) U
benzo (k) fluoranther		mg/L mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.0009) U	ND (0.001) U ND (0.001) U
bis (2-chloroethyl) eth		mg/L mg/L	ND (0.001) U 0.042 (0.002) U*	ND (0.001) U 0.004 (0.002) U*	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.0009) U	ND (0.001) U
butyl benzyl phthala	te 85-68-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.002 (0.002) (c,d)	ND (0.002) U	0.007 (0.002) U* ND (0.002) U	0.002 (0.002) U* ND (0.002) U
chryse	ne 218-01-9	mg/L mg/L	ND (0.001) U 0.001 (0.001) J	9.36 (0.095) J ND (0.001) U	0.37 (0.095) J ND (0.001) U	0.002 (0.001) J ND (0.001) U	0.003 (0.001) J ND (0.001) U	0.084 (0.0009) V 0.001 (0.0009) J	ND (0.001) J
di-n-butyl phthala di-n-octyl phthala		mg/L mg/L	0.005 (0.002) U* (c) 0.006 (0.002) J(c)	(a) 0.003 (0.002) J.(b) ND (0.002) U	0.004 (0.002) J(c) ND (0.002) U	0.003 (0.002) J(c) ND (0.002) U	0.004 (0.002) J(c) 0.005 (0.002) U*(c)	0.004 (0.002) J (c) ND (0.002) U	ND (0.002) U ND (0.002) U
dibenz (a h) anthracer dibenzofun		mg/L mg/L	ND (0.001) U 0.002 (0.001) J	ND (0.001) U 0.21 (0.095) J	ND (0.001) U . 0.14 (0.001)	ND (0.001) U 0.002 (0.001) J	ND (0.001) U 0.03 (0.001)	ND (0.0009) U 0.087 (0.0009)	PORESTE CONSTRUCTO AND AND ANALOSIS ANALOSIS AND ANALOSIS ANALOSI
diethyl phthala dimethyl phthala	te 84-66-2 te 131-11-3	mg/L mg/L	0.005 (0.002) J ND (0.002) U	ND (0.002) U ND (0.002) U	0.004 (0.002) J ND (0.002) U	ND (0.002) U ND (0.002) U	0.003 (0.002) J	0.006 (0.002) J	ND (0.002) U
a de la	ie 206-44-0	mg/L	0,0 06 (0,001) J	0.002 (0.001) 1	t (1800) 100 0	ND (000) D	0.00) (0.001)	0.006 (0.0009) J	ND (0.001) U
hexachlorobenzer		mg/L mg/L	0.003 (0.001) J ND (0.002) U	ND (0.002) U	ND (0.002) U	0.001 (0.001) J ND (0.002) U	0.015 (0.001) ND (0.002) U	0.046 (0.0009) ND (0.002) U	0.003 (0.001) I ND (0.002) U
hexachlorobutadier hexachlorocyclopentadier	ie 77-47-4	mg/L mg/L	ND (0.002) U ND (0.003) U	ND (0.002) U	ND (0.002) U ND (0.005) 13	ND (0.002) U 0.002 (0.005) (d)	ND (0.002) U ND (0.005) U	ND (0,002) U ND (0,005) U	ND (0.002) U ND (0.003) UI
indeno (1,2,3-cd) pyrer		mg/L mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) 11 ND (0.001) U		ND (0.0009) U ND (0.0009) U	ND (0,001) U ND (0.001) U
isophoror	ne 78-59-1	mg/L mg/L	ND (0.001) U	ND (0.001) U	0.001 (0.001) J ND (0.001) U	ND (0.001) U	ND (0,001) U	ND (0.0009) U	ND (0.001) U
N-nitrosodiphenylamir	ne 86-30-6	mg/L	MD (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U	ИD (0.001) Ц	ND (0.001) U ND (0.001) U	ND (0.0009) U ND (0.0009) U	ND (0.001) U ND (0.001) U
πaphthaler nitrobenzer	ie 98-95-3	mg/L mg/L	0.004 (0.001) J ND (0.001) U	12 (0.095) ND (0.001) U	11 (0.095) ND (0.001) U	0.001 (0.001) J ND (0.001) U	0.12 (0.001) ND (0.001) U	0.71 (0. 005) ND (0.0009) U	0.009 (0.001) J ND (0.001) U
pentachlorophen phenanthrer	August and the second of the second	mg/L mg/L	ND (0.003) U 0.007 (0.001) J	ND (0.003) U 0.088 (0.001)	ND (0.003) U 0.067 (0.001)	ND (0.003) U ND (0.001) U	ND (0.003) U 0.017 (0.001)	ND (0.003) U 0.057 (0.0009)	ND (0.003) U 0.004 (0.001) J
phen pyrer		mg/L mg/L	0.004 (0.001) J 0.006 (0.001) J	0.001 (0.001) J 0.001 (0.001) J	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	0.008 (0.001) J 0.001 (0.001) J	0.003 (0.0009) J 0.009 (0.0009)	0.001 (0.001) J ND (0.001) U
ρ,		U =	(2.201)	(0.001)	(v.vvi) U	(0.001) 0	0,001 (0.001)	5.552 (0.0003)	1.5 (0.001) 0

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample CPT-07-GW.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.
 (c) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- (d) Corrected value resulting from data validation quality assurance review.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample



Semivolatile Organic Compound Data Summary Ground Water Screening Samples Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS				_				Samp	le Identi	fier															_
	Registry						_							_		GEO-17		~				o 40 01	**	or.	0.00.011	
Analytical Parameter	Number	Units	<u>C</u>	PT-21-GV	<i>N</i>	C	PT-22-GV	<i>N</i>	GI	EO-16 <u>-</u> G	W	GE	:O-17-GV	<u> </u>	(Du	plicate) (<u>a)</u> _	CP.	<u>Γ-18-GV</u>	<u>v</u>	GE	O-19-G\	<u>w</u>	GEO	O-20-GW	_
TCl. Semivolutile Organics (b) 124-trichlorobenzene 12-dichlorobenzene	120-82-1 95-50-1	pg/L	MD	(0.001) (0.001)	IJ	ND	(0.001) (0.001)	T)	MD	(0 001) (0 001)	U	ND	(0.001) (0.001)	U		(0.001) (0.001)	U.		0.001)	U U	ND	(0.001) (0.001)	IJ	. אסא	(0.001) ; U (0.001) ; U	rii L
1,3-dichlorobenzene	541-73-1	μg/L	ND	(0.001)	U	ND	(0.001)	U		(0.001)		ND	(0.001)		ND	(0.001)			0.001)	U	ND	(0.001)			(0.001) U	
I,4-dichlorobenzene 2,2'oxybis (1-chloropropane) 2,4,5-trichlorophenol	106-46-7 108-60-1 95-95-4	μ g/L μ g/L	ND ND ND	(0.001) (0.002) (0.002)	U	ND ND ND	(0.001) (0.002) (0.002)	U U	1.00 00 00 00 00	(0.001) (0.002) (0.002)	IJ	ND	(0.001) (0.002) (0.002)	U	- with the second	(0.001) (0.002) (0.002)	IJ	MD (0.001) 0.002) 0.002)	U U		(0.001) (0.002) (0.002)	u.	ND ·	(0.001) U (0.002) U (0.002) U	
2,4,6-trichlorophenol	88-06-2	μg/L	ND	(0.002)	U	ND	(0.002)	U	, c	(0.002)			(0.002)		ND	(0.002)	U	ND (0.002)	U	ND	(0.002)	U	ND	(0.002) U	1
2,4-dichlorophenol	120-83-2	μg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	CONTRACTOR MEN MAN	0.001)	U	ND	(0.001)	III II Martinia suo suose sa		(0.001) U	100
2,4-dimethylphenol	2 C 10 and also 3 to 3 to 3	- Jag/L	DOMESTIC STATE		U.	ND	(0.001)	, U		(0.001)		ACCURAGE AND UNION	(0.001)	2921 80-606	Z Trickini di	(0.001)		i aligni algoralabeliko	0.001)	FII GIFT ÖTTI OTT FÜRT	0,014	(0.001)	CONTRACTOR INC.		(0.001) U	iirini
2,4-dinitrophenol	51-28-5	μg/L	un arai ben arai (191)-	(0.015)	иет-быт-жей эни-Аникана	MD.	(0.014)	sacamu-promise	Stream of a resident	(0.015)	cara uch megale	propullation ben	(0.015)	 herroren men en 	erisəliklə millə qilili qilil	(0.015)	totali aldikalim nempe	0.000 mm 35m35	0.015)	nan-nan-nan-mm-nm-	ND.	(0.016)	St. Carrier and Billion	-000-080-monucus vata	(0.015) U	*****
2,4-dinitrotoluene 2,6-dinitrotoluene	121-14-2 606-20-2	μg/L μg/L	ND 0.003	(0.001)	J	ND 0.006	(0.001) (0.002)	U J		(0.001) (0.002)		ND	(0.001)		ND ND	(0.001)			(0,001) (0,002)	U U	ND ND	(0.001)			(0.001) U (0.002) U	
2-chlorenaphthalene	91-58-7	ng/L	HISTORIA COLUMN	and reconstantion.	Ú	ND	(0.001)		THE PERSON NAMED IN	(0.002)	PRODUCTION OF THE PARTY OF THE	ND	(0.002)	politica des como	ND.	(0.001)	mmanatar-digitaya		0.001)	Ŭ	SANCTOCH SICH SIGN IN	(0.001)	CO TO ALCOHOLOGIC	CONTRACTOR	(0.001) U	
2-chlorophenol	95-57-8	μg/L	Citizen nel et public		U .		(0.001)	U		(0.001)			(0.001)		ND	(0.001)		ND (STATE OF THE OWNER, TH	U.	ND	(0.001)	ı y	ND.	(0.001) U	
2-methylnaphthalene	91-57-6	μg/L	ИD	(0.001)	U	ND	(0.001)	U		(0.001)		0.73	(0.200)			(0.097)	J	,	(0. 00 1)	U		(0.001)			(0.001) U	
2-methylphenol	95-48-7	μg/L	ND	(100.0)	U	ND	(0.001)	U		rankazarean en en en en en		ND	(0.001)	THE WATER STREET		(0.001)	J		0.001)	U		(0.001)	1282 2020 1020 miles		(0.001) U	range:
2-nitroaniline 2-nitrophenol	88-74-4 88-75-5	μg/L μg/L	ND CM	(0.002) (0.001)	U	ND DN	(0:002) (0:001)	U U		(0.002)		ND ND	(0.002) (0.001)	ibar bill		(0.002)			0,002) 0,001)	U n	ND ON	(0.002) (0.001)			(0.002) U (0.001) U	
3,3'-dichlorobenzidine	91-94-1	μg/L	ND	(0.005)	U	ND	(0.005)	U U		(0.002)		ND	(0.002)		ND	(0.002)	recurrence state that contact		0.005)	U	ND	(0.002)			(0.002) U	
3-nitroaniline	99 -09-2	μg/L	ND	(0.002)	U	ND	(0.002)	U				ND	(0.002)		ND	(0.002)			0.002)	U	ND	(0.002)	U		(0.002) U	i
4.6-dimitro-2-methylphenol	534-52-1	μg/L	ND.		U	ND	(0.005)	U		(0.005)			(0.005)			(0.005)			0.005)	IJ.		(0.005)		T	(0.005) U	inai
4-bromophenyl phenyl ether 4-chloro-3-methylphenol		μg/L		error contract Name		ND	(0.002)	20		(0.002)		nahe am un ma	(0.002)	#1.50 mm mm 2	120 mm. - 1 10 m. 112	(0.002)	1. A25 A81. A81. A81. A81. A		K 12:	U		(0.002)			(0.002) U	
4-chloroaniline	59-50-7 106-47-8	μg/L μg/L	ND ND	(0.001)	U U	ND ND	(0.001)	บ บ	ND ND	(0.001)		ND ND	(0.001)		ND ND	(0.001)			(0.001) (0.001)	ប ប	ND ND	(0.001)			(0.001) U (0.001) U	
4-chlorophenyl phenyl ether	ONLY OF REPORT HER THE RANGE		ND	(0.001)	Ú	ND	(0.001)	SAME AND DESCRIPTION	CHIEF SELECTIONS	(0.001)	ER-OMO OPPOSITE	מאי	(0.001)	PROFESSION OF STREET	ND	(0.001)	on man correction (SEE 1996)	ND (Secretary delibration of the	Ü	HIND DOWNSON	(0.001)	memory desired and	a and a still deligible	(0.001) U	956
4-methylphenol	106-44-5	µg/L	ďΩ	(0.003)	b b	ND:	(0.003)	Ü		(0.003)			(0.003)	Apr 11411 - 11711 1 17411		(0.003)		80 m - 10 m	0.003)	U	-MD	(0.003)	U	and the second second	(0.003) U	190
4-nitroaniline	100-01-6	μg/L	ND	(0.002)	U	ND	(0.002)	U		(0.002)		ND	(0.002)		ND	(0.002)			(0.002)	υ	ND	(0.002)			(0.002) U	
4-nitrophenol	100-02-7	μg/L μg/L	ND	(0.010) (0.001)	U TOTAL	ND	(0.009)	U	ND	(0.010)	ene con liderando	ND	(0.010)	Genati Anto American	ND	(0.010)	4000 GENERAL MARKET SEE	GAMICIAN AND APP	0.010)	U	ND	(0.011)	SCALARON INCOMESSARIO	ORDERS REPORTED THAT	(0.010) U	andell .
acenaphthylene	208-96-8	ug/L	ND ND		O .	ND .	(0.001) (0.002)		DOMESTIC STREET	(0.001) (0.001)	C.III III.II (M.IIII)	High district A 12 in	(0,200) (0,001)			(0.097) (0.001)	1		0.001) 0.002)		0.009	(0.001) (0.001)	Million and a second	and a fair shall report the	(0.001) U (0.001) U	elleimi
anthracene	120-12 -7	μg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	man state attach	0.04	(0.001)		0.03	(0.001)			(0.001)	U	annound man and an	(0.001)	mountainen ten.		(0.001) U	
benzo (a) anthracene	56-55-3	μg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	0.01	(0.001)		0.007	(0.001)	J	ND ((0.001)	U	0.017	(0.001)		ND	(0.001) U	j
benzo (a) рутеле		μg/L	ND	(0.001)	Mary Control of the C	ND	(0.001)	districted of the sand		(0.001)		0.01	(0.001)	PER CONTRACTOR				91-91-11	0.001)	Ų		(0.001)			(0.001) U	1151113
benzo (b) fluoranthene benzo (ghi) perylene	191-24-2	μg/L μg/L	ND	(0.001) (0.001)	u Pilania U	ND ND	(0.001) (0.001)	U		(0.001)		0.01	(0.001) (0.001)		ramine and a second	(0.001) (0.001)	CHARLEST SECTION TO THE	man man men men men s	0.001) 0.001)	U	mment of the section of the section of	(0.001) (0.001)		em men. 25m menomen m	(0.001) U (0.001) U	r.mager
benzo (k) fluoranthene		μg/L	ND	(0.001)	U	ND	(0.001)	Ū	ND	(0.001)		ő	(0.001)	J		(0.001)	J		(0.001)	Ü		(0.001)			(0.001) U	
bis (2-chloroethoxy) methane	111-91-1	րջ/Լ.	ND	(0.001)	U	ND:	(0.001)	U	ND	(0:001)		ND	(0.001)	U	ND.	(0.001)	i U - i i	ND (0.001)	. U.	. ND	(0.001)	U	ND	(0.001) U	
bis (2-chloroethyl) ether	P 1997 1997 17.5 A. II III II II III III	µg/L		(0.001)	U	NL	(0,001)	u	85g presimentale	(0.001)		ND	(0.001)	-80 0000 0000 000		(0.001)			0.001)		co ar un aman	(0.001)	di tan managaranya	48 . E marene	(0,001) U	111/1111
bis (2-ethylhexyl) phthalate butyl benzyl phthalate	117-81-7 85-68-7	μg/L μg/L		(0.002)	U*	0.01 ND	(0.002)	U* U		,		ND ND	(0.002)		ND . ND	(0.002)		0.00 7 (ND ((0.002) (0.002)	J U	ND ND	(0.002) (0.002)			(0.002) U (0.002) U	
carbazole	TOTAL AND REPORT OF	μg/L	merce da amon	(0.002)		ND.	(0.002)	1240 1150 1150 1160 1160 1160 1160 1160 116	ANGERS PROPERTY COMES	(0.002) (0.001)	a man come againme	dramation and the	(0.002) (0.001)	an again are more re-	0.2	(0.002)	THE RESERVE	0.002	arass marmon		alia andreamento	(0.002) (0.001)			(0.002) U	
chrysene	218-01-9	րջ/Լ		(0.001)	IJ	ND	(0.001)	U.		(100 0)		0.01	(0.001)			(0.001)			0.001)	ij.		(0.001)			(0.001) U	1112
di-n-butyl phthalate		μg/L		(0.002)		0.005	(0.002)	J(d)				ND	(0.002)	U	ND	(0.602)	U ·	0.002 (0.002)	J (d)	ND	(0.002)	U	ND	(0.002) U	i
di-n-octyl phthalate dibenz (a h) anthracene	ora ara 330 am no same	րանը Մանր		(0.002) (0.001)		0.003	(0.002) (0.001)	recorded in the same	OFFICE STREET,	(0,002) (0,001)	and a second contract		(0.002) (0.001)			(0.002) (0.001)	Maria and the second second second	THE THE SECTION AND ADDRESS.	(0.002) (0.001)	CONTRACTOR DESIGNATION OF THE	di mpanampramaran p	(0.002) (0.001)	DESCRIPTION OF BUILDING	Minutes and the second	(0.002) U (0.001) U	1.11.11
dibenzofuran				(0.001)			(0,001)		distriction and the	(0.001)			(0.200)			(0.097)			0.001)			(0.001)			(0.001) U	Prince Control
diethyl phthalate		μg/L		(0.002)			(0.002)	J	AII = 20: 00 = 00 = 0	(0.002)			(0.002)			(0.002)			0.002)			(0.002)			(0.002) U	
dimethyl phthalate		μg/L	ND	era filminin versiolen a	Makaria are escalada da ana		(0,002)	U		(0.002)		ND	(0.002)	U		(0.002)		OL-OPING PROGRAMME	(0.002)	PRINCIPAL OPERATOR AND	ND	(0.002)	U	A DAMESTING THE PARTY OF THE PA	(0.002) U	B21975
fluoranthene fluorene	and the state of t	H-115-117 3-5-1014		(0.001)	98 11 15 1 MC 17 12		(0.001)		distribution seeming of	(0.001)	namen and militaria	U UPDOSESSION SE	(0.001)	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND		(0.001)			0.001)			(0.001)			(0.001) U	
hexachlorobenzene		μg/L μg/L	prominitely	(0.001)	U	ND ND	(0.001) (0.002)	∏u. U		(0.001) (0.002)		P. All Designation of the	(0.200) (0.002)	entities and a		(0.097) (0.002)			(0.001) (0.002)	U		(0.001) (0.002)			(0.001) U (0.002) U	
hexachlorobutadiene		μg/L		(0.002)		ND	(0.002)	U		(0.002)			(0.002)			(0.002)			(0.002)	Ü		(0.002)			(0.002) U	
hexachlerocyclopentaciene		μg/L	ND	(0.005)	U.	ND	(0.005)	Ů.	HOUSE VERNING TO LAKE	(0.005)	LOCALIST AND DESCRIPTION	ND)	(0.005)	W.	ND	(0.005)	U	ND ((0.005)	, U	of GIVEN THE RESIDENCE OF AN ADMINISTRA	(0.005)	AND DESCRIPTION OF STREET	na arce amen distinguir o	(0.003) U	2070 ±
hexachloroethane	control of the second s	ijg/L		(0.001)	m age activities of the		(0.001)		Edit - et al. 1656; 1650 (166)	(0,001)	man silvan silan silan		(0.001)			(0.001)			(0.001)		To seem small materials	(0.001)	nine production and an		(0.001). U	
indeno (1,2,3-cd) pyrene isophorone		μg/L ug/I	ND	(0.001)		ND	(0.001)			(0.001)		0	(0.001)			(0.001)			(0.001)			(0.001)			(0.001) U	
N-nitrosodi-n-propylamine	78-59-1 621-64-7	μg/L μg/L	ND ND	(0.001) (0.001)	PRODUCTION OF STREET	ND ND	(0.001) (0.001)			(0.001) (0.001)		WATER ALTON	(0.001) (0.001)	and the second second	THE RESERVE THE SPECIAL PROPERTY.	(0.001) (0.001)			0.001) 0.001)		40.000000000000000000000000000000000000	(0.001) (0.001)	AND THE PERSON LESS ASSESSMENT	maranemackin specific	(0.001) U (0.001) U	1.1
N-nifrosodiphenylamine				(0.001)			(0.001)		ALCOHOL: WAR	(0.001)			(0.001)			(0.001)			(0.001)	27		(0.001)			(0.001) U	-
naphthalene	91-20-3	μg/L	ND	(0.001)	The second secon	ND	(0.001)			(0.001)			(0.200)	rector, Francisco	5.5	(0.097)			(0.001)			(0.022)			(0.001) U	
nitrobenzene	98-95-3	μg/L	Mary were than you are	(0.001)	O Made communication of the second	ND	(0.001)	U		(0.001)			(0.001)		F. H. He. Landy community			1270 mm 11 1150 mm 1	0.001)		-commonweller	(0.001)		en man en de come com es	(0.001) U	1107041
pentachlorophenol phenanthrene		μg/L μg/L		(0.003)	- 3	ND ND	(0.003)			(0.003)			(0.003)	55.00 FIG. 8		(0.003)	Co. more and the same		(0.003) (0.001)		8	(0.003)		THE PROPERTY.	(0.003) U	
phenol	108-95-2			(0.001)			(0.001) (0.001)	j J		(0.001) (0.001)			(0.200)			(0.097) (0.001)			0.001) 0.001)			(0.001) (0.001)			(0.001) U (0.001) U	
pyrene		μg/L		(0.001)			(0.001)			(0.001)			(0.001)			(0.001)			0.001)			(100.0)			(0.001) U	

ND denotes "Not Detected" at method detection limit shown in parentheses.

- (a) Listed on chain-of-custody documentation as sample GEO-21-GW.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.
- (c) Corrected value resulting from data validation quality assurance review.
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- U qualifier denotes not detected.
- qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

 U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

 UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher that the value shown in parentheses due to a bias identified during the data validation quality assurance review.



Volatile Organic Compound Data Summary Ground Water Monitoring Samples Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS								Sam	ple Identi	fier						
	Registry															MW-13	
Analytical Parameter	Number	Units		MW-10			MW-11			MW-12			MW-13		(Dt	plicate) (b)
TCL Volatile Organics (c)																	
1, I, I-Trichloroethane	71-55-6	mg/L	ND	(0.001)	U.	ND	(0.001)	g.	ND	(100.0)	U	ND	(0.001)	W.	מא	(0.001)	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	MD	(0.002)	U	ND	(0.002)	U	: ND	(0.002)	U	ND"	(0,002)	U	, ND	(0.002)	u.
1,1,2-Trichloroethane	79-00-5	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
1,1-Dichloroethane	75-34-3	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
1,1-Dichloroethene	75-35-4	mg/L	ND	(0.001)	U	ND	(0.001)	u.	MD	(100.0)	. U	MD	(0.001)	L)	WD.	(0.001)	U
1,2-Dichloroethane	107-06-2	mgI.	ND	(0.002)	U	ND	(0.002)	U.	ND	(0.002).	U	ND	(0.002)	ŭ:	ND	(0.002)	U
1,2-Dichloropropane	78-87-5	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
2-Butanone	78-93-3	mg/L	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U
2-Hexanone	591-78-6	mg/L	ND	(0.007)	, U :=	MD.	(0.007)	U.	ND.	in 100-000-008-0002	U.	. ND	(0.007)	Same State Burdel	ND:	(0.007)	
4-Methyl-2-pentanone	. 108-10-1	mg/L	ND.	(0,005)	U.	ND	(0.005)	u	ND	(0.005)	U	, NO	(0.005)	U,	- ND	(0.005)	l III
Acetone	67-64-1	mg/L	ND	(0.006)	R	ND	(0.006)	R	ND	(0.006)	R	ND	(0.006)	R	ND	(0.006)	R
Benzene	71-43-2	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
Bromodichloromethane	75-27-4	mgL .	ND	(0.001)		. ND	(0.001)	U.	ND.	(0,001)	U.	ND.	(0.001)	U,	, ND	(0.001)	ı V
Hicmoloru	75-28-2	mg/L .	ND	(0.001)	Elitabeth ment Activities	· ND	(0,001)	U,	MD	(0.001)	U	ND.	(0.001)		ND.	(0.001)	
Bromomethane	74-83-9	mg/L	ND	(0.003)	U	ND	(0.003)	U	ИD	(0.003)	U	ND	(0.003)	U	ИD	(0.003)	U
Carbon Disulfide	75-15-0	mg/L	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)		ND	(0.003)	U	ND	(0.003)	U
Carpon Tetrachloride	56-23-5	mg/L	ND.	(0.001)		. ND	(0,001)	U	ND		IJ	עא	(0,001)	U.	ND.	(0.001)	
Chlombenzene	108-99-7	mg/L	. MD	(1000)		_ MD	(0,001)		MD	(0.001)	U	ND	(0.001)	u U	, ND	(0.001)	IJ.
Chloroethane	75-00-3	mg/L	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U	ND	(0.003)	U
Chloroform	67-66-3	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
Chloromethane	74-87-3	mg/L	, ND	-(0.003)	U-	ND	(0.003)		ND.	(0.003)	U	ND.	(0,003)	4 manufa 1991 - 190	ND.	(0.003)	ZIJITEN STERIOP
cis-1,2-Dichloroethene	156-59-0	ng/L	ND	(0.002)	discussion program	ND	(0,002)	minition, commen	ND	(0.002)	, U, I	ND.	(0.002)	sacramento (1811-188	ND.	(0.002)	r armentalalization.
cis-1,3-Dichloropropene	10061-01-5	mg/L	ИD	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	υ	ND	(0.001)	U
Dibromochloromethane	124-48-1	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
Ethylbenzene	100-41-4	mg/L	ND	(0.002)		ND	(0.002)			(0,002)	U	ND	(0.002)	" U.	- ND	(0.002)	
Methylene Chlonde	75-09-2	mg/L	ND	(0.002)	irbann asaga	MD	(0.002)	· U	ND:	(0.002)		ND:	(0.002)	U	ND	(0,002)	*** ***
Styrene	100-42-5	mg/L	ND	(0.001)	Մ	ND	(0,001)	U	ND	(100.0)	U	ND	(0.001)	U	ND	(0.001)	Ü
Tetrachloroethene	127-18-4	mg/L	ND	(0.001)	U	ND	(0,001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	And the second second
Toluene trans-1.2-Dichleroethene	108-88-3	mg/L	ND.	(0.002)		ND:	(0.002)		ND	(0,002)	U	ND	. (0.002)	IJ.	ND	(0.002)	
	156-60-5	mg/L	MD		U	ND	(0.002)	til lifti Paniman.	ND	(0.002)	U	ND.	(0.002)	.U.	ND:	(0.002)	Ų
trans-1,3-Dichloropropene	10061-02-6	mg/L	ND	(0.001)	Ū	ND	(0.001)	Ü	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
Trichloroethene	79-01-6	mg/L	ND	(0.001)	U	ND	(0.001)	U Same	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
Vinyl Chloride	75-01-4	mg/L	ND	(0.002)	U	ND.	(0.002)	Ŭ.	ND	(0.002)	U.	ND	(0,002)	U,	ND	(0.002)	
Xylene (Total)	1330-20-7	mg/L	MD	(0.001)	U	ND.	(0.001)	E E	0.004	(0.001)		ND	(0.001)	.U.	MD.	(0.001)	LJ.

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample MW-19.
- (b) Listed on chain-of-custody documentation as sample MW-23.
- (c) Target Compound List (TCL) volatile organic compounds (VOCs) by EPA SW-846 method 8260.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- R qualifier denotes unusable result identified during data validation quality assurance review; analyte may or may not be present in the sample.



Semivolatile Organic Compound Data Summary Ground Water Monitoring Samples Phase If Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

				Ha	attiesburg, Mississippi				
	CAS								
	Registry					Sample Identifier		3.077.00	1,417,00
Analytical Parameter	Number	Units	MW-01	MW-03	MW-04	MW-05	<u>MW-06</u>	MW-07	MW-08
TCL Semivolatile Organics (a)	1 1 30 00 1			ND (0.001) U		ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
1,2,4-trichlerebenzene 1,2-dichlerebenzene	120-82-1 95-50-1	mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U	ND (0.001) U ND (0.001) U		ND (0.001) U	ND (0.001) U	ND (0.001) U
1,3-dichlorobenzene	541 -7 3-1	mg/L mg/L	ND (0.001) U	ND (0.001) U	ND (0,001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,2 exybis(1-chioropropane)	108-60-1	mg/L	ND (0.002) U	ND (0.002) U	na ann ann arreigne ann ann ann ann an air athreigh ata	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4,5-trichlorophenol	Links and the Statistics	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) L	Man mad appeared of the control of t	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002) U	ND (0,002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4-dichlorophenol	120-83-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,4-dimethylphenol	105-67-9	mg/L	ND: (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.048 (0.001)	ND (0.001) U-	ND (0.001) U
2,4-dinitrophenol	51-28-5	mg/L	ND (0.015) U	ND (0.015) U	ND (0.015): U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0,015) L
2,4-dinitrotoluene		mg/L	ND (0.001) U	ND (0.001) U	ND (0,001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,6-dinitrotoluene	606-20-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2-chloronaphthalene		mg/L	ND (0.001) U	(0.001) U	ND (0.001) L		ND (0.001) U	ND (0,001) U	ND (0.001); U
2-chlorophesol	95-57-8	mg/L	ND (0.001) U	(0.001) U	ND (0.001) L		ND (0.001) II	ND (0.001) U	ND (0.001) U
2-methylnaphthalene 2-methylphenol	91-57-6 95-48-7	mg/L mg/L	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U	, ,	0.033 (0.001) 0.035 (0.001)	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U
2-nitroaniline	THE RESERVED AND ADDRESS OF THE PARTY OF THE	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	OF THE OWNER WAS ASSESSED. AND ADDRESSED OF THE OWNER WAS ASSESSED.	ND (0.002) U	ND (0.002) U	MD (0.002) U
2-nitrophenol	STREET, STREET	mg/L	ND (0.001) U	ND (0001) U	ND (0.001) U	U (10001) U	100 (0.001) U	ND (0.001) U	U (10019) UM
3,3'-dichlorobenzidine	THE STREET OF THE STREET, W.	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	AND THE RESIDENCE AND SELECTION AND ADDRESS OF THE	ND (0.002) U	ND (0.002) U	ND (0.002) U
3-nitroanitine	99-09-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4,6-dinitro-2-methylphenol	534-52-1	mg/L	ND (0.005) U	ND (0.005) U	ND (0.005) L	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U
 4-bromophenylphenylether 	101-55-3	mg/L	ND (0.802) U	ND (0.002) U	ND (0.002) L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-chloro-3-methylphenol	59-50-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-chloroaniline	DESCRIPTION OF THE AMERICAN	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	rarrow and man act and considerate and the constant of the constant of	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-chlorophenylphenylether	South Albatic States (1941) - CONTROL - CONTRO		ND (0.001) U	ND (0.001) U	CHEST THE TRAINING THE CONTRACT OF THE CHEST OF THE CHARLES		ND (0.001) U	ND (0,001) U	ND (0.001) U
4-methylpheriol	106-44-5	mg/L	ND (0.003) U	ND (0.003) U	in the broad and a series in the contract and the property of the contract and the contract	the Selection (SDS 250) was an included from building statistics and in-	0.008 (0.003) 1	ND (0,003) U	MD (0.003) U
4-nitroaniline	100-01-6 100-02-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	, ,	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-nitrophenol	PERCENTION OF THE PROPERTY.	mg/L mg/L	ND (0.010) U ND (0.001) U	ND (0.010) U ND (0.001) U	ND (0.010) U	ND (0.010) U ND (0.001) U	ND (0.010) U 0.023 (0.001)	ND (0.010) U ND (0.001) U	ND (0.010) U ND (0.001) U
acenaphthylene	CHRONIC PROPERTY AND ADDRESS.	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	The first of the control of the second secon	ND (0.001) U	ND (0.001) U	ND (0.001) U
anthracene	in transition of the carrier and are an are an are an area.	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	CHARL THE HERE SEED CONTRACTOR OF THE TENED AND THE SEED OF	0.001 (0.001) J	ND (0.001) U	ND (0.001) U
benzo(a)anthracene		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U		ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(a)pyrene	50-32-8	mg/L	MD (0.001) U	ND (0.001) U	THE OF THE SECTION AND ADDRESS OF THE SECTION OF TH	ni necesaran mani mani Ataburu Pili Persani in terfi sani Ala Jawa in me	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(b)fluoranthene	205-99-2	mg/L	ND (0.001) U	ND (0.001) U	(0:001) L	ND (0.001) U	ND (0.001) U	ND (0,001) U	ND (0.001) U
benzo(ghi)perylene		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(k)fluoranthene	Matempronie isotali, modeli	mg/L	ND (0.001) U	ND (0.001) U	U (100.0) CM	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
bis(2-chloroethoxy)methane		mg/L	ND (0.001) U	ND (0:001) U	Eligibili mem dedir mada sesar etak aras saba misa menerak birak d	THE SALE OF STREET, AND ADDRESS OF SALES AND ADDRESS OF SALES	ND (0.001) U	ND (0.001) U	ND (0.001) U
bis(2-chloroethyl)ether	111-44-4	mg/L	ND (0.001) U	CARROLLE STREET, STREE	market men man, and the property of the presentation and	HIRITATION SERVICE MEDITION CONTINUES AND ACT OF SERVICE AND	ND (0.000) U	U (1000) U	MD = (0.001) = 11
bis(2-ethylhexyl)phthalate		mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	, ,	` '	0.004 (0.002) J(b)	ND (0.002) U
butylbenzylphthalate carbazole	PROPERTY AND SECOND COMPANY	mg/L ng/L	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U	ND (0.002) U	e man annianen enem aktivisteksität tiote matematikun etti 100	ND (0.002) U 0.025 (0.001)	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) L
The state of the s	218-01-9	mg/L	ND (0.001) U	ND (0.001) U	TO THE UNKNOWN SERVICE WITH THE PROPERTY OF THE		ND (0.001) U	ND (0.001) U	ND (0.001) U
di-n-butylphthalate		mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ments annumentalisment of the commence of the commence of	ND (0.002) U	ND (0.002) U	ND (0,002) U
di-n-octylphthalate		mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	, ,	ND (0.002) U	ND (0.002) U	ND (0.002) U
dibenz(a,h)anthracene		mgL =	ND (0.001) U	U (1000) CIM	CORNER OF THE SECRET CORNER OF		U (100.0) QK	ND (0.001) U	ND (0,001) U
dibenzofiuan		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) t	MD (0.001) U	0.043 (0.001)	ND (0.001) U	ND (0.001) U
diethylphthalate		mg/L	ND (0.002) U	ND (0.002) U	• •	, ,	ND (0.002) U	ND (0.002) U	ND (0.002) U
dimethylphthalate	131-11-3	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ADMINISTRAÇÃO DE COMPONENTA DE SERVICIO DE SERVICIO DE COMPONIO DE	ND (0.002) U	ND (0.002) U	ND (0.002) U
fluoranthene	206-44-0	mg/L	ND (0.001) U	Control of the contro	The last the			ND (0.001) U	ND (0.001) U
	99-7-7-7	HIBAL.	ND (0.001) U	minima and the second residence of the second secon	THE REST OF SHIP SHIP THAT THE WARREST STATE WERE TRANSPORTED THE HE	Company of the Compan	0.013 (0.001)	ND (0.001) U	MD (6001) II
hexachlorobenzene hexachlorobutadiene		mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	, ,	ND (0.002) U	ND (0.002) U	ND (0.002) U
hexachiorocyclopentadiene	and an incompany way was recommended	mg/L mg/L	ND (0.002) U ND (0.003) U	ND (0.002) U ND (0.005) U	ND (0.002) U	en anno processores como como como como como como como com	ND (0.002) U ND (0.005) II	ND (0.002) U	ND (0.002) U ND (0.005) U
hexachloroethanc		mg/L	ИD (0.001) U	ND (0.001) U	with the control of t	to the first of the second	COLUMN THE SECTION OF THE PROPERTY OF THE PROP	ND (0.005) U ND (0.001) U	ND (0.005) U ND (0.001) U
indeno(1,2,3-cd)pyrene	Annual Control of the	the state of the s	ND (0.001) U	ND (0.001) U	ND (0.001) U	mentioned mode access as well appropriate point about the Color of the	ND (0.001) U	ND (0.001) U	ND (0.001) U
isophorone		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U		ND (0.001) U	ND (0.001) U	ND (0.001) U
N-nitrosodi-n-propylamine	621-64-7		ND. (0.001) U	ND (0.001) U		and the control of th	ND (0.901) U	ND (0.001) U	ND (0.001) U
N-nitrosodiphenylamine		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U			ND (0.001) U	ND (0.001) U
naphthalene		mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	Committee and A. S. Committee of the Com	0.8 (0.010)	ND (0.001) U	ND (0.001) U
nitrobenzene	AB-NUMBER COST BASE HOLERON	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U		ND (0.001) U	ND (0.001) U	ND (0.001) U
pentachlorophenel	SECURIORI MATERIALISMO	mg/L	ND (0.003) U			TO SEED THE RESIDENCE OF THE PROPERTY OF THE PARTY OF THE	ND (0.003) U	ND (0.003) U	ND (0.003) U
# 28 21 21 21 21 21 22 22 23 34 34 34 34 34 34 34 34 34 34 34 34 34	CONTRACTOR OF THE OWNER OF THE OWNER OF THE OWNER.	mg/L	ND (0.001) U	D,002 (0,001) J	ND (0,001) L	Colorador, mentalem recompanyone seguinaria productiva della companyone della colorada della col	0.013 (0.001)	ND (0.001) U	ND (0.001); U
phenol	108-95-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.008 (0.001) J	ND (0.001) U	ND (0.001) U

ND (0.001) U

Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

pyrene 129-00-0 mg/L

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.

(b) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process. U qualifier denotes not detected.

ND (0.001) U

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

ND (0.001) U



Semivolatile Organic Compound Data Summary Ground Water Monitoring Samples Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS					Sample Identifier			
1.1.2.15	Registry	** **	> 577 AO	MW-09	1.577.10	3.077.11	MW 12	MW 12	MW-13
Analytical Parameter TCL Semivolatile Organics (c)	Number	Units	MW-09	(Duplicate) (a)	MW-10	MW-11	MW-12	MW-13	(Duplicate) (b)
1.2.4-trichlorobenzene	120-82-1	mg/L	ND (0.001) t	. ND (0.001) U	ND (0,001): U	ND (0.001) U	D (0.001) U	ND (0.001) U	. ND (0.001) U
1,2-dichlorobenzens	HARLINGH CHARLES THE CALL HARLE	mg/L	ND (0.001) L		ND (0.001) U	Designation of the control of the co	g spage wer say any management and spiral and an en-	ND (0.001) LF	ND (0.001) U
1,3-dichlorobenzene		mg/L	ND (0.001) U	` '	ND (0.001) U	, ,	,,	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U
1,4-dichlorobenzene 2,2 oxybis(1-chloropropane	CONSTRUMENTAL NOTICE AND THE CORRECTOR	mg/L mg/L	ND (0.001) U ND (0.002) U	Same are a construction and a construction are a final construction of the constructio	ND (0.001) U ND (0.002) U	anna mananan marinak alah alah dalik biri inti inti inti inta inta inta inta	en sen som enden men ann ann de sterre en ann an ann an an an an an an an an an	ND (0.002) U	ND (0.001) U
2,4,5-michlarapbeno	COLUMN THE COLUMN THE CASE OF	mg/L	ND (0.062) L	mati updirdati dali dichi ilian diritrasti distribur atti dilabung bira :	ND (0.002) U	THE REPORT OF THE PROPERTY OF	50 TP 04 TB 04 GEO COLO COLO COLO COLO COLO COLO COLO CO	ND (0.002) U	ND (0.002) U
2,4,6-trichloropheno		mg/L	ND (0.002) U	, , ,	ND (0.002) U		- ' '	ND (0.002) U	ND (0.002) U
2,4-dichloropheno 2,4-dimethylpheno	a anno azar amb american ama am	mg/L mg/L	ND (0.001) U ND (0.001) U		ND (0.001) U ND (0.001) U	CONTRACTOR OF THE PROPERTY OF	THE RESERVE OF THE PARTY OF THE	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U
2,4-dinitropheno	CHARLESTON COLUMN	mg/L	ND (0.015) L		ND (0.015) U			ND (0.015) U	ND (0.016) U
2,4-dinitrotoluene	time agreemant contains agreement	mg/L	ND (0.001) U		ND (0.001) U	definition of the state of the	A A SA A A A A A A A A A A A A A A A A	ND (0.001) U	ND (0.001) U
2,6-dinitrotoluene	THE STATE OF THE S	mg/L	ND (0.002) L		ND (0.002) U		The second secon	ND (0.002) U	ND (0.002) U
2-chloronaphthalere 2-chloropheno		mg/L mg/L	ND (0.001) L ND (0.001) L	a nar malini par um nar malini bah melaphi da da da	ND (0.001) U ND (0.001) U		and the contract of the contra	ND (0.001) U : ND (0.001) U :	ND (0.001) U ND (0.001) U
2-methylnaphthalene	nen minimisentaminimisentami	mg/L	0.43 (0.020)	0.5 (0.030)	ND (0.001) U	ay and the property of the part of the same of the sam	THE DESIGNATION OF THE PROPERTY OF THE PROPERT	ND (0.001) U	ND (0.001) U
2-methylpheno	aran manazana aran aran aran aran aran aran ar	mg/L	ND (0,001) U	and the same and t	ND (0,001) U	as ancie, anno mon mesa medica pere pere pere pere pere pere pere per	armonimo menerale, mantenara de la colonida com cuertos com c	ND (0.001) U	ND (0.001) U
2-nitroanilin		mg/L	ND (0.002) L	T-MAN, MAN MANAGEM ARM - ORDA MAN "MANAGEMENTAL "DEPLYAÇÃO ARMENTAL	ND (0.002) U	H SHE HEE SHE OCCUPANCE HER HAD ENGINE UP LIFE ON THE		ND (0.002) U	ND (0.002) U
3,3'-dichlorobenziding		mg/L mg/L	ND (0.001) L ND (0.002) U	E STAN SELECTION SERVICES SERVICES SERVICES AND MARKET SELECTION SERVICES AND	ND (0.001) U ND (0.002) U	handrather bersammer ann ann ann ann ann ann ann an ann an 15. 15. 1	THE SECOND CONTRACTOR OF THE PROPERTY OF THE SECOND CONTRACTOR OF THE S	ND (0.001) U ND (0.002) U	ND (0.002) U
3-nitroaniline		mg/L	ND (0.002) U	, , .	ND (0.002) U	1 .	' '	ND (0.002) U	ND (0.002) U
4,6-dinitro-2-methylpheno	Paratha Afferial de São Sale Sensil	mg/L	ND (0.005) L	unident stein stein stein stein automatika bei naven automatika inden filosio sisab albeit.	ND (0.005) U	PERSONAL PROFESSIONAL DIVIDENCE DEPOSITE PROFESSIONAL PRO		ND (0.005) U	ND (0.005) U
4-bromophenylphenylethe 4-chloro-3-methylpheno	or minimum feat day for state to	mg/L mg/L	ND (0.002) L ND (0.001) U	SISTEM SECURITION SECTION SHOWS SHOW SIGHT ADMINITED THAT THE STATE COMPLETE AND	ND (0.002) U ND (0.001) U	e esse mene sistin meni man man man man nama nama nama and man and man sistin men	pparameter and community and set and another manager in	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U
4-chloroaniline		_	ND (0.001) U	, , ,	ND (0.001) U ND (0.001) U	, ,	` '	ND (0.001) U	ND (0.001) U
4-chlorophenylphenylethe		State of the state	ND (0.001) L	J ND (0.001) U	ND (0.001) U		ND (0.001) U	ND (0,001) U	ND (0.001) U
Herio	in many and admission substitution and	Demonstrate Seed :: 11311711171	ND (0.003) L		ND (0.003) U	the manufacture of the other designation of the contract of th	THE RESERVE THE PROPERTY OF TH	ND (0.003) U	ND (0.003) U
4-nitroaniline 4-nitropheno		-	ND (0.002) L ND (0.010) L		ND (0.002) U ND (0.010) U		,	ND (0.002) U ND (0.010) U	ND (0.002) U ND (0.010) U
acenaphthen	83-32-9	mg/L	0,19 (0,020) j	NETE, MARTINERS, ALTER AND	ND (0.001) U	constructed that the control from the prescription against a section of the control of the contr	на частного при Заполения под прина на	ND (0.001) U	ND (0.001) U
acenaphthylene		namanan mpaan paga yan.	0.007 (0.001) J	manufacture and are subject where we will be an in the pre-	ND (0001) U	THE PROPERTY OF THE PROPERTY O		ND (0.001) U	NO (0.001) U
anthracene benzo(a)anthracene		mg/L mg/L	0.005 (0.001) J ND (0.001) U		ND (0.001) U ND (0.001) U		• /	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U
benzo(a)pyren	CONTRACTOR AND ADDISORDED FOR THE	mg/L	ND (0.001) 1	COLUMN TO A STATE A STATE AND	ND (0.001) U	ministration and a minimum manufacture and a delicated state of the st	a and rate and recover the refer the second reference and and	NTD (0.001) U	ND (0.001) U
benzo(b)fluoranthen			ND (0.001) (THE RESENTANCE BEAUTIFUL THE HEALTH AND THE HEALTH HEALTH AND THE HEALTH	ND (0.001) U	neprinting out and and and an interest of the second of the second	STATE AND SERVICES AND THE PROPERTY OF THE SERVICES AND T	ND (0,001) U	ND (0:001) U
benzo(ghi)perylene benzo(k)fluoranthene		-	ND (0.001) L ND (0.001) L	, ,	ND (0.001) U ND (0.001) U	• •	` '	ND (0.001) U ND (0.001) U	ND (0.001) U ND (0.001) U
bis(2-chloraethoxy)methan	CHAIR, JOHN JOHN, Work John John Chair	mg/L	ND (0.001) I	DE DIDITAGIS DEDITAGO, DAN AMBARDO DAS AMBARDO DAN AMBARDO DA	ND (0.001) U	INCOME DESCRIPTION OF THE PROPERTY OF THE PROP	el marcanaman nel marcanaman de començar de la començar de la comença de la comença de la comença de la començ	ND (0.001) U	ND (COOL) U
bis(2-chloroethyl)ethe	SAND AND ADDRESS OF AND ADDRESS OF	mg/L	ND (0.001) (at and the training and the control of the control	ND (0,001) U	mineral manufactura de la companya de la compa	CHAPMAN AND APPEARS AND AND AND AND AND APPEARS AND EAST	ND (0.001) U	ND (0.001) U
bis(2-ethylhexyl)phthalate butylbenzylphthalate		mg/L mg/L	ND (0.002) L ND (0.002) L	/ -	ND (0.002) U ND (0.002) U	` '		ND (0.002) U ND (0.002) U	ND (0.002) U ND (0.002) U
	1905-1001-1001-000-000-000-000	mg/L	0.11 (0.001)	0.12 (0.002)	ND (0.002)	สมรายายายายาสายสายเกรียกของ ขาว สายใกรยายายายายายาย	COMPONENT, THE COMPONENT AND ADDRESS OF THE PARTY OF THE	ND (0.002)	ND (0.001) U
chysco	ACCURAGE BEAUTIFUL SERVICE SERVICES	mg/L	ND (0.001) t	THE RESERVED AND ADDRESS OF THE PROPERTY OF TH	ND (0,001) U	, ND (0.001); U	ND (0.001) U	ND (0.001) U	ND (0.001) U
di-n-butylphthalate		mg/L	ND (0.002) U	, ,	ND (0.002) U			ND (0.002) U	ND (0.002) U
di-n-octylphthalate dibanz(ali)anthracen	William and the same of the same	mg/L mg/L	ND (0,002) (ND (0,001) (ย ยาย ยาย สามารถ สามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสาม	ND (0.002) U ND (0.001) U	escapes estas as transporting area treatment manufacturing than the more more		ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U
dibenzofura		The property of the second sec	0.12 (0.001)		ND (0:001) U	PRODUCTION OF THE PRODUCT OF THE PRO		ND (0.001) U	ND (0.001) U
diethylphthalat		mg/L	ND (0.002) U	` '	ND (0.002) U		, ,	ND (0.002) U	ND (0.002) U
dimethylphthalat	OT THE STANISH AND RESIDEN	HILLSHOP FROM HERE STREET, STREET, ST.	ND (0.002) U 0.007 (0.001) 1	na akan anan antan men anan menerungkurun sepun mereliasa seser soon aser	ND (0.002) U ND (0.001) U	anneren bener eran eran eran eran eran bener mantenar eran bener eran eran eran eran eran eran eran	от на видот от на отделения в применя в п	ND (0.002) U ND (0.001) U	ND (0.002) U ND (0.001) U
in the state of th	COLUMN TRANSPORT OF THE PROPERTY OF THE PROPER	mg/L	0.093 (0.001)	0.1 (0.001)	ND (0.001) U		that with man, also also also also and man, the other man man man that a	ND (0.001) U	ND (0.001) U
hexachlorobenzen		•	ND (0.002) t	J ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
hexachlorobutadien	SECURE SECURE AND ALCOHOLS	mg/L mg/L	ND (0.002) U ND (0.003) U		ND (0.002) U ND (0.005) U	no contre compane de como conferencia de trata como esta terra como como como como como como como com	नायक व्यवस्था प्राच्या नावस्थित के साध्यक्षा कर्मा व्यवस्था है। स्थान स्थाप साध्यक्ष साध्यक्ष सम्बद्धा साध्यक्ष	ND (0.002) U	ND (0.002) U
bexachloroethan		mg/L	ND (0.001) t	S 1959 (1956) A. Ali Antonio di A	ND (0001) U	AN ADMINISTRATING THE		ND (0.005) U ND (0.001) U	ND (0.005) U ND (0.001) U
indeno(1,2,3-cd)pyrene		mg/L	ND (0,001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0,001) U
isophorone N-nitrosodi-n-propylamine	ORIGINAL OPERATOR APPROPRIATE AND A SECOND	mg/L mg/L	ND (0.001) U ND (0.001) U		ND (0.001) U			ND (0.001) U	ND (0.001) U
N-mitrosodiphenylamin		mg/L	ND: (0.001) t		ND (0.001), U.,			ND (0,001) U. ND (0,001) U	ND (0.001) U ND (0.001) U
naphthalene		mg/L	2.1 (0.020)	2.4 (0.030)	ND (0.001) U	ND (0.001) U 0	.072 (0.001)	ND (0.001) U	ND (0.001) U
nitrobenzene p eninchlorophene		mg/L mg/L	ND (0.001) U ND (0.003) U	CONTRACTOR CONTRACTOR AND	ND (0.001) U	m. manual	manufarus destrutes confirmation una abase communication describes a	ND (0.001) U	ND (0,001) U
phenanthrene	AND SHELL THE RESIDENCE HERE SHELD	mg/L	0.052 (0.001)	J ND (0.003), U 0.058 (0.001)	ND (0.003) U ND (0.001) U		are de la collecta d	ND (0.003) U ND (0.001) U	ND (0.003) U ND (0.001) U
pheno		mg/L	ND (0.001) U	J ND (0.001) U	ND (0.001) U			ND (0.001) U	ND (0.001) U
pyrene	129-00-0	mg/L	0.004 (0.001) J	0.004 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0,001) U	ND (0.001) U	ND (0.001) U

Notes

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample MW-19.

(b) Listed on chain-of-custody documentation as sample MW-23.

(c) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.





PAH Compound Data Summary Ground Water Monitoring Samples Phase II Remedial Investigation

> Gulf Coast Creosoting Site Hattiesburg, Mississippi

CAS Registry Sample Identifier Number Analytical Parameter Units MW-01 MW-03 MW-04 MW-06 MW-05 MW-07 MW-08 PAH Compounds (a) Acenaphthene 83-32-9 mg/L ND (0.000780) UJ ND (0.000780) U ND (0.00079) U (0.000800) UJ ND 0.026 (0.00081) J MD (0.00083) UJ ND (0.00081) UJ Acenaphthylene 208-96-8 ND (D.000780) TJJ ND (0.000780) U ND. (0:00079) U ND (0.000800) UJ 0.026 (0.00081) J ND (0.00081) UJ ND (0.00083) UJ Anthracene 120-12-7 mg/L (0.000030) UJ 0.000178 (0.000030) J 0.000031 (0.000030) U ND (0.000031) UJ 0.00075 (0.000031) J (0.000032) UJ ND ND (0.000031) UJ Benzo(a)anthracene 56-55-3 mg/L ND (0.000018) UJ 0.00131 (0.000017)ND (0.000018) U 0.000018 (0.000018) J (0.000018) UJ ND (0.000019) UJ ND (0.000018) UJ Benzo(a)pyrene 50-32-8 mg/L ND (0.000021) UJ 📲 ND (0.000021) U ND (0.000022) U 0.000032 (0.000022) J ND 10.000022Y UJ ND (0,000023) UJ ND (0.000022) UJ Benzo(b)fluoranthene 205-99-2 ND (0.000034) U.I. ND (0.000034) U ND (0.000034) U 0.000047 (0.000035) J ND (0.000035) UJ MD (0,000036) LU ND (0.000036) UI Benzo(g,h,i)perylene 191-24-2 mg/L ND (0.000097) UJ ND (0.000096) U ND (0.000097) U (0.000099) UJ (0.000100) UJ ND (0.000100) UJ ND (0.000100) UJ Benzo(k)fluoranthene 207-08-9 mg/L ND (0.000026) UJ ND (0.000026) U ND (0.000027) U (0.000027) UJ ND ND (0.000027) UJ ND (0.000028) UJ ND (0.000027) UJ Chrysene 218-01-9 mg/L (0.000058) J 0.0039 .000067 (0.000057) 0.000063 (0.000058) J ND (0.000059) UJ ND (0.000060) UJ ND (0.000061) UJ ND (0.000060) UJ Dibenzo(a,h)anthracene 53-70-3 mg/L ND (0.000046) UJ ND (0.000046) U ND (0.000046) U ND (0.000047) UJ ND (0.000048) UJ ND (0.000049) UJ ND (0.000048) UJ Fluoranthene 206-44-0 mg/L ND (0.000020) UJ 0.00038 (0.000019) ND (0.000020) U 0.000074 (0.000020) J 0.00052 (0.000020) J ND (0.000021) UJ ND (0.000020) UJ Fluorene 86-73-7 mg/L ND (0.000170) UJ 0.00099 (0.000160)ND (0.00017) U ND (0.000170) UJ 0.0155 (0.0034)ND (0.000180) UJ ND (0.00017) UJ Indeno(1,2,3-cd)pyrene 193-39-5 mg/L MD (0 000063) UJ (0.000062) U ND. ND (0.000063) LI ND. (0.000064) UJ ND (0.000065) UJ ND (0.000066) UJ ND (0.000065) UJ Naphthalene 91-20-3 mg/L ND (0.000**78**0) UJ ND (0.000780) U MD (0.00079) U ND. (0.000800) UJ 0.680 (0.016) ND (0.00083) UJ. ND (0.00081) UJ Phenanthrene 85-01-8 mg/L ND (0.000045) UJ 0.00214 (0.000045) ND (0.000045) U ND (0.000046) UJ 0.00928 (0.000047) J ND (0.000048) UJ ND (0.000047) UJ

(0.00018) J(b)

ND

(0.000180) UJ

(0.000180) UJ

0.00142 (0.000190) J

ND (0.000180) UJ

Notes:

ND denotes "Not Detected" at method detection limit shown in parentheses.

Pyrene 129-00-0

(a) Polynucleated Aromatic Hydrocarbons (PAHs) by EPA SW-846 method 8310.

mg/L

- (b) Corrected value resulting from data validation quality assurance review.
- U qualifier denotes not detected.
- I qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

0.00329 (0.000180) J

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

10.4

(0.000170) U

ND

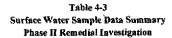


PAH Compound Data Summary Ground Water Monitoring Samples Phase II Remedial Investigation

Gulf Coast Creosoting Site Hattiesburg, Mississippi

	CAS								Sample	Identifier						
	Registry					MW-09			•					-		MW-13
Analytical Parameter	Number	Units	1	MW-09	(D	uplicate) (a)		MW-10		MW-11		MW-12		MW-13	Œ	uplicate) (b)
PAH Compounds (c)																apricate) (0)
Acenaphthene	83-32-9	mg/L	0.230	(0.000800)	0.220	(0.000800)	ND	- (0.000 82 0)	J ND	(0.000800) U	0.0033	(0.000820)	r no	(0.000800) LU	- ND	(O.0008000) LJ
Acenaphthylene	208-96-8	mg/L	0.197	(0.000800)	0.191	(0.000800)		CHARLES AND MALESTAN CO.	THE PARTY OF THE P	(0.000808) U		(0.000820)	SHARE BURNESHAR TRANSPORT	(0.000 8 00) LU	ND	(0.000800) UJ
Anthracene	120-12-7	mg/L	0.00417	(0.000031)	The state of the s	(0.000031)	ND	(0.000032)	eli serii ilize-licir-sza Mart Martinis	(0.000031) U	en-den alse den beschen imt	(0.000032)	ikii. Jilih olah hasi Tipaj Tipaj (19	(0.000031) UJ	ND	convenience interestinated to the contract of
Benzo(a)anthracene	56-55-3	mg/L	ND	(0.000018)		6 (0.000018)	ND	(0.000018)		(0.000031) U	-	(0.000032) t		(0.000031) UJ		(0.000031) UJ
Benze(a)pyrene	50-32-8	mg/L	ND	(0.000022)	Green free salar in tradition in the mage salars	8 (0.000022)		- (0.000023) 1	OUT THE REAL PROPERTY AND ADDRESS OF THE PARTY.	(0.000022)	NAME OF THE OWNER OF THE OWNER, OWNER	(0.000013) L	DESCRIPTION OF THE SERVICE		ND	(0.000018) UJ
Benzo(b)fluoranthene			0.000041	(0.000035)	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	JULY WELL THAT WELL SEED THAT THE THE	20 3 July 20 40 40 40 40 40 40 40 40 40 40 40 40 40	(0.000036)	and the control of th	(0.0000035) U		(0.000036) L		(0.000022) UJ	ND	(0.000022), UJ
Benzo(g,h,i)perylene	191-24-2	mg/L	ND	(0.000099)	Communicate of the communication of the communicati	(0.000099)	HE SERVICION TO BE AND THE SERVICION OF	(0.000100) J	Belonsi asin'ilahan 1911 1911 1911 191	(0,00098) UJ	HIP DAD DAD DESCRIPTION OF THE	an andronademop difuente sinu Rensmu.	way was neu oeu deduinin i	(0.000035) UJ	, ND	(0.000035) UJ
Benzo(k)fluoranthene	207-08-9	mg/L	0.000037	(0.000027)		(0.000027)		(0.000100) (` /		(0.000100) U		(0.000099) UJ	ND	(0.000100) UJ
Chrysene	218-01-9	mg/L	0.000224	(0.000059)	noner or a consumination of the	8 (0.000059)		(0.000028)	.mm.mataloria e un un era	(0,000027) U	ND	(0.000028) I		(0.000027) UJ	ND	(0.000027) UJ
Dibenzo(a,b)anthracene	53-70-3	mg/L	Y (20 10 10 10 10 10 10 10 10 10 10 10 10 10	(0.000047)		(0.000047)				7 (0.000059) J	ND	(0.000081) I		(0.000059) LU	- ND	
	206-44-0	mg/L	0.00632	(0.000020)	0.00493	to describe the resemble of the Section	ecerate me dei altri 12, 12, 12, 14 di il	(0.000048), 1		(0.000047) LI	in in in in the second	(0.000048) I	,	(0.000047) UJ	- ND	(0.000047) (J)
Fluorene	86-73-7	mg/L	0.093	(0.000520)	0.00493	()	ND	(0.000021) 1		(0.000020) U	ND	(0.000021) t		(0. 000020) UJ	ND	(0.000020) UJ
CONTROL OF THE PROPERTY OF THE ARMS TO PROPERTY OF	193-39-5	mg/L	ND:	(0.000064)	.a.c. com memograpi.com.mem decomes:	(0.008500)	ND	(0.000170)		(0.0001 7 0) ひ		(0.000170)	Co. Alam and a community or construction	(0.000170) UJ	ND	(0.000170) UJ
The delivered section of the property of the property		mg/L			II CONTRACTOR OF THE STATE OF T	(0,000064)		(0.000066) ((0.000064) U		(0.000066) L	, כדא	(0.000064) UJ	ND	(0.000064) IJJ
Phenanthrene	85-01-8	1125 "320 9425 - 1121 11111 -	m	(0.040000)	ALICHARINA CALCAN MARI	(0.040000)		(0.000820) ((0.000800) U	0,106	(0.000820)	CIK .	(0.00 08 00) UJ	ND	(0.000800) UJ
Pyrene	129-00-0	mg/L	0.050	(0.002300)	0.041	(0.002300)	ND	(0.000047) (J ND	(0.000046) U	0.00040	(0.000047)	ND	(0.000046) UJ	ND	(0.000046) UJ
1 ytelle	147-00-0	mg/L	0.00515	(0.000180)	0.00395	(0.000180)	0.00184	(0.000180)	0.00154	(0.000180)	0.00277	(0.000190)	ND	(0.000180) UJ	0.00099	(0.000180) J

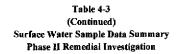
- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample MW-19.
- (b) Listed on chain-of-custody documentation as sample MW-23.
- (c) Polynucleated Aromatic Hydrocarbons (PAHs) by EPA SW-846 method 8310.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher thatn the value shown in parentheses due to a bias identified during the data validation quality assurance review.



					Hatt	iesburg	, Mississ	ippi									
	CAS																
	Registry				_				Sam	ple Identi	fier						
Analytical Parameter	Number	Units		W-02			SW-03			SW-04			SW-06			SW-07	
TCL Semivolatile Organics (a)												-070 000000 0		and manufactures	may and man filter an		Laurence Laurence
1,2,4-trichtorobenzene	120-82-1	mg/L	, ND	(0.001)	w	ND	(0.001)	TJ.	ND.	(0.001)	U iii	MD	(0.001)	U.	, ND	(0.001)	• (U
1,2-dichlorobenzene	95-50-1	mgL	NO "	(0.001)	U	ND	(0.001)	U.	- ND	(0.001)	ប	ND	(100.0)	U	ND	(0.001)	U,
1,3-dichlorobenzene	541-73-1	mg/L	ND ((100.0)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ИD	(0.001)	U
1,4-dichlorobenzene	106-46-7	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	ប
2,2 oxybis (1-chloropropane)	108-60-1	mg/L	ND I	(0.002)	U.	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	- ND	(0.002)	U
2,4,5-trichlomphenol	95-95-4	mg/L	MD	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U .	ND	(0,002)	U	- ND	(0.002)	U
2,4,6-trichlorophenol	88-06-2	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
2,4-dichlorophenol	120-83-2	mg/L	ND +	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
2,4-dimethylphenol	105-67-9	mg/L	ND	(Q.001)	IJ	ND	(0.001)	U.	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	u
2,4-dipitrophenol	51-28-5	mg/L	ND	(0.016)	U	ND	(0.016)	U	ND	(0.016)	U	ND.	(0.015)	U	ND	(0.015)	U
2,4-dinitrotoluene	121-14-2	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
2,6-dinitrotoluene	606-20-2	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
2-chloronaphthalene	91-58-7	mg/L	MD.	(0.001)	u i	MD	(0.001)	u:	- ND	(0.001)	U	ND	(0.001)	U.	ND	(0.001)	U
2-chlorophenol	95-57-8	mg/L	CHARLES THE CONTRACT OF THE PARTY OF THE PAR	(0.001)	U.	ND	(0.001)	U	. ND	(0.001)	U	ND-	(0.001)	U.	ND	(0.001)	U
2-methylnaphthalene	91-57-6	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
2-methylphenol	95-48-7	mg/L	ND	(0.001)	υ	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
2-nitroaniline	88-74-4	mg/L	CIMATO SUPEL AND SUPER HEAD	(0.002)	tt 🖟	aи	(0.002)	v.	. ND	(0.002)	ប	ND.	(0.002)	TU :	ND	(0,002)	U
2-nitrophenol	88-75-5	mg/L		(0.001)	U	MD	(0.001)	u	. ND	(0.001)	U.	ND	(0.001)	ซ	ND	(0.001)	U
3,3'-dichlorobenzidine	91-94-1	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
3-nitroaniline	99-09-2	mg/L		(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
4,6-dimitto-2-methylphenol	534-52-1	mg/L	ND-	(0,005)	U	MD	(0,005)	U	ND	(0.005)	U.	ND	(0.005)	U	. NE	(0.005)	U
4-bramophenyl phenyl ether	101-55-3	mg/L	ND	(0.002)	U.	ND	(0.002)	IJ	ND	(0.002)	U	·ND	(0.002)	. U	ND	(0.002)	U
4-chloro-3-methylphenol	59~50-7	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
4-chloroaniline	106-47-8	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ИD	(0.001)	U
4-chlorophenyl phenyl cther	7005-72-3	mg/L	ND ((0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND:	(0.001)	U	⊌ ND	(0.001)	U
4-methylphenoi	106-44-5	mg/L	more Shipped by	(0.003)	THE RESERVE OF THE PERSON NAMED IN COLUMN	ND	(0.003)	U	ND	(0.003)	U.	ND	(0.003)	U.	MD	(0.003)	U
4-nitroaniline	100-01-6	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	U
4-nitrophenol	100-02-7	mg/L	ND	(0.01)	U	ND	(0.011)	U	ND	(0.011)	U	ND	(0.01)	U	ND	(0.01)	U
аселаринеле	83-32-9	mg/L	0.014	(0.001)		0.009	(0.001)	Trans	NE	(0.001)	U	ND	(0.001)	U	. NUD	(0.001)	U
acenaphthylene	208-96-8	mg/L	ND	(0.001)	U	ND	(0.001)	·U	ND	(0.001)	U	ND	(0.001)	"U+"	NO	(0.001)	U
anthracene	120-12-7	mg/L	0.013	(0.001)	ingo in the same in the	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
benzo (a) anthracene	56-55-3	mg/L	0.005	(100.0)	3	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
benzo (a) pyrene	50+32-8	mg/L	ND .	(0.001)	U ·	ND	(0.001)	U	ND	(0.001)	u .	ND	(0.001)	·U	ND.	(0.001)	u
benzo (b) fluoranthene	205-99-2	mg/L,	0.012	(0:001)		0.009	(0.001)		ND	(0.001)	U	CIVI	(0.001)	U.	ND -	(0.001)	w U
benzo (ghi) perylene	191-24-2	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U
benzo (k) fluoranthene	207-08-9	mg/L	JUNEAU SPIECE COLUMN	(100.0)	J	ND	(0.001)	U	ND	(0.001)	U	ND	(0,001)	U	ND	(0.001)	U
bis (2-chloroethoxy) methane	111-91-1	mg/L	ND.	(0.001)	U	DI	(0.001)	U	ND	(0.001)	U.	ND	(0.001)	U	ND	(0.001)	CONTRACTOR OF THE PARTY OF THE
bis (2-chlorocibyl) ether	111-44-4	mg/L	, ND	(0.001)	Ų.	ND.	(0.001)	U	CM	(0.001)	U	ND	(0:001)		ND.	(0.001)	collaborate acres into
bis (2-ethylhexyl) phthalate	117-81-7	mg/L	0.003	(0.002)	J (p)	ND	(0.002)	U	ИD	(0.002)	U	ИD	(0.002)	U	ND	(0.002)	U
butyl benzyl phthalate	85-68-7	mg/L	0.003	(0,002)	U*	ND	(0.002)	U	ND	(0,002)	U	ND	(0.002)	U	ND	(0.002)	IJ
çarbazçle	86-74-8	mg/L	0.03	(0.001)	1	MD	(0.001)	U	ND	(0.001)	U	ND	(0.001)	Ü	ND	(0.001)	u
chrysena	218-01-9	mg/L	II seen airmato astiti dam	(100.0)	J.	ND	(0.001)	IJ	ND	(0,001)	U	M	(0,001)	U	ND	(0,001)	ant date butter and a
di-n-butyl phthalate	84 - 74-2	mg/L		(0.002)	U*	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	υ	ND	(0.002)	
di-n-octyl phthalate	I I 7-84-0	mg/L		(0.002)	U	ND	(0.002)	U	ND	(0.002)	U Denombresi nau	MD The second se	(0.002)	U maresementos	MD	(0.002)	5. man P11. 1141
dibenz (a,h) anthracene	53-70-3	mg/L		(0.001)		ND	(0.001)		ND	(0.001)	70 000 320 000 V	MD	(0.001)		ND	(0.001)	
dibenzofuran	132-64-9	mg/L		(0.001)		MD	(0.001)	none to entropy	ND	(0.001)	Parent press community, as	ND	(0,001)	MILES TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN 1997	ND	(0.001)	endrik (Marchine)
diethyl phthalate	84-66-2	mg/L		(0.002)		ND	(0.002)		ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	
dimethyl phthalate	131-11-3	mg/L		(0.002)	U Derversions	ON ND	(0.002)		dy	(0,002)	U	ND ND	(0.002)	U		(0.002)	
fluoranthene	206-44-0	mg/L		(0,001)			(0.001)		0.012			ND	(0.001)		ND	(0.001)	
fluorene	86-73-7	mg/L	THE STATE OF THE S	(0.001)		man, and Paris inhale to	(0.001)	curinL.D summiffett	ND	(0,001)	parameter committee of the	ND	(0,001)	U.	ND	(0,001)	annannin processing
hexachlorobenzene	118-74-1	mg/L		(0.002)	U	ND	(0.002)		ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	
hexachlorobutadiene hexachlorocyclopentadiene	87-68-3	mg/L	m Chan, and rafffichem rints	(0.002)	U MYGGANS	ND	(0.002)	DESCRIPTION OF THE PARTY.	ND	(0.002)	U Der Gerichen	ND	(0.002)	U	ND	(0.002)	U
	77-47-4	mg/L		(0.005)		MD	(0.005)		ND	(0.005)	THE WHILE THE COMMISSION	modell, Salt-life Si	(0.005)		ND.	(0.005)	
hexachloroethane	67-72-1	mg/L	Management - management	(0,001)	surmar, Arm (400), 525	МĎ	(0.001)	Man and Man an	- ND	(0.001)	JUL I	, MD	(0.001)	and the second and the second of	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	(0.001)	more to the first of the first
indeno (1,2,3-cd) pyrene	193-39-5	mg/L		(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	
isophorone	78-59-1	mg/L		(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	TOTAL DESIGNATION
N-mtrosodi-n-propylamine	MOVED THE HER MARKETS AND DE	mg/L		(100.0)		ND	(0,001)	In the state of th	ND	(0,001)		ND	(0.001)		ND	(0.001)	
N-nitrosodipheaylamine	86-30-6	mg/L		(0.001)	L.	- ND	(0.001)	11. (10. 11. 1) (10. 11. 11. 11. 11. 11. 11. 11. 11. 11.	M	(0 001)	material manager for	ND	(0:001)	mark at the filliant mark. At	· MD	(0.001)	
naphthalene nitrobenzene	91-20-3 98-05-3	mg/L		(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0,001)	
petrachiorophenoi	98-95-3 87-86 -5	mg/L		(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0,001)	
pernacaiorophenoi phenanthrene	THE RESERVE THE PARTY OF THE PA	mg/L	CHEST CONTRACTOR CONTRACTOR	(0.003) (0.003)	u.	ND	(0.003)	Constitution of the Constitution of	ND	(0.003)	U	ND	(0.003)	TO DESCRIPTION OF STREET	ND	(0.003)	
phenol	85-01-8 108-95-2	mg/L	- particular and the	(1000)		ND	(0.001)		ND	(0.001)	U	ND .	(0.001)		ND)	(0.001)	
•	129-00-0	mg/L		(100.0)	Ų	ND	(0.001)		ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	
pyrene	129-00-0	mg/L	0.021	(0.001)		ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)	U

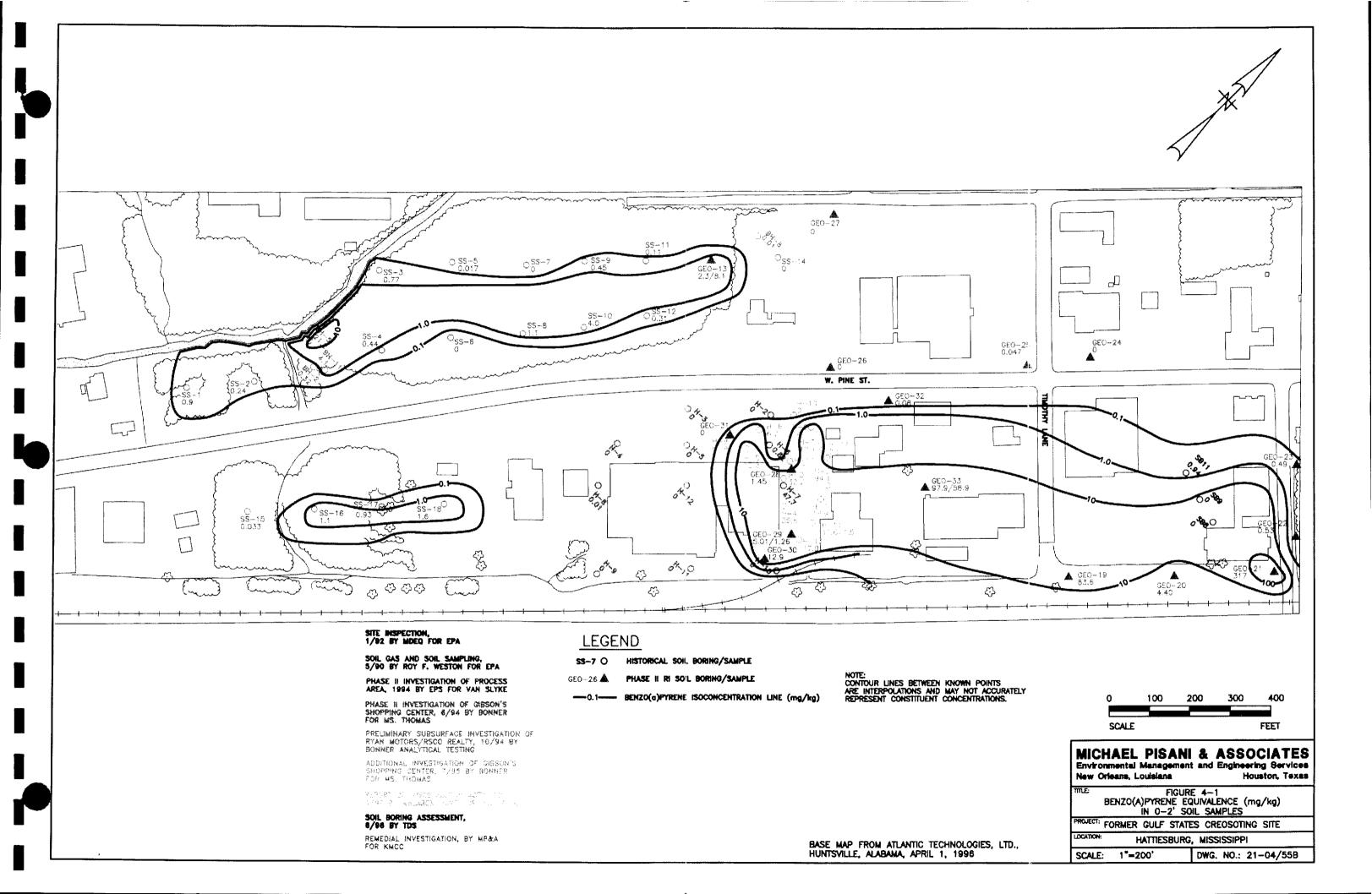
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 3270.
- (b) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- ND denotes "Not Detected" at method detection limit shown in parentheses.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

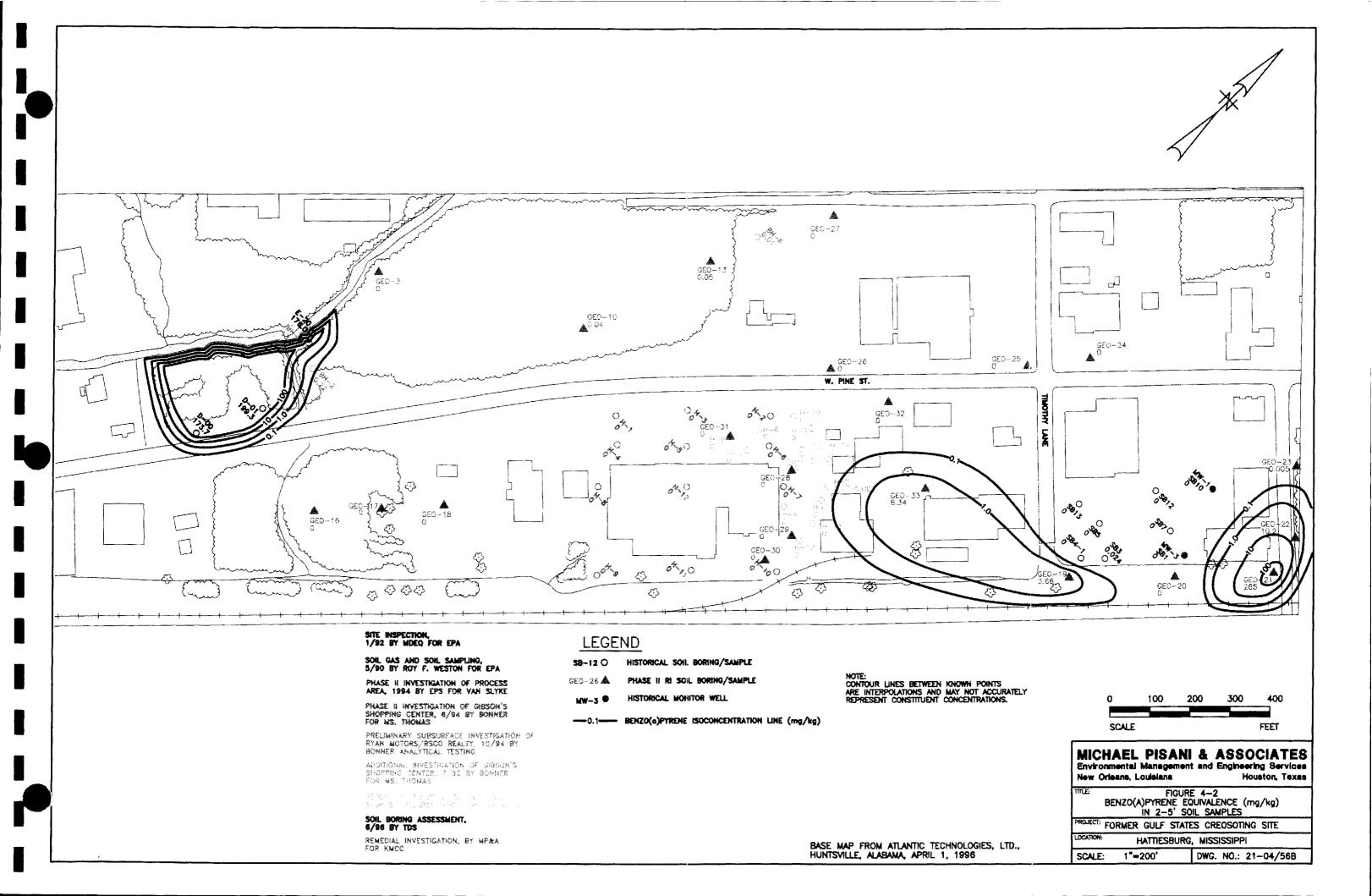
 U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

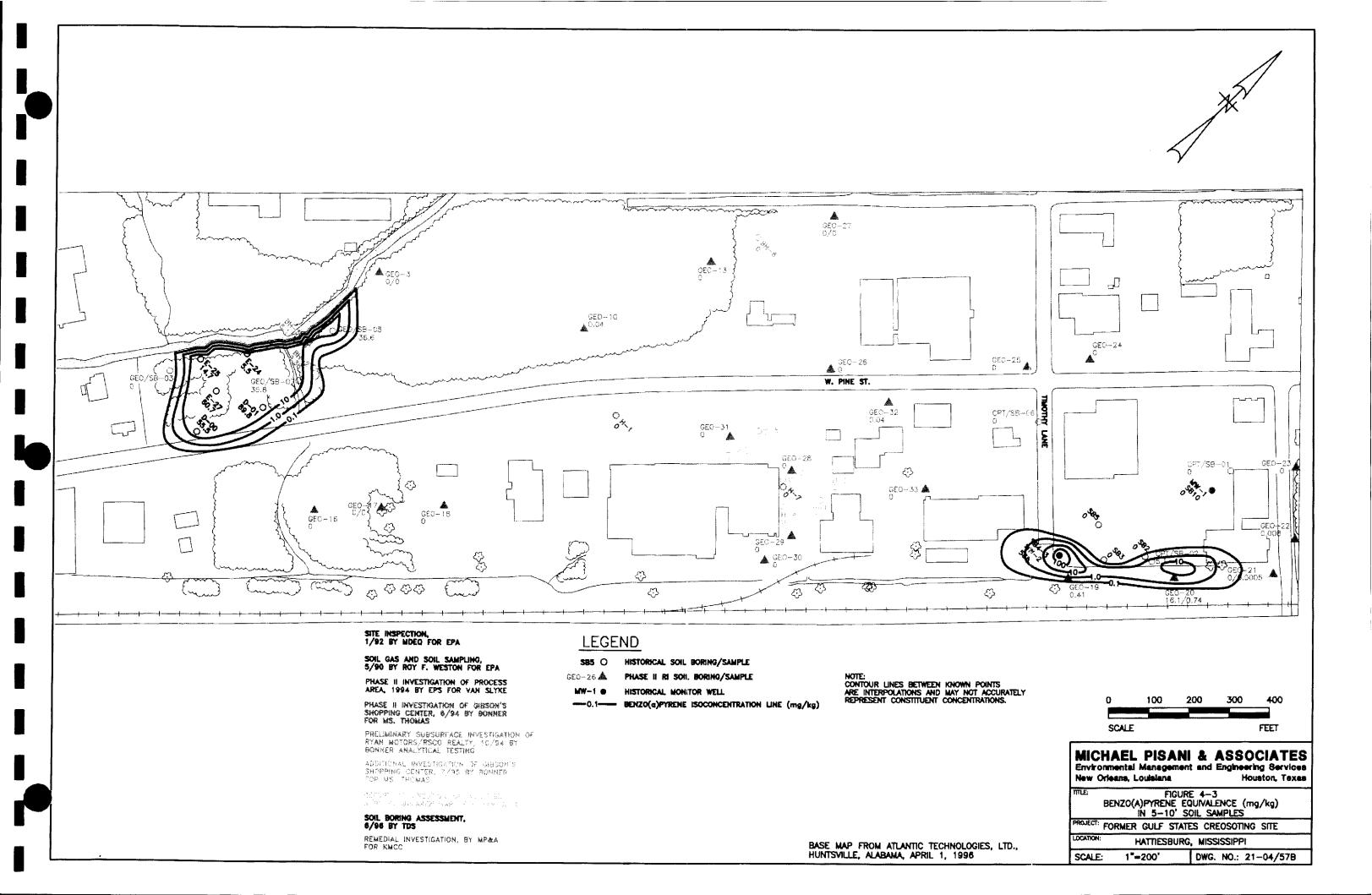


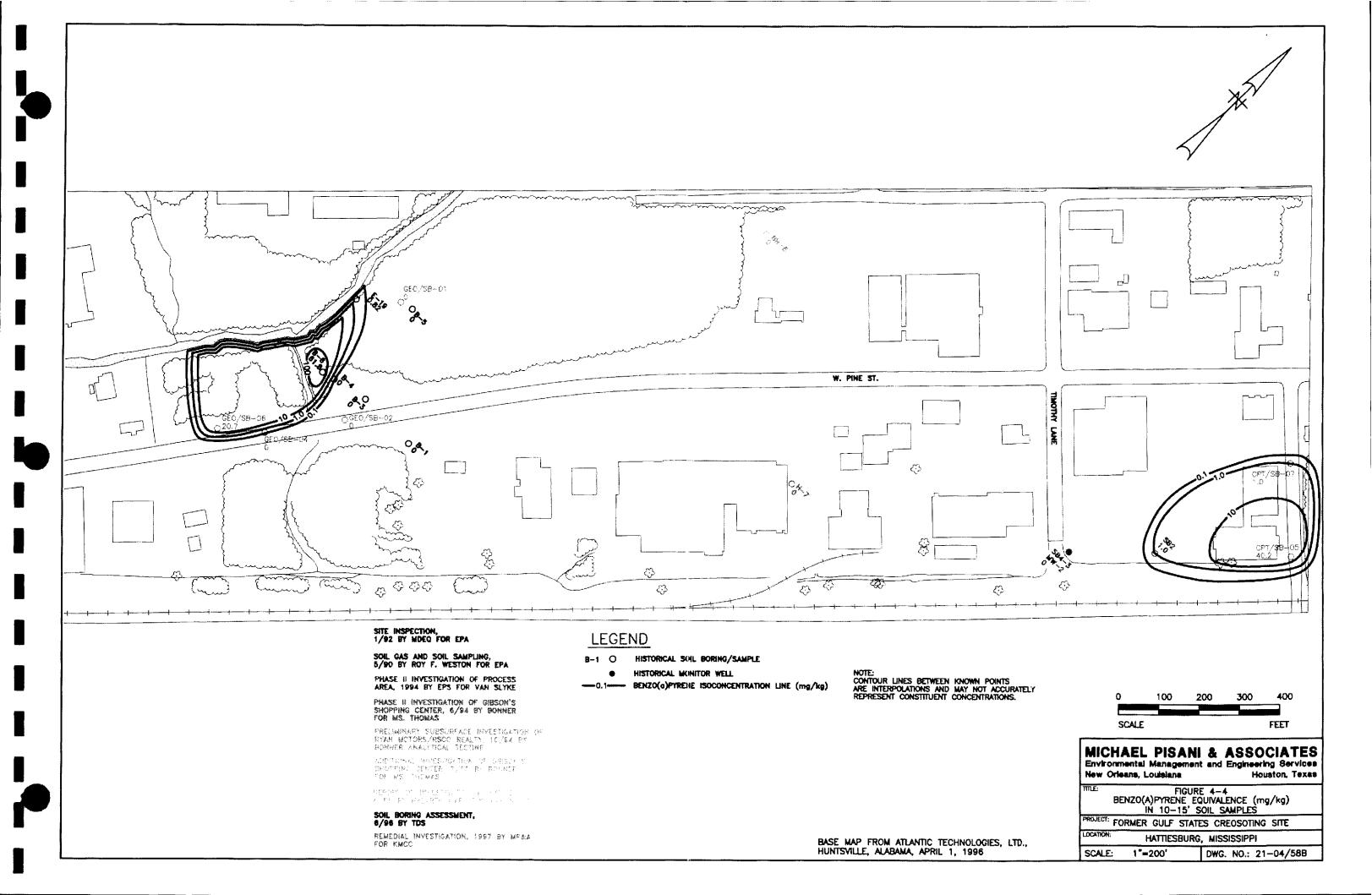
	CAS			_						S	ample Io	dentifier		_					
Analytical Parameter	Registry Number	Units		SW-08		(Du	SW-08 iplicate) (a)		SW-09			SW-10		:	SW-11		,	CFO (b)
TCL Semivolatile Organics (c)	TO LA BURER PRINCIPA			T2.778. 881 to															
12,4-tricklorobenzene 1,2-dichlorobenzene	120-82-1 95-50-1	mg/L	ND.	(0.001)		ND	(0.001)	U.	ND	(0.001) (0.001)		ND:	(0.001)	1 0 %			U U	ND vm	(0.001) U
1,3-dichlorobenzene	541 -7 3-1	mg/L mg/L	ND ND	(0.001)	⊒U U	ND ND	(0.001)	U	ND ND	(0.001)		ND ND	(0.001) (0.001)	U	ND ND		U	ND ND	(0,001) U (0,001) U
1,4-dichlorobenzene	106-46-7	mg/L	ND	(0.001)	Ū	ND	(0.001)	Ü	ND	(0.001)	UJ	ND	(0.001)	Ŭ		(0.001)	Ŭ	ND	(0.001) U
2,2'oxybis (1-chloropropane)	108-60-1	mg/L	ND	(0.002)	U	- MD	(0.002)	U	MD	(0.002)		ND	(0.002)	IJ		(0.002)	U	ND	(0,002) U
2,4,5-trichlerophenol 2,4,6-trichlerophenol	95-95-4 88-06-2	mg/L	ND .	(0.002)	IJ	ND.	(0.002)	U	. ND.	(0.002)		ND N	(0.002)	U		(0,002)		ND	(0.002) U
2,4-dichlorophenol	120-83-2	mg/L mg/L	ND ND	(0.002) (0.001)	U U	ND ND	(0.002)	U U	ND ND	(0.002)	UJ UJ	ND ND	(0.002)	U U	ND ND	(0.002) (0.001)	U	ND ND	(0.002) U (0.001) U
2,4-dimethylphenol	105-67-9	mg/L	ND	(0.001)	U	ND	(100.0)	T.	ND	(0.001)	STORES SAN THE LOCAL	M	(0.001)	area attended and a second	ND	(0,001)	U	ND	(0.001)
2,4-dinitrophenol	51-28-5	mg/L	MD	(0.015)	jų į	ND	(0.015)	T.	ND	(0.015)	tar acas administrativines	ND.	(0.014)			(0.016)	U.	ND.	(0.016) D
2,4-dinitrotoluene 2,6-dinitrotoluene	121-14-2 606-20-2	mg/L mg/L	ND ND	(0.001) (0.002)	U U	ND ND	(0.001)	U U	ND ND	(0.001) (0.002)	UJ UJ	ND ND	(0.001)	U U		(0.001) (0.002)	U U	ND ND	(0.001) U (0.002) U
. 2-chlpronaphthalens	91-58-7	mg/L	ND	(0.002)	ij	MD	(0.002) (0.001)	U	ND	(0.002)	PER SETTLE SETTLE SHOPE SHEET	MD	(0.002)	Ú	DELL'ARREST - DELL'ARREST DELL'ARREST	(0.002) (0.001)	Markey order (parter)	ND	(0.001). U
2-chlorophenol	95-57-8	mg/L	ND	(0.001)	D.	ND	(0.001)	Ú	ND	(0.001)	IJ	NĐ	(0.001)	(19)4 <u>1-480</u> 177 178		(0.001)		ND	(0,001) U
2-methylnaphthalene	91-57-6	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)		ND	(0.001)	U		(0.001)		ND	(0.001) U
2-methylphenol 2-mitroaniline	95-48-7 88-74-4	mg/L mg/L	ND ND	(0.001) (0.002)	U	ND ND	(0.001) (0.002)	U	ND ND	(0.001) (0.002)	SMOTHER OF STATE	ND ND	(0.001) (0.002)	U	ARREST STREET, STREET, STREET, ST.	(0.001) (0.002)	JUNEAU DE LA CIENTE DE LA CIENCE	ND ND	(0.001) U (0.002) U
2-nitrophenol	88-75-5	mg/L	ND	(0.001)	Ü	MD	(0.001)	U	imalification (Sel	(0.002) (0.001)		ND	(0.001)	EL SE INITIALISM	330 ((0.002) (0.001)	character and old by	ND	(0.001) U
3,3'-dichlorobenzidine	91-94-1	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)	UJ	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002) U
3-nitroaniline	99-09-2	mg/L	ND	(0.002)	U	ND	(0.002)	U	ND	(0.002)		ND	(0.002)	U	ND	(0.002)	U	ND	(0.002) U
4;6-dimtro-2-methy)phenol 4-bromophenyl phenyl ether	534-52-1 101-55-3	mg/L mg/L	ND ND	(0.005) (0.002)	U	MD OM	(0.005) (0.002)	U	ND ND	(0.005). (0.002)		. MD . CM	(0.005) (0.002)			(0.005) (0.002)	U ti	ND ND	(0,005) D (0,002) D
4-chloro-3-methylphenol	59-50 -7	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0,001)	an amperioration and	ND	(0.001)	U		ALC: If It Henry to Print I	U	ND	(0.001) U
4-chloroamiline	106-47-8	mg/L	ND	(0.001)	U	ND	(0.001)	U	ND	(0.001)		ND	(0.001)	U	ND	(0.001)	U	ND	(0. 00 1) U
4-chlorophenyl phenyl ether 4-methylphenol	7005-72-3 106-44-5		MD.	(0.001)	U	ND	(0.001)	U	ND.	(0.001)		ND:	(0.001)	U		(0.001)	U	ND	(0.001) U
4-nitroaniline	100-01-6	mg/L mg/L	ND ND	(0.003)	U	ND ND	(0,003)	U	ND ND	(0.003)	UJ UJ	ND ND	(0.003)	U		(0.003) = (0.002)	U	ND	(0.003) U (0.002) U
4-nitrophenol	100-02-7	mg/L	ND	(0.01)	ับ	ND	(0.01)	Ū	ND	(0.01)	UJ	ND	(0.01)	Ū		(0.011)	Ü .	ND	(0.01) U
acenaphthene	83-32-9	mg/f.	ND	(0.001)	U.	ND	(0.001)	Ų.	ND	(0.001)		. ND	(0.001)	U		(0.001)		ND	(0,001) U
аселарhthylene anthracene	208-96-8 120-12-7	mg/L mg/L	ND ND	(0.001)	U	ND ND	(0.001)	TU	ND ND	(0.001) (0.001)		ND ND	(0.001)		ND ND	(0.001) (0.001)	U U	ND	(0.001) U (0.001) U
benzo (a) anthracene	56-55-3	mg/L	0.001	(0.001)	J	ND	(0.001)	Ü	ND	(0.001)		ND	(0.001)		ND	(0.001)	U	ND ND	(0.001) U
benzo (a) pyrene	50-32-8	mg/L	MD	(0,001)	U.	ND)	(0.001)	U I	ND	(0.001)	UJ	ND	(0.001)	U	Dollate dans marriage	(0,001)	U	MD	(0.001) U
benzo (b) fluoranthene benzo (ghi) perylene	205-99-2 191-24-2	mg/L	ND	(0.001)		ND	(0.001)	Ų.	0.009	the state of the s	transmination (ii)	MD	(0.001)	manness de la	E am ann ann ann	(0.001)	ryapponia mosma	MD	(0.001) U
benzo (k) fluoranthene	207-08-9	mg/L mg/L	ND ND	(0.001) (0.001)	U U	ND ND	(0.001)	U U	ND ND	(0.001)		ND ND	(0.001)	U U	ND ND	(0.001) (0.001)	บ บ	ND ND	(0.001) U (0.001) U
bis (2-chloroethoxy) methane	111-91-1	mg/L	MO	(0.001)	U.	ND	(0.001)	Ţ.	ND	(0.001)	TO THE ROOM AND ADDRESS.	MD	(0.001)	smandbillaburous		(0.001)		ND	(0 00 1) U
bis (2-chloroethyl) ether	111-44-4	mg/L	ND	(0.001)	u	ND	(0.061)	U	ND	(0.001)	GC ASH, HOR HISTORIA	_ CIN	(0.001)	manapanananananan	ND .	Designation of the Co.	U	ND	(0.001) U
bis (2-ethylhexyl) phthalate butyl benzyl phthalate	117-81-7 85-68-7	mg/L mg/L	ND ND	(0.002) (0.002)	U U	ND ND	(0.002)	U U	ND ND	(0.002) (0.002)	UJ UJ	ND ND	(0.002) (0.002)	U U	ND ND	(0.002) (0.002)		0.007	(0.002) J(d) (0.002) U*
Cathazale	86-74-8	mg/L	_ אש	(0.002)	and the later to the	ND	(0.002)	i U	ND.	(0.002)	IGN JULY-JAN DATE	ND	(0.002)	econ was see son	THE SECTION AND ADDRESS.	(0.002) (0.001)	TOTAL DUE HAR THE THE	www.www.	(0.002)
chrysene	- 1. A.M. A.M. HOPEN HEALTH	mg/L	ND.	(0.001)	Carrier and American	ND	(0.001)	U	ND	(0.001)	UJ.	ND	(0.001)	u-	1.000 (000 000 000 000 000 000 000 000 00	(0.001)	U	Part of the second	(0.001) U
di-n-butyl phthalate di-n-octyl phthalate	84-74-2	mg/L	ND	(0.002)		ND	(0.002)	U	ND			ND	(0.002)						(0.002) U*
dibenz (a li) anthracene	53-70 3	mg/L mg/L	ND ND	(0.002) (0.001)			(0.002) (0.001)	remarks or high state of		(0.002) (0.001)	caracida nin muo	ND ND	(0.002) (0.001)	OR OF THE RESERVE OF STREET	PRESENTATION CONTRA	(0.002) (0.001)		ND ND	(0.002) U (0.001) U
dibenzofuran	132-64-9	mg/L	ND	February Control L		NB			300 mm (1000 mm (24)	(0.001)			(0.001)			(0.001)	1.321.51		(0.001) U
diethyl phthalate	84-66-2	mg/L	ND	(0.002)		ND	(0.002)		ND	(0.002)		ND	(0.002)			(0.002)		ND	(0.002) U
dimethyl phthalate fluoranthene	131-11-3 206-44-0	mg/L mg/L	ND 013	(0.002) (0.001)	Ų	ND n oob	(0.002) (0.001)		ND not2	(0.002) (0.001)		ND NT	(0.002) (0.001)	and spiceroses	FIG. 101 III III III	(0.002) (0.001)		ND ND	(0.002) U (0.001) U
fluorene	86-73-7	mg/L		(0.001)	U		(0,001)			(0.001)			(0.001)			(0.001)		ND	(0.001) U
hexachlorobenzene	118-74-1	mg/L	ND	(0.002)		ND	(0.002)	U	ND	(0.002)		ND	(0.002)			(0.002)		ND	(0.002) U
hexachlorobutadiene hexachlorocyclopentadiene	87-68-3 77-47-4	mg/L ■ mg/L	ND No.	(0.002) (0.005)		ND	(0,002) (0,005)		ND ND	(0.002) (0.005)		ND Mr.	(0.002) (0.005)	er come distribution date.		(0.002) (0.005) "		ND NE	(0.002) U (0.005) U
hexachloroethane	67-72-1	mg/L	ND	5-1 Km.: (1 Mar. 13)		ND	(0.003)			(0.001)		ND ND	(0,001)			(0.001) ⁽			(0.001) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/L	ND	(0.001)	U	ND	(0.001)	Mark Male characters of the	ND	(0.001)		ND	(0.001)	TO ASS ASS		(0.001)		ND	(0.001) U
isophorone N-nitrosodi-n-propylamine	78-59-1	mg/L	ND	(0.001)	or other memorial area	ND	(0.001)	-Million community	ND	(0.001)		ND	(0.001)	ALCOHOLD DATE OF THE PARTY OF T	ESENCIONES DE CONTRACTOR D	(0.001)		ND	(0.001) U
N-nitrosodi-n-propylamine N-nitrosodi-phenylamine	621-64-7 86-30-6	mg/L mg/L	ND NO	(100,0)	41411./10TH 2511.TH		(0.001) (0.001)			(0.001) (0.001)			(0,001) (0,001)	10 - 10 - 10 - 10 Lab	a main also man and a	(0.001) (0.001)		An and the	(0.001) U (0.001) U
naphthalene	91-20-3	mg/L	ND	(0.001)	40.000	ND	(0.001)	U	ND	(0.001)		ND	(0.001)	SERIE SERVICE COMMENTS		(0.001)		ND	(0.001) U
nitrobenzene	98-95-3	mg/L	ND	(0.001)	men mercanatana	ND	(0.001)		ND	(0.001)		ND	(0.001)	U	ND	(0.001)	U	ND	(0.001) U
репасионариевог	87-86-5 85-01-8	mg/L	fato anni alelia (1903)	(0.003) -/3.0013		on complete and the	(0.003)	St. State of the life of the l	ALI CIDALICADA DA DA PARA CAR	(0.003)	[1] Street Hill make nied	7350 July 350 July 350	(0.003)	10022300 000 000		(0.003) (0.001)		H. H. Herbert J. 18611 -	(0.003) U
phenanthrene phenol	85-01-8 108-95-2	mg/L mg/L	mentioned ast	(0.001) (0.001)	STEEL STREET, STREET, ST.	applicate the many	(0.001) (0.001)	U		(0.001) (0.001)	II SII SESSI ANDREAMAN IIII	ND ND	(0.001)	m mall and on many many	RESPUBLICATION STATEMENT	(0,001) (0,001)	treat terminations of	ND ND	(0.001) U (0.001) U
pyrene	129-00-0	mg/L		(100.0)			(0.001)			(0.001)			(0.001)			(0.001)			(0.001) U

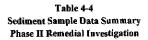
- (a) Listed on chain-of-custody documentation as sample SW-12.
- (b) Courtesy Ford dealership stormwater outfall.
- (c) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- ND denotes "Not Detected" at method detection limit shown in parentheses.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher thatn the value shown in parentheses due to a bias identified during the data validation quality assurance review.





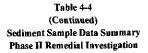






CAS			
Registry Analytical Parameter Number U	nits SD-01 SD-	Sample Identifier	SD-05 SD-06
TCL Semivolatile Organics (a)			
	g/kg ND (0.039) U ND (0. g/kg ND (0.039) U ND (0.	51) ND (0.043) U ND (0.4) 51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U ND (0.042) U ND (0.039) U
parameter with the control of the co	g/kg ND (0.039) U ND (0.		ND (0.042) U ND (0.039) U
	g/kg ND (0.039) U ND (0.	51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U
	g/kg ND (0.039) U ND (0.		ND (0.042) U ND (0.039) U
) ND (0.085) U ND (0.83	ND (0.084) U ND (0.078) U
	g/kg ND (0.079) U ND (1 g/kg ND (0.079) U ND (1		ND (0.084) U ND (0.078) U ND (0.084) U ND (0.078) U
MARKET STOCK STOCK SANDAG AN AND REPORT OF THE PROPERTY OF A STOCK) I ND (0.085) U ND (0.8)	ND (0.084) U ND (0.078) U
2,4-dimitrophenal 51-28-5 m	g/kg ND (0.230) U ND (.) ND (0.25) U ND (2.3)	ND (0.24) U ND (0.23) U
	g/kg ND (0.079) U ND (· · · · · · · · · · · · · · · · · · ·	ND (0.084) U ND (0.078) U
SECTION AND REPORT OF THE PROPERTY OF THE PROP	g/kg ND (0.039) U ND (0. g/kg ND (0.039) U ND (0.	-a alla con con con con con con arramanda armani min con con con con con arca a con la contra con con con con	ND (0.042) U ND (0.039) U ND (0.042) U ND (0.039) U
	g/kg ND (0.039) U ND (0.		ND (0.042) U ND (0.039) U
The second section of the second section of the second section of the second section s	g/kg ND (0.039) U 150 (2	Prophysical and an articles and an articles and an articles and articles and articles are also an articles and an articles are also an articles and are articles and are articles are articles are articles are are are articles are are articles are are articles are are articles are articles are articles are are articles ar	0.091 (0.042) J ND (0.039) U
Compared to the property of the compared to th	g/kg ND (0.039) U ND (0.		ND (0.042) U ND (0.039) U
	ati ana afa unu unu cum manara aparam per unu ata asa anti agu unu utan aca cum manapina de		ND (0.042) U ND (0.039) U ND (0.084) U ND (0.078) U
A SECURE OF THE	g/kg ND (0.079) U ND (- Annies de 20. 22. 22. 22. 22. 24. 24. 24. 24. 24. 24	ND (0.084) U ND (0.078) U
3- and 4-methylphenol 106-44-5 m	g/kg ND (0.079) U ND (0.11 (0.084) J ND (0.078) U
) ND (0.083) U ND (0.8)	ND (0.084) U ND (0.078) U
		5) ND (0.21) U ND (2)	ND (0.21) U ND (0.19) U
	g/kg ND (0.079) U ND (1 g/kg ND (0.079) U ND (1	•	ND (0.084) U ND (0.078) U ND (0.084) U ND (0.078) U
re 11 12 15 i i i i i a comunicació (i i i i i i i i i i i i i i i i i i	<u> </u>	51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U
the second secon		51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U
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	g/kg ND (0,039) U 35 (0.		0.17 (0.042) J ND (0.039) U
	g/kg ND (0.039) U 190 (2	to the second se	0.88 (0.042) ND (0.039) U
	g/kg 0.062 (0.039) J 330 (2		0.93 (0.042) ND (0.039) U
		5)	0.97 (0.042) ND (0.039) U 1.4 (0.042) ND (0.039) U
The state of the s		32 (0.85) 9.5 (0.4)	0.42 (0.042) ND (0.039) U
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	T. T	1) ND (0.085) U ND (0.8)	ND (0.084) U ND (0.078) U
an agus transfer 950 650 660 from the Performance SC C 550 and a real property are more 550 660 decreases, and a second or sec	Company of the contract of the	5) 0.97 (0.043) 100 (20) L	. 0.22 (0.042) J ND (0.039) U
		5) 42 (0.85) 76 (20) J	1.3 (0.042) ND (0.039) U
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		5) 0.48 (0.043) 150 (20) J	
_		ND (0.085) U ND (0.8)	ND (0.084) U ND (0.078) U
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		5) 1 (0.043) 260 (20)	0.18 (0.042) J ND (0.039) U
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and the second s	The same of the same and the sa	51) 39 (0.85) 12 (0.4)	0.54 (0.042) ND (0.039) U
isophorone 78-59-1 m	g/kg ND (0.039) U ND (0.	51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U
			ND (0.042) U ND (0.039) U
	_	51) ND (0.043) U ND (0.4) 5) 1.6 (0.043) 14 (0.4)	ND (0.042) U ND (0.039) U 0.16 (0.042) J ND (0.039) U
		51) ND (0.043) U ND (0.4)	ND (0.042) U ND (0.039) U
pentachlorophenol 87-86-5 m	g/kg ND (0.200) U ND (2	s) ND (0.21) U ND (2)	ND (0.21) U ND (0.19) U
		5) 3.6 (0.043) 870 (20)	
		1) ND (0.085) U ND (0.8) 5) 32 (0.85) 300 (20)	ND (0.084) U ND (0.078) U 1.6 (0.042) ND (0.039) U
67 Care 180 Co. O. U.		0, 02 (0.03) 300 (20)	1.0 (0.032)
Other Parameters	8 32 34 44 H1 28 42 48 48 40 40 4 5 5 3 3 4 H1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	HE STEVEN SERVICE SERV	
Moisture Conteat (b) N.A. w	1 % 13.1 = (0:08)	08) 21,9 (0.08) [6,4 (0.08)	20.5 (0.08) 14.1 (0.08)

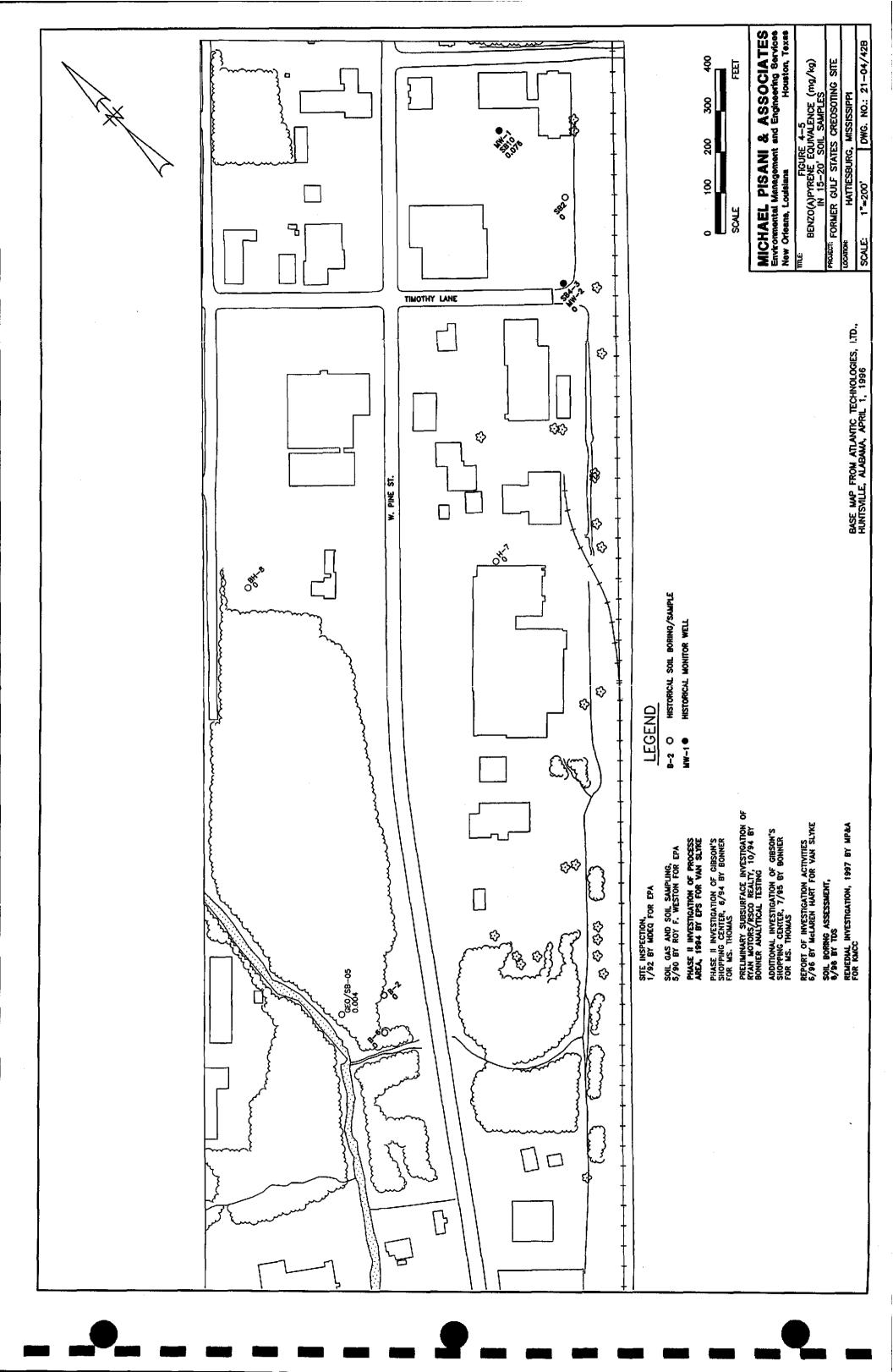
- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- (c) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

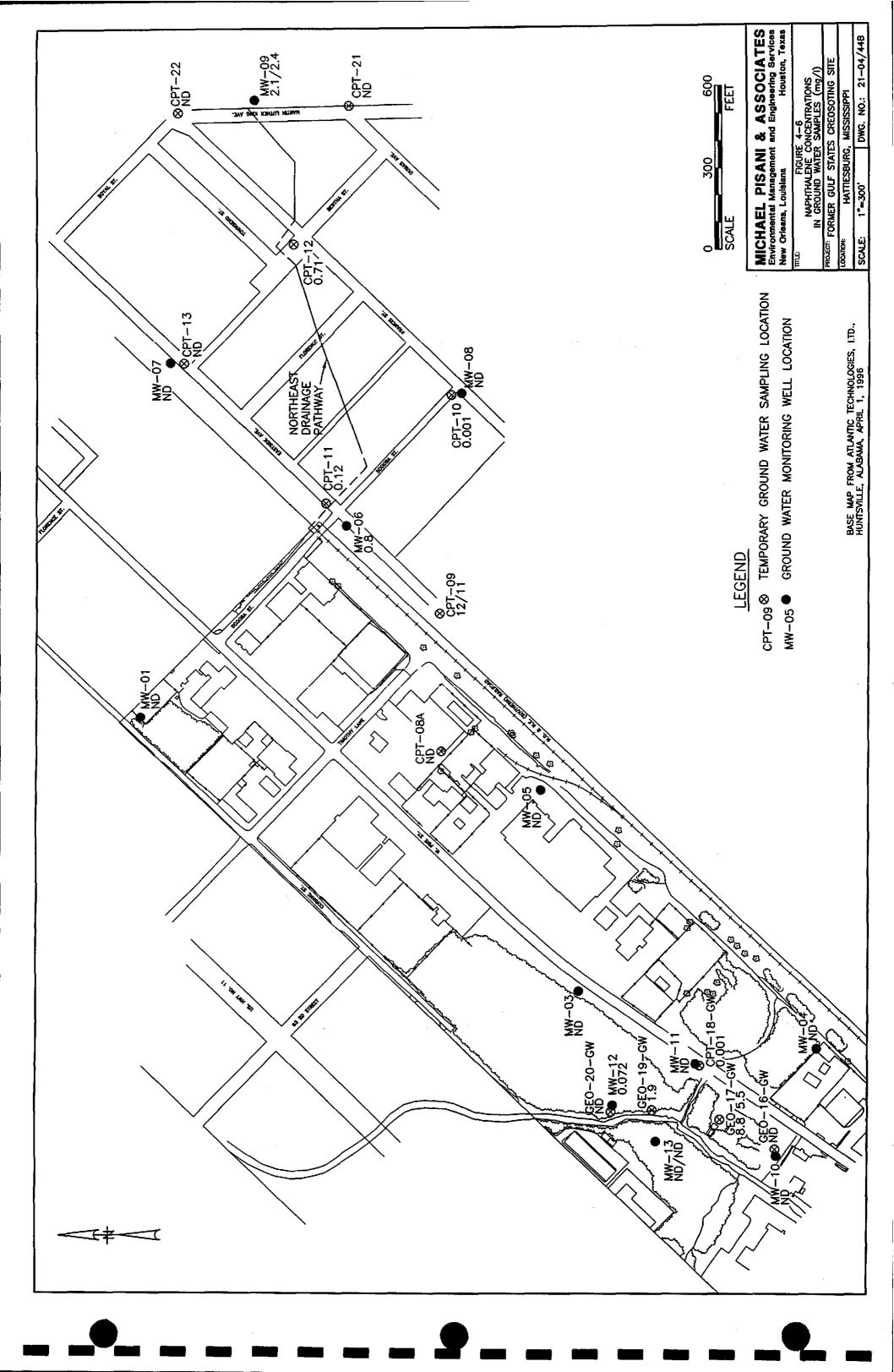


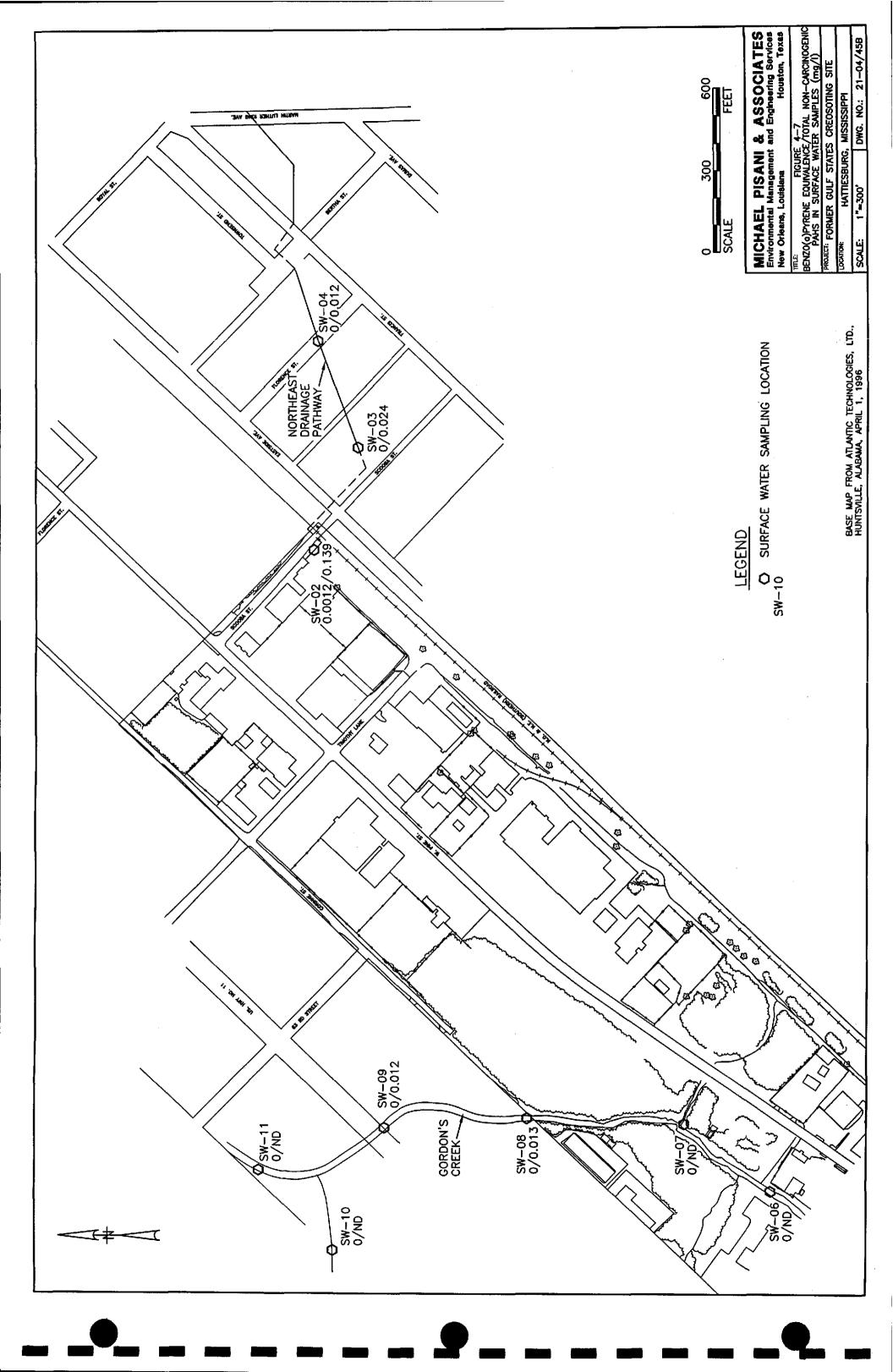
	CAS					Sample	Identifier		
Analytical Parameter	Registry Number	_Units_	SD-07	SD- <u>(</u>	08	SD-09	SD-09 (Duplicate) (a)	SD-10	SD-11
TCL Semivolatile Organics (b)	120-82-1	mg/kg	ND (0.041)	U ND (0	4). U ND	■ (0.037) U	ND (0.039) U	ND (0.04) U	NT) (0,045) U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.041)	D ND (0.0	4) U ND	(0.037) U	ND (0.039) UJ	ND (0.04) U ND (0.04) U	ND (0.045) U ND (0.045) U
1,3-dichlorobenzene 1,4-dichlorobenzene		mg/kg mg/kg	ND (0.041) ND (0.041)	U ND (0.0 U ND (0.0	•		ND (0.039) UJ ND (0.039) UJ	ND (0.04) U ND (0.04) U	ND (0.045) U
2,2-oxybis (1-chloropropane) 2,4,5-trichlorophenol		mg/kg mg/kg	ND (0.041) ND (0.081)	U ND (0)			ND (0.039) UJ ND (0.078) UJ	ND (0.04) U ND (0.08) U	ND (0.045) U ND (0.091) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.081)	U ND (0.0	08) U ND	(0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4-dichlorophenol	arm or the commence of the com	mg/kg mg/kg	ND (0.081)	U DD (0.0 10) ФИ U	INVIDENTALISM SEE WAS ASSAULT FOR THE	COSTA POR	ND (0.078) UJ ND (0.078) UJ	ND (0.08) U ND (0.08) U	ND (0.091) U ND (0.091) U
2,4-dinitrophenol 2,4-dinitrotoluene		mg/kg mg/kg	ND (0.24) ND (0.081)	U ND (0). U ND (0,0	37322.3110.01 (626.566000-000000000000000		ND (0.23) UJ ND (0.078) UJ	ND (0,23) U ND (0.08) U	ND (0.26) U ND (0.091) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.041)	U ND (0.0)4) U ND	(0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-ethoromaphrhaicne 2-ethorophenol		mg/kg . mg/kg	ND (0:041) ND (0:041)	The part of the second second second second)4) U ND)4) U ND		ND (0.039) UI ND (0.039) UI	ND (0.04) U ND (0.04) U	ND (0.045) U ND (0.045) U
2-methylnaphthalene 2-methylphenol		mg/kg	0.51 (0.041) ND (0.041)	0.074 (0.0	•	. ,	0.055 (0.039) J ND (0.039) UJ	ND (0.04) U ND (0.04) U	ND (0.045) U ND (0.045) U
2-nitroanilme	88-74-4	mg/kg mg/kg	ND (0.041) ND (0.041)	U ND (0.0 U ND (0.0	PROPERTY OF STREET, STORE STORE AND STREET, ST	ดองเมาอันแบบเกาเกาเทรางที่เกาแบบเคม บดเบาห	ND (0.039) UJ ND (0.039) UJ	MD (0.04) U	ND (0.045) U
2-mitrophenol 3,3'-dichlorobenzidine		mg/kg mg/kg	ND (0.081) ND (0.081)	conduction and or many series controlled and controlled the ex-	- 15 - Francisco de la companya del companya de la companya del companya de la co	the free garden with the same of the same	ND (0.078) UJ ND (0.078) UJ	ND (0.08) U ND (0.08) U	ND (0.091) U ND (0.091) U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.081)	U ND (0.0	98) U ND	(0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
3-difrosailine 4,6-difftro-2-methylpheno	ET WILL SEE HER BOLDED TRUTH	mg/kg mg/kg	ND (0.081) ND (0.2)	U ND (0.0 U ND (0.			ND (0.078) UJ ND (0.19) UJ	ND (0.08) U ND (0.2) U	ND (0.091) U ND (0.23) U
4-bromophenyl phenyl ether 4-chloro-3-methylphenol		mg/kg mg/kg	ND (0.081) ND (0.081)	U ND (0.0 U ND (0.0	,	` '	ND (0.078) UJ ND (0.078) UJ	ND (0.08) U ND (0.08) U	ND (0.091) U ND (0.091) U
4-chloroaniline	106-47-8	mg/kg	ND (0.041)	U ND (0.0)4) U NC	(0.037) U	. ND (0.039) UI	- ND (0.04) U	ND (0.045) D
4-chlorophenyl phenyl ether 4-nitroaniline	Jahr Jahr Hall Harring Control of the Control	mg/kg mg/kg	ND (0.041) ND (0.081)	U ND (0.0 U ND (0.0	on was an employed and district 63645	F 167 (17 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	ND (0.039) UJ ND (0.078) UJ	ND (0.04) U ND (0.08) U	ND (0.045) U ND (0.091) U
4-nitrophenol		mg/kg	ND (0.2)	U ND (0.	ani amang at an an an an an		ND (0.19) UJ	ND (0.2) U	ND (0.23) U
ace naphthy lene	208-96-8	mg/kg mg/kg	0.45 (0.041) 0.078 (0.041)	1 ND (0.0			0.24 (0.039) J 0.057 (0.039) J	ND (0.04) U ND (0.04) U	ND (0,045) U ND (0,045) U
anthracene benzo (a) anthracene		mg/kg mg/kg	0.46 (0.041) 0.59 (0.041)	0.26 (0.6 0.18 (0.6	•		0.87 (0.039) J 0.37 (0.039) J	0.054 (0.04) J ND (0.04) U	ND (0.045) U ND (0.045) U
berizo (a) pyrene	50-32-8	mg/kg	0.39 (0.041)	J 0.12 (0.1)4) J 0.1	(0.037) J	0.23 (0.039) J	ND (0.04) U	ND (0.045) U
benzo (ghi) perylene		mg/kg mg/kg	0.58 (0.041) 0.18 (0.041)	J 0.065 (0.0	enster to to selle al me an.	mpaper was new minimum nitra and first the	0. 34 (0.039) J 0. 098 (0.039) J	ND (0.04) U ND (0.04) U	ND (0.045) U ND (0.045) U
benzo (k) fluoranthene bis (2-chloroethoxy) methane	ere ode ode odkada analisa ere ere	mg/kg mg/kg	0.19 (0.041) ND (0.081)	J 0.064 (0.0 U ND (0.0	Matricopolici orrespentation de la comp	และเสยเด็กสายสายเกาะเหลือสายสายสายสายสายสายสายสายสายสายสายสายสายส	0.13 (0.039) J ND (0.078) UJ	ND (0.04) U ND (0.08) U	ND (0.045) U ND (0.091) L
bis (2-chloroethyt) ether	1)]-44-4	ng/kg	ND (0.041)	U ND (Q.	14) : U - NE	(0.037) U	ND (0.039) UJ	ND (0,04) U	ND (0.045) U
bis (2-ethylhexyl) phthalate butyl benzyl phthalate		mg/kg mg/kg	ND (0.081) ND (0.081)	U ND (0.0 U ND (0.0	,	` '	ND (0.078) UJ ND (0.078) UJ	0.39 (0.08) U* ND (0.08) U	ND (0.091) U ND (0.091) U
Carbázole chrysene	Community of the control of the cont	mg/kg mg/kg	0.57 (0.041) 0.53 (0.041)	0.16 (0.1 0.18 (0.1	THE OWN-THE PERSON NAMED IN COLUMN TWO	PRINCES OF REPURENCE SERVICES	0.08] (0.039) J 0.61 (0.039) J	ND (0.04) U ND (0.04) U	ND (0,045) : U : ND (0,045) : U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.081)	U ND (0.0)8) U ND	(0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
di-n-octyl phthalate diberz (a.fr) anthracene		mg/kg mg/kg	ND (0.081) 0.062 (0.041))8) U ND)M) U ND	mana militari mana ani ara ara ara ara	ND (0.078) UJ ND (0.039) UJ	ND (0.08) U ND (0.04) U	ND (0.091) U ND (0.045) U
dibenzofuran diethyl phthalate		mg/kg	0.41 (0.041)	0.15 (0.0) 4)	(0.037) J	0.18 (0.039) [. ND (0.04) U	ND (0.045) U
dimethyl nhthalate	131-11-3	mg/kg mg/kg	ND (0.081) ND (0.081)	U ND (0.0	08) U ND	(0.075) U	ND (0.078) UJ ND (0.078) UJ	ND (0.08) U ND (0.08) U	ND (0.091) U ND (0.091) U
fluoranthene fluorene		mg/kg mg/kg	1.7 (0.041) 0.62 (0.041)	0.68 (0. 0.23 (0.0)4)		1.1 (0.039) J 0.3 (0.039) J	0.1 (0.04) I ND (0.04) U	ND (0.045) U ND (0.045) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.041)	U ND (0.0	04) U ND	(0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
hexachlorobutadiene hexachlorocyclopentadiene		mg/kg mg/kg	ND (0.081) ND (0.2)	TO THE OWNER OF THE PERSON OF	08) U ND 2) U NE		ND (0.078) UJ ND (0.19) UJ	ND (0.08) U ND (0.2) U	ND (0.091) U ND (0.23) U
indeno (1,2,3-cd) pyrene	Section and the Artificial Control	mg/kg mg/kg	ND (0.041) 0.22 (0.041)	U ND (0) J 0.069 (0,0	M) U NC	(0.037) U	ND (0.039) UJ 0.12 (0.039) J	ND (0.04) U ND (0.04) U	ND (0.045) U ND (0.045) U
isophorone	78-59-1	mg/kg	ND (0.041)	U ND (0.0) U ND	(0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
N-nitrosodi-n-propylamine N-nitrosodiphenylamine		mg/kg mg/kg	ND (0,041) ND (0.041)				ND (0.039) UJ ND (0.039) UJ	ND (0.04) LI ND (0.04) LI	ND (0.045) U ND (0.045) U
naphthalene nitrobenzene		mg/kg	1.1 (0.041)	0.18 (0.0)4) J 0.18	3 (0.037) J	0.24 (0.039) J	ND (0.04) U	ND (0.045) U
pentachiloropheno	87-86-5	mg/kg mg/kg	ND (0.041) ND (0.2)	U ND (0	2) U :- NE	(0.19) 11	ND (0.039) UJ ND (0.19) UJ	ND (0.04) U ND (0.2) U	ND (0.045) U ND (0.23) U
phenanthrene pheno		mg/kg mg/kg	1.7 (0.041) ND 0.000081	0.72 (0. U ND (0.0	14) 0,5	(0.037)	0.89 (0.039) j ND (0.078) UJ	0.12 (0.04) J ND (0.08) U	ND (0.045) U ND (0.091) U
pyrene		mg/kg	1.4 (0.041)	`			0.75 (0.039) J	0.079 (0.04) J	ND (0.045) U
Other Parameters Moisture Content(c)	N.A.	wt. %	18;: (0.08)	16.7 (0.	8) 10.	5 (0.08)	14.0 (0.08)	16.6 (0.08)	26.5 (0.08)

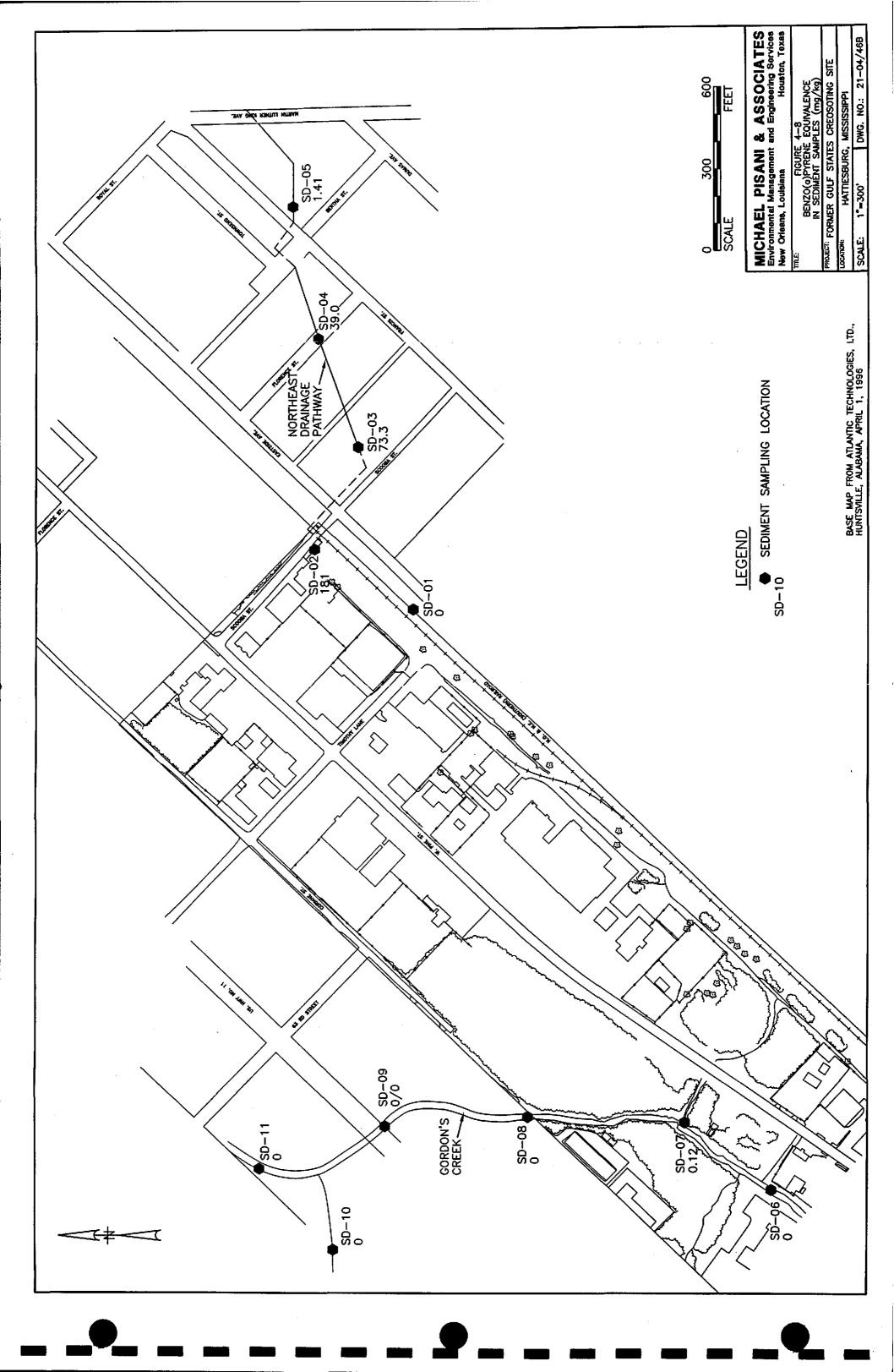
- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample SD-12.
- (b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

 U qualifier denotes not detected.
- qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher thatn the value shown in parentheses due to a bias identified during the data validation quality assurance review.









5.0 Conclusions

5.1 Conclusions

The following is a summary of major conclusions based on the results of RI activities:

Soil Investigations

- 1. Affected soil within the former Process Area extends to a distance at least 40 feet to the east of the Courtesy Ford fence line. This area has likely been impacted by drainage from former Process Area operations and the periodic "mucking out" of the ditch between the railroad tracks and the Process Area.
- 2. Target constituents within former treated wood storage areas are generally confined to soils within the first 2 feet below land surface. The majority of former treated wood storage areas are paved with asphalt.
- Outside of the Gordon's Creek Fill Area, target constituents in soils on the RSCO property are generally confined to soils within the first 2 feet below land surface. This area was regraded during site development in the early 1960s.

Stratigraphic Characterization

- 4. The three distinct units beneath the Process Area (i.e., upper clay, sand channel, and underlying clay aquitard) extend to the east of the site and dip gradually eastward toward the Leaf River. As the land surface elevation falls to the east, the upper clay thins significantly.
- 5. The shallow geology on the opposite (northwest) bank of Gordon's Creek is identical to the geology of the Fill Area (i.e., a surficial clay, underlain by two sandy zones separated by a thin clay layer, in turn underlain by a deeper clay).

Ground Water Investigations

- 6. In October 1998, ground water elevations in wells screened within the Process Area sand channel were, on average, 3 to 4 feet lower than in April 1997. This is believed to be a seasonal effect.
- 7. Ground water flow direction within the sand channel is eastward from the Process Area toward the floodplain of the Leaf River. Water level elevations in offsite Process Area wells indicate a much flatter gradient (0.0008 feet per foot) to the east of the site. Offsite ground water flow velocities calculated using this flatter gradient range from 0.003 to 0.02 feet per day.
- 8. Process Area constituents have migrated offsite to the east via the ground water pathway. However, no free-phase product or carcinogenic PAHs were detected in offsite ground water, and constituent concentrations decrease dramatically with distance from the former Process Area. Furthermore, using conservative estimates of ground water velocity, the maximum distance that constituents could have migrated offsite in 60 years is approximately 450 feet.

- 9. The presence of site constituents in ground water samples collected at locations immediately adjacent to the northeast drainage pathway does not appear to be the result of lateral migration via the ground water pathway, but likely occurred due to the vertical migration of constituents from the drainage ditch itself.
- 10. The extent of affected ground water within the Fill Area has now been fully delineated. As anticipated, the area containing affected ground water is similar in size and shape to the overlying area of affected soil delineated during the Phase I RI.
- 11. Ground water within the Fill Area sands flows toward Gordon's Creek and downstream along the creek. A comparison of ground water elevation data to the Gordon's Creek surface water elevation indicates that at the time of Phase II RI field activities, surrounding ground water was discharging to Gordon's Creek.

Surface Water and Sediment Sampling

- 12. Neither surface water or near surface (zero to 6-inch) sediment samples from Gordon's Creek appear to have been significantly impacted with site constituents. However, a sheen has been observed sporadically on the surface water within Gordon's Creek.
- 13. Except at its inception, surface water within the northeast drainage pathway was essentially free of site constituents. Sediments within the ditch appear to have been impacted by site runoff to a distance of approximately 1,000 feet offsite.
- 14. The results of Phase II RI surface water and sediment sampling indicate little or no partitioning of constituents from sediments to surface water, and therefore minimal potential for the offsite migration of site constituents via the surface water pathway.