SITE HISTORY AND CURRENT CONDITIONS REPORT

RACER TRUST
TOLEDO 103C LANDFILL
TOLEDO, OHIO

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1.0 INTRODUCTION

This report presents a description of the current and historical conditions at the RACER Properties, LLC property in Toledo, Ohio (site).

1.1 GENERAL

Revitalizing Auto Communities Environmental Response (RACER) Trust has entered into a Performance-based Voluntary Agreement for the site. Conestoga-Rovers & Associates (CRA) has been retained by RACER to prepare this document entitled "Current Conditions Report" (CCR) to describe the current and historical conditions at the site and to provide a baseline report presenting available information about the site.

The site is located at 1455 W. Alexis Road immediately south of the General Motors, LLC facility in Toledo, Lucas County, Ohio. The Site consists of approximately 33 acres as shown in Figure 1.1. The Site is bounded by the GM plant to the north, by railroad to the east, wooded area to the south, and a recreational area to the west. The Site includes areas adjacent to Silver Creek and its tributary ditches and is zoned industrial.

The United States government originally built the adjacent industrial plant in 1941. GM Corporation acquired the plant and surrounding land in 1956. In 1999, the 33 acres south of the plant were transferred to Remediation and Liability Management Co., Inc. (REALM) a wholly owned subsidiary of General Motors Corporation. Following the settlement of bankruptcy of General Motors Corporation, RACER Properties, LLC acquired the site as part of the formation of the RACER Trust on March 31, 2011.

1.2 AREAS OF INTEREST

This section presents an overview of the Areas of Interest (AOIs) evaluated in this CCR. The AOIs were identified during the formulation of the cost estimates which established the basis for the funding which RACER Trust received to take this property through closure for potential reuse:

- AOI-1 - Former Disposal Area
- AOI-2 - Former Stormwater Pond
- AOI-3 - Silver Creek and Tributaries

- AOI-4 - Soil Stockpile Area
- AOI-5 - Southwest Corner Area

1.3 SCOPE OF CCR

The purpose of the CCR is to describe the current and historical conditions at the site resulting from the treatment, storage, disposal, or release of non-hazardous and hazardous waste or hazardous constituents to the environment and to identify if further action is required.

To prepare this CCR, CRA completed the following activities:

- Reviewed available documents concerning historical remediation, treatment, storage, releases, or disposal of hazardous waste and hazardous constituents
- Prepared a summary of previous environmental investigations and remedial activities completed at the site
- Reviewed available information regarding local land use, climate, geology, hydrogeology, surface water hydrology, and ecology
- Discussed with personnel familiar with the site historical operations at the site
- Evaluated existing data to identify AOIs

The CCR was compiled based on a review of information contained in RACER TRUST, CRA, and U.S. EPA files. In addition, other resources, including United States Geological Survey (USGS) data, were utilized to obtain information regarding local land use, water supply, demographics, topography, climate, geology, hydrogeology, hydrology, and ecology. Due to the large volume of information obtained and reviewed for the site, not all material is appended to this document. Relevant information has been summarized within the contents of this document and referenced and/or appended where appropriate.

1.4 REPORT ORGANIZATION

The CCR is organized in the following sections:

i) Section 1.0 presents an introduction and outlines the organization of the CCR

ii) Section 2.0 summarizes the site location, ownership, current and historical operations and waste management practices

iii) Section 3.0 summarizes the local land use, water supply, demographics, topography, and regional ecology

iv) Section 4.0 provides site-specific information regarding topography, geology, hydrogeology, hydrology, and ecology

v) Section 5.0 summarizes previous environmental investigations and remedial actions conducted at the site

vi) Section 6.0 summarizes information on the 5 AOIs identified in this report

The CCR includes the following appendices:

Appendix A Performance Based Voluntary Agreement

Appendix B Draft Summary of Site Investigations (May 1997 to December 2000)

Appendix C Draft Confirmatory Investigation Report

Appendix D Preliminary Site Assessment – Former Disposal Area

Appendix E Site Assessment-Phase II – Former Disposal Area

Appendix F As-Built Drawings

2.0 DESCRIPTION OF SITE

2.1 SITE LOCATION/DESCRIPTION

The site is located at 1455 W. Alexis Road immediately south of the General Motors facility in Toledo, Lucas County, Ohio. The Site consists of approximately 33 acres. The Site is bounded by the GM plant to the north, by railroad to the east, wooded area to the south, and a recreational area to the west. The Site includes areas adjacent to Silver Creek and its tributary ditches and is zoned industrial. A site layout is presented on Figure 2.1.

2.2 CURRENT AND HISTORICAL OWNERSHIP AND OPERATIONS

The following subsections discuss the current and historical ownership and operations at the site.

2.2.1 CURRENT OWNERSHIP AND OPERATIONS

The site is currently owned by RACER's wholly owned subsidiary, RACER Properties, LLC. The site is vacant and partially wooded. Operation and maintenance activities of the Former Disposal Area and the Former Stormwater Pond are the only activities occurring at the site presently.

2.2.2 HISTORICAL OWNERSHIP AND OPERATIONS

The site was reportedly utilized for agricultural purposes for various types of crops or consisted of vacant undeveloped land prior to industrial development in the early 1940s.

The adjacent facility was originally built in 1941 by the United States government under the supervision of the Defense Plant Corporation and was known as the American Propeller Corporation. GM Corporation began production a year after acquiring Plant 1 from the Martin Parry Corporation in 1955. GM Corporation acquired Plant 2 from the Brown Trailer Company in 1956. Since 1956, several major expansions have increased the facility's original size of 400,000 square feet to its present size of 1,600,000 square feet. The powerhouse and the Quality Assurance Center were built in 1967. On April 1, 1983, the facility was transferred from the Chevrolet Motor Division to the Hydra-Matic

Division. Additions to the Wastewater Treatment Facility were made in 1984 and 1988. In 1991 the Hydra-Matic Division was reorganized to become part of the GM Corporation Powertrain Division. In 1999, the 33 acres south of the plant (site) were transferred to Remediation and Liability Management Co., Inc. (REALM) a wholly owned subsidiary of General Motors Corporation. Following the bankruptcy of General Motors Corporation, RACER Properties, LLC acquired the site on March 31, 2011 as a part of the formation and a wholly owned subsidiary of RACER Trust.

2.3 CURRENT AND HISTORICAL WASTE MANAGEMENT PRACTICES

2.3.1 CURRENT WASTE MANAGEMENT PRACTICES

The site does not have any current operations and therefore there are no current waste management activities existing at the site. The site is vacant and partially wooded. Operation and maintenance activities of the Former Disposal Area and the Former Stormwater Pond are the only activities occurring at the site presently. Groundwater is pumped from collection trenches associated with the Former Disposal Area and the Former Stormwater Pond and are discharged under permit to the sanitary sewer.

2.3.2 HISTORICAL WASTE MANAGEMENT PRACTICES

Waste was placed on the site historically, specifically in AOI-1, Former Disposal Area, and AOI-2, Former Stormwater Pond. However, these activities were all pre-RCRA and therefore not considered to be regulated units. A voluntary site investigation and remediation activities were conducted at the site in the late 1990s. Please refer to Sections 5 and 6 of this report for a more detailed account of the site investigation and remediation activities that occurred.

3.0 REGIONAL ENVIRONMENTAL SETTING

3.1 TOPOGRAPHY

The State covers an area of approximately 44,828-square miles. The State's topography ranges from 455 to 1,549 feet above mean sea level (AMSL). The lowest point of elevation is the Ohio River and the highest point is Campbell Hill located in Logan County. In the north, where Ohio borders Lake Erie, the land takes on the characteristics of the Great Lakes Plains. The Great Lakes Plains run along the Great Lakes from Wisconsin to Ohio. In northeast Ohio, the Great Lakes Plains, referred to as the Lake Erie Plains along Lake Erie, expand about ten miles south into Ohio from the banks of the lake. This fertile lowland widens as it rolls west until it is more than fifty miles wide in the Maumee Valley. Site specific topography is discussed in Section 4.1.

3.2 LAND USE

The land use in the vicinity of the site is industrial, commercial, and vacant land. The General Motors LLC transmission assembly plant is directly north of the site. Several commercial businesses and several residences are located further to the north. Vacant and wooded land is directly to the south of the site while more industrial facilities lie further to the south. A railway spur is located directly to the east with residential further to the east. A mix of recreational and residential properties lies to the west of the site.

3.3 DEMOGRAPHICS

The site is located in Lucas County, Ohio. Lucas County is approximately 596 square miles in area with Toledo as its principal city. The population of Lucas County as of the 2010 Census was 441,815.

3.4 CLIMATE

Toledo, like several other cities in the Great Lakes region, experiences a humid continental climate, characterized by four distinct seasons. Both temperature and precipitation vary widely seasonally. Lake Erie moderates the climate somewhat, especially in late spring and fall, when air and water temperature differences are

maximal. However, this effect is lessened in the winter by the fact that Lake Erie freezes over in most winters (unlike the other Great Lakes), coupled with prevailing winds that are often westerly. Southerly and westerly prevailing winds combined with warm surface waters of Lake Erie in summer also negate the lake's cooling ability on the city; furthermore, the lake's presence increases humidity.

Summers are very warm and humid, with July averaging 73.0 °F (22.8 °C) and temperatures of 90 °F (32 °C) or more seen on 15 days. Winters are cold and somewhat snowy, with a January mean temperature of 23.9 °F (−4.5 °C), and lows at or below 0 °F (−18 °C) on 9 nights. The spring and summer months tend to be wetter than autumn and winter. About 37 inches (94 cm) of snow falls per year, much less than the Snow Belt cities because of the prevailing wind direction. Temperature extremes have ranged from −20 °F (−29 °C) on January 21, 1984 to 105 °F (41 °C) on July 14, 1936.

3.5 REGIONAL GEOLOGY

The soils in Lucas County are postglacial in origin. The glacial-lake landscape is characterized by the sandy beach ridges and dunes of the Oak Openings, which extends northeast-southwest from Sylvania to Neapolis. The area to the northwest of the Oak Openings is a glacial moraine, and the area to the southeast is the lake plain of old Lake Erie.

Most of the bedrock in Lucas County is encountered at a depth of 20 to 160 feet. It is near the surface mainly in the northern and southern parts of the county. This bedrock is mainly limestone or dolomite, and it is quarried in many places. Calcareous sandstone is near the surface in the area east of Whitehouse and west of Sylvania (USDA Soil Survey of Lucas County, OH, 1980).

The regional geology is characterized by approximately 50 to 80 feet of unconsolidated glacial drift overlying Silurian-age dolomites and evaporites (C-E Environmental, May 1989).

The soils in the vicinity of the Site are generally classified as Bixler-Dixboro association soils. These are nearly level or gently sloping, somewhat poorly drained soils that formed in loamy and sandy glacial lake sediment. These soils have moderate permeability and generally a seasonal water table within a depth of 1 or 2 feet of ground surface (U.S. Department of Agriculture, June 1980).

3.6 REGIONAL HYDROGEOLOGY

Glacial deposits in Lucas County are composed primarily of three types of sediments: till, outwash, and lacustrine. Till consists of an unsorted mixture of silt, sand, clay, and gravel. Till deposits are found throughout almost all of Lucas County; however, in most of the county the tills are buried under a layer of lacustrine deposits.

Outwash consists of sediments (typically sand and gravel) that have been sorted and deposited by water flowing from melting glacial ice. Outwash deposits in Lucas County are limited to lenses within the till deposits, especially in the buried preglacial valleys, and to a layer of sand and gravel which often occurs just above the bedrock surface.

Bedrock underlying Lucas County belongs to the Silurian, Devonian and Mississippian Systems. The Silurian formations that underlie the eastern two-thirds of the county consist primarily of dolomite with some limestone sandstone and shale. The Devonian and Mississippian rocks are shales and interbedded shales and thin sandstones, respectively.

Thick beach/deltaic deposits of fine to medium grained sand characterize this setting. These deposits occur in a wide belt running diagonally from the Michigan border in the north-central portion of Lucas County, to the Fulton and Henry county line in the southwestern part of the county. This band of sediments is named the Oak Openings Sand. In addition to the Oak Openings Sand unit the setting is found in a narrow band along Lake Erie at the eastern tip of the county. Soils are sands or sandy loams formed from the beach/deltaic deposits. The vadose material and the aquifer are typically composed of the sand. Depth to water is shallow because of the permeable nature of the soils and the till deposits underlying the sand that forms a nearly impermeable barrier baring downward movement of ground water. Recharge is high because of the permeable nature of the deposits and the high water table (Groundwater Pollution Potential of Lucas County, OH, 2002).

3.7 REGIONAL SURFACE WATER HYDROLOGY

The Maumee River, named by the Miami Indians, was designated a State Scenic River on July 18, 1974. Located in the northwestern part of the state, the Maumee flows northeasterly through portions of Paulding, Defiance, Henry, Wood, and Lucas counties.

The recreational portion is 53 miles long. In this segment the river greatly changes in character. Its floodplain widens and its channel doubles in size; the topographic relief is much less pronounced; and forest cover becomes sparse.

The Maumee River, once a part of the Great Black Swamp, underwent extensive drainage to yield vast, fertile, agricultural lands, a part of the landscape that remains today. The Maumee River Watershed is over 5,000 square miles and drains some of the richest farmland in Ohio. Changes in traditional farming practices are being undertaken to reduce pollution of the river from sediments, farm chemicals, and urban runoff following rain events (ODNR Division of Natural Area and Preserves).

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek is approximately 7 miles in length. Please refer to Section 4.5 for more details on Silver Creek and the surface water hydrology of the site.

3.8 REGIONAL ECOLOGICAL SETTING

The Maumee River riparian corridor is a well-developed floodplain forest, comprised mostly of sycamore, cottonwood, maples, ash, walnut, and other tree species. Natural communities of mixed riverine species still exist within the watershed, comprised of cattail, smartweed, docks, various types of rushes, and other plant species (ODNR Division of Natural Areas and Preserves).

The Maumee watershed provides habitat for important communities of fish and wildlife. In addition to aquatic habitat for fish and aquatic macroinvertebrates, the associated riparian corridor provides important habitat for terrestrial mammals and birds. Approximately 40 species of mammals inhabit the watershed, including muskrats, mink, whitetail deer, skunk, raccoons, opossum, bats, various squirrel species, numerous species of mice, and other small mammals. More than 110 species of breeding birds have been identified within the watershed. Other species of interest include the Bald Eagle, the Great Blue Heron, and the America Egret. The Maumee River serves as a migration pathway for many species of warblers, songbirds, and seasonally, for numerous species of migratory waterfowl. Reptile and amphibian species include several common species of turtles, snakes, salamanders, toads, and frogs. Recent surveys completed by the Ohio Environmental Protection Agency identified 75 species of fish (ODNR Division of Natural Areas and Preserves).

4.0 SITE SETTING

4.1 PHYSIOGRAPHY AND TOPOGRAPHY

The site is relatively flat to the south of Silver Creek with little topographic relief and to the north is mounded due to the closure of the Former Disposal Area and the Former Stormwater Pond. Figure 1.1 presents the topography of the site and surrounding area.

4.2 LAND USE

The General Motors LLC Transmission Assembly Plant is directly north of the site. Several commercial businesses and several residences are located further to the north. Vacant and wooded land is directly to the south of the site while more industrial facilities lie further to the south. A railway spur is located directly to the east with residential further to the east. Recreational and residential properties lie to the west of the site.

4.3 GEOLOGY

Based on the inspection of the soil samples collected during previous investigations, geologic materials at the Site consist of clayey and silty sands to a depth of approximately 5 to 8 feet. From 8 to 32 feet, silty clay till was encountered. Underlying the clay till is a zone of fairly well-sorted medium and fine sands that was encountered during the installation of monitoring well MW-1 and the completion of borehole SB-1 (C-E Environmental, May 1989). The shallow clayey and silty sands appear to be hydraulically isolated from the lower medium and fine sands by the clay till.

4.4 HYDROGEOLOGY

The shallow saturated zone is found approximately 8 feet below land surface, appears to be less than 5 feet thick, and may represent a perched waterbearing zone. Groundwater generally flows towards Silver Creek and likely discharges to Silver Creek during most of the year. The clayey and silty sands overlying the till represent the uppermost saturated zone and appear to be hydraulically isolated from the lower medium and fine sands. The lower sands represent the principle groundwater-yielding zone.

Groundwater flow in the upper silty sands is towards Silver Creek. The groundwater discharge from this zone creates base flow for the creek.

4.5 SURFACE WATER HYDROLOGY

The Site is located in the Halfway Creek drainage basin that flows into Lake Erie. Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek is approximately 7 miles in length. On a topographic map dated 1899, Silver Creek is shown flowing directly into Lake Erie; however, by the mid-1930s it was re-routed downstream of the Site, and now flows into Halfway Creek, and then into Lake Erie. In the vicinity of the Site, Silver Creek is approximately 10 to 15 feet wide and up to 2 feet deep during normal conditions. The depth of water may increase significantly during storm events. The Ohio EPA has designated Silver Creek as a warm water habitat that may potentially be used for agricultural or industrial water supply usage, and for primary contact recreational usage. Silver Creek is not gauged; therefore, no historical flow data is available. Groundwater seepage has been observed along the Site banks of Silver Creek in several locations.

In the late 1990s an application for Nation Wide Permit (NWP) #26 was submitted to the U.S. Army Corp. of Engineers for the re-alignment of a section of Silver Creek. This permit application specifically applied to the re-location of approximately 485 linear feet of Sliver Creek channel to the south away from AOI-1 Former Disposal Area by creating new streambed. The existing stream bed was utilized for a leachate collection trench for the Former Disposal Area.

Five on-Site ditches flow intermittently into Silver Creek. Ditch C is the only Ditch located near either the existing or former stormwater ponds. Ditch C is located north of Silver Creek between the eastern property boundary of the Site and the existing holding basin. A west branch of Ditch C flows eastward around the northern edge of the existing holding basin and joins the main branch of Ditch C. Ditch C is approximately 1,300 feet in total length and flows south into Silver Creek. Ditch C appears on the 1934, 1952, and 1965 topographic maps, and on the 1949, 1960, and 1962 aerial photographs as flowing directly south into Silver Creek. The west branch is shown on the 1980, 1987, and 1990 aerial photographs and on the 1986 topographic map (not included with this report). Ditch C flows intermittently.

The majority of the Site, including the ditches and former holding pond; are located within the 100-year flood plain of Silver Creek. The existing holding basin is in an area of minimal flooding between the limits of the 100-year and 500-year floods (National Flood Insurance Program, June 4, 1980).

4.6 ECOLOGY

A preliminary wetland evaluation was completed by Conestoga-Rovers & Associates (CRA) and was restricted to Silver Creek and the area south of Silver Creek (CRA, Wetland Delineation Report, 12609(04) Appendix D). Findings indicated that there are limited riverine wetland resources on this site that are located within the littoral zone of Silver Creek. This littoral zone is sharply limited by the steep banks that the stream displays in the project area. The extent of the wetlands on the site is limited to approximately 0.137 acres that are involved in the littoral strip of vegetation on either side of the stream. Examination of the biological community found in the three major ecosystems on this Site. The ecosystems are as follows:

- Undisturbed Second-Growth Woodlands
- Old Field Areas and Brushy Stands
- Low-Lying Streamside Wet Areas

There are no wetland resources found in either of the first two ecosystems except where they intersect with the narrow corridor represented by the watercourse and its littoral areas. Saturated soils are found only along the streambed. The stream area also displays limited signs of drift and debris indicating periodic high water conditions consistent with urban stream systems.

No threatened and/or endangered species were identified during the investigation. No remarkable ecological resources were identified and no indication was noted of any anthropological and/or historical artifacts or development.

5.0 SUMMARY OF PREVIOUS INVESTIGATION AND REMEDIAL ACTIONS

Please refer to the following excerpts of documents which detail previous investigations and remedial actions at the site. The complete documents are included in the Appendices for review.

5.1 SUMMARY OF SITE INVESTIGATIONS REPORT (MAY 1997 TO DECEMBER 2000)

The purpose of this report was to present all of the data collected by Conestoga-Rovers & Associates (CRA) during Site investigations between May 1997 and December 2000. Investigations were conducted to evaluate the extent of contamination in selected areas of interest (AOI) at the General Motors Corporation (GM) Powertrain Group – Toledo Plant located at 1455 West Alexis Road, in Toledo, Ohio. As this report only covers the AOIs associated with the RACER site, only the following excerpts from this summary report detail the findings of those AOIs were included. This report including all figures and tables referenced in the following excerpted section can be found in Appendix B.

AOI-1 - FORMER DISPOSAL AREA

DESCRIPTION OF AREA

In late 1988, GM discovered that a portion of their Toledo plant site, approximately 5 acres in size, was used as a disposal area in the 1950s and 1960s. The Former Disposal Area (FDA) is bounded by railroad tracks to the north and east and by Silver Creek to the south. The FDA is not lined or capped. The location of the FDA is presented on Figure 1.2.

SOIL INVESTIGATIONS

In January 1989, C-E Environmental, Inc. (C-EE) conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis. For more information on their Phase I investigations refer to report entitled "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE. Based on the Phase I findings, C-EE and GM decided to conduct additional investigations

(Phase II) on the FDA, including sampling and analysis. Phase II field activities were conducted by C-EE on August 22 and 23, 1989. For more information on their Phase II investigations refer to report entitled "Site Assessment Phase II-Former Disposal Area at Toledo Facility" by C-EE.

In January 1998, three boreholes (BH101-98 through and BH103-98) and three monitoring wells (MW-101-98 through MW-103-98) were completed. In June 1998, due to the variability in PCB concentrations detected in the previous soil samples collected, 21 additional boreholes were installed (BH119-98 through BH139-98, with BH138A-99 being sampled in place of BH138-99 due to obstructions). In August 1999, MW117-99 was installed, but no soil samples were collected. In 2000, one composite soil sample was collected on the northeast side of the FDA, in the Fill Soil Pile (BH238-00). Table 3.6.1 presents the depths and parameters for which the soil samples were collected and analyzed, respectively. The borehole locations are presented on Figure 3.6.1, and the borehole logs are presented in Appendix B, expect BH238-00. The soil detections found in the FDA are presented on Figures 3.6.2 and 3.6.3, and in Table 3.6.2. Appendix C presents the analytical results, including any non-detects. (Ref: 10, 11, and 14)

GROUNDWATER INVESTIGATIONS

To characterize the groundwater in the vicinity of the FDA, one monitoring well was installed (MW-1) in January 1989 by C-EE. Groundwater samples have been collected from this monitoring well on numerous occasions during a period from January 1989 to March 1997. For more information on the groundwater sampling at MW-1, refer to C-EE's Phase I and Phase II investigation reports.

Five groundwater investigations have occurred in the FDA, including continued sampling at MW-1. In January 1998, MW-101-98 through MW-103-98 were installed. MW117-99 was then drilled and completed in 1999. Table 3.6.1 presents the parameters that the groundwater samples were analyzed for. The monitoring well locations are presented on Figure 3.6.1, and the well logs are presented in Appendix B. The detections of the analyzed parameters in the FDA are presented on Figure 3.6.4 and in Table 3.6.3. Appendix C presents the analytical results, including any non-detects. (Ref: 10 and 11)

LEACHATE INVESTIGATIONS

Historically two leachate seeps were investigated in the FDA, during a period spanning February 1990 to December 1992. One seep is located on the north bank of Silver Creek towards the east side of Ditch A. The other seep is located on the east side of Ditch A. (Ref 10) A leachate/groundwater seep was also identified on the south side of FDA, on the bank of Silver Creek (LCH-1-98). Table 3.6.1 presents the parameters that the leachate samples were analyzed for. The location of the leachate seep is presented on Figure 3.6.1. Detected analytical results are presented in Table 3.6.4. Full sets of analytical results are presented in Appendix C, including any non-detects. (Ref: 10).

AOI-2 - FORMER STORMWATER POND

DESCRIPTION OF AREA

Prior to 1981, stormwater and non-contact cooling water collected in the Former Stormwater Pond (FSP). The FSP was removed from service and backfilled (i.e., sludge left in place) in 1981. The location of the FSP is presented on Figure 1.2.

SOIL INVESTIGATIONS

In 1998, five locations were investigated in the FSP (BH109-98, BH110-98, MW104-98, BH117-98, and BH118-98). In 1999, six more boreholes were advanced (BH150-99 through BH152-99, MW110-99, MW111-99, and BH154-99), but BH150-99 and BH151-99 were not sampled due to obstructions. Table 3.5.1 presents the depths and parameters which samples were collected at and analyzed for, respectively. The borehole locations are presented on Figure 3.5.1, with the borehole logs being presented in Appendix B. The soil detections found in the FSP are presented on Figure 3.5.2 and in Table 3.5.2. Appendix C presents the analytical results, including any non-detects. (Ref: 8 and 11)

GROUNDWATER INVESTIGATIONS

To characterize groundwater in the vicinity of the FSP, three monitoring wells have been installed. In January 1998, MW104-98 was installed and in August 1999, MW-110-99 and MW-111-99 were installed. Table 3.5.1 presents the parameters that the groundwater samples were analyzed for. Well locations are presented on Figure 3.5.1, and well logs are presented in Appendix B. The groundwater detections in the FSP are

presented on Figure 3.5.3 and in Table 3.5.3. Appendix C presents the analytical results, including any non-detects. (Ref: 11)

AOI-3 - SILVER CREEK AND TRIBUTARY DITCHES

DESCRIPTION OF AREA

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site (see Figure 1.2). Silver Creek is approximately 7 miles in length, approximately 10 to 15 feet wide in the vicinity of the Site, and up to 2 feet deep during normal conditions.

Five on-Site ditches flow intermittently into Silver Creek. The locations of the ditches are presented on Figure 1.3. Ditch A is located along the western and northern boundary of the FDA, is approximately 900 feet in length, and flows south into Silver Creek. Ditch B is located directly south of the railway tracks along the eastern boundary of the FDA, is approximately 500 feet long and flows southeasterly into Silver Creek. Ditch C is located north of Silver Creek between the eastern property boundary of the Site and the FSP. Ditch C is approximately 1,300 feet in total length and flows south into Silver Creek. Ditch D is located near the eastern boundary of the Site, is approximately 500 feet in length, and flows north into Silver Creek. Ditch E is located south of Silver Creek near the southern property boundary, is approximately 300 feet in length, and flows east into the Ketchum Ditch. The Ketchum ditch flows northeast and enters Silver Creek. Figure 1.2 presents the location of Silver Creek and its Tributary Ditches.

SEDIMENT INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of Silver Creek and its tributary ditches. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Fourteen sediment samples have been collected in Silver Creek and its tributary ditches. In March 1998, SED-1-98 through SED-8-98, and SED-10-98 through SED-12-98 were collected. Three sediment samples were then collected from the eastern half of the property (SED14-00 through SED16-00) in 2000. Table 3.9.1

presents the parameters that the samples were analyzed for. The location of the sediment samples are presented on Figure 3.9.1, and the detected analytical results are presented in Table 3.9.2. Appendix C presents the analytical results, including any non-detects. (Ref: 9 and 13)

SURFACE WATER INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of Silver Creek and its tributary ditches. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Sixteen surface water samples have been collected in the Silver Creek and its tributary ditches. In March 1998, SW-1-98 through SW-10-98 was investigated. SW-4-99 through SW-6-99 were investigated in 1999. Three surface water samples were then collected from the eastern half of the property (SW1-00 through SW3-00) in 2000. Table 3.9.1 presents the parameters that the surface water samples were analyzed for. The location of the surface water samples are presented on Figure 3.9.1. Detected analytical results are presented in Table 3.9.3. Appendix C presents the analytical results, including any non-detects. (Ref: 13)

AOI-4 – SOIL STOCKPILE AREA

DESCRIPTION OF AREA

The area south of Silver Creek (ASC) is a large undeveloped portion of the site, bounded by Silver Creek to the north and to the west, the site boundary to the south, and the site boundary/railway tracks to the east. The area west of the FDA (AWFD) is another, smaller, undeveloped portion of the site, bounded to the north by railway tracks, to the east by the west ditch of the FDA, to the south by Silver Creek, and by the site boundary to the west. Figure 1.2 presents the location of the ASC/AWFD.

SOIL INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well

installations, and sampling and analysis in the vicinity of the ASC/AWFD. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

In January 1998, five test trenches were completed to investigate the subsurface soil (TP1-98 through TP5-98). One sample of soil fill was collected from TP-4A-98. BH106-98, BH107-98 were also advanced on the east side of the property in January 1998, while BH108-98 was advanced in south end of the property. In March 1998, three additional surface soil samples (S-1, S-2, and S-3) were collected near the southwest corner of the Site, near Ditch E. In October 1999, three monitoring wells were installed (MW120-99, through MW122-99), but no soil samples were collected. Fifteen test pits in the south end of the FDA (TP-1-99 through TP-14-99). In April 2000, 79 test pits were advanced in the ASC (TP-A1-00 through TP-V6-00) and five test pits were advanced in the AWFD (TP-C3-00 through TP-E6-00). During the same investigation, hand augers were used where access to the grid points was difficult. This was necessary at four locations in the ASC (HA-C1-00 through HA-D2-00) and eight locations in the AWFD (HA-D3-00 through HA-F6-00). In June 2000, eight boreholes were advanced. Three in the location of a proposed pond (BH235-00 through and BH237-00), and five advanced north of Silver Creek at the western edge of the Site (BH243-00 through BH247-00). In the same investigation, six additional test pits were advanced in the immediate vicinity of TP-J1-00 (TP-J1A-00 through TP-J1F-00. Table 3.7.1 presents the depths and parameters that the samples were collected at and analyzed for, respectively. The location of the boreholes and test pits are presented on Figure 3.7.1, with the test pit groupings for composite samples presented on Figure 3.7.2. The borehole and test pit logs are presented in Appendix B except TP1-98 through TP5-98, and TP1-99 through TP14-99. Soil and test pit PCB detections are presented on Figures 3.7.3 and 3.7.4, respectively, and in Table 3.7.2. Appendix C presents the analytical results, including any non-detects. (Ref: 10, 11, 13, and 14)

GROUNDWATER INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA with investigations occurring in the vicinity of the ASC & AWFD. For more information on these investigations of the groundwater, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

In October 1999, three wells (MW-120-99 through MW-122-99) were drilled and completed. The locations of the wells are presented on Figure 3.7.1, and the well logs are presented in Appendix B. To date, these monitoring wells have been used to monitor groundwater levels, but no groundwater samples have been collected from them. (Ref 11)

AOI-5 - SOUTHWEST AREA

DESCRIPTION OF AREA

In January 1989, C-EE conducted a Phase I of the FDA. As a part of this assessment, one surface soil sample was collected from the southwest corner of the site in order to obtain representative background surface soil conditions. However, when PCB Aroclor-1248 was detected in this background soil sample and its duplicate, it was determined that the southwest corner of the site, required further investigation. Figure 1.2 presents the location of the Southwest Area. (Ref: 4)

SOIL INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of the Southwest Area. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Four boreholes and five hand auger samples have been advanced in the Southwest Area. In June 2000, BH239-00 through BH242-00 were advanced. In September 2000, HA-001-00, HA-002-00 through HA-005-00 were advanced. Table 3.8.1 presents the depths and parameters that the sample were collected at and analyzed for, respectively. The locations are presented on Figure 3.8.1, and the borehole logs are presented in Appendix B. No logs are available for the hand augers. PCB soil detections are presented on Figure 3.8.2 and in Table 3.8.2. Appendix C presents the analytical results, including any non-detects. (Ref: 14)

5.2 CONFIRMATORY INVESTIGATION REPORT

The purpose of this report was to present the results of the confirmatory analysis for the remedial activities that were completed by Conestoga-Rovers & Associates (CRA) between August 1, 2000 and February 6, 2001. Remedial activities were performed based on the findings of the study area (Site) investigations performed by CRA between May 1997 and December 2000. Investigations were conducted to evaluate the extent of contamination in selected Areas of Interest (AOIs) at the General Motors (GM Powertrain Group – Toledo Plant) located at 1455 West Alexis Road in Toledo, Ohio. The following excerpts from this report detail the findings of AOIs only associated with the RACER owned property. . This report including all figures and tables referenced in the following excerpted section can be found in Appendix C.

AOI-1 - FORMER DISPOSAL AREA

In late 1988, GM discovered that a portion of their Toledo plant Site, approximately 5 acres in size, was used as a disposal area in the 1950s and 1960s. The FDA is bounded by railroad tracks to the north and east and by Silver Creek to the south. The location of the FDA is presented on Figure 1.2.

RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the FDA. All samples were analyzed for PCBs. Select samples were also analyzed for VOCs, SVOCs, metals, pesticides, and dioxin furans. The Summary of Site Investigations Report, dated December 2000, found that based on the PCB results in the vicinity of the FDA, remedial action should be considered.

REMEDIAL ACTIVITIES

The following remedial actions were undertaken:

- *Relocation of Silver Creek to the South to accommodate the cap and leachate collection system of the FDA*
- *Installation of a leachate collection and discharge system in the former bed of Silver Creek downgradient of the FDA*
- *Installation of a wet well at low point in leachate collection system directing water to the sanitary sewer*

- *Sheetpile wall installation between the FDA and the new Silver Creek bed*
- *Construction of an access manhole in leachate collection system*
- *Placement of excavated Site soils in FDA*
- *Multi-layer cap installation*
- *Gas vent installation*
- *Groundwater monitoring well installation*

AOI-2 - FORMER STORMWATER POND

Prior to 1981, stormwater and non-contact cooling water collected in the Former Stormwater Pond (FSP). The FSP was removed from service and backfilled (i.e., sludge left in place) in 1981. The location of the FSP is presented on Figure 1.2.

RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the FSP Area. All samples were analyzed for PCBs. Select samples were also analyzed for VOCs, SVOCs, metals, and pesticides. The Summary of Site Investigations Report, dated December 2000, found that remedial action should be considered due to PCB results.

REMEDIAL ACTIVITIES

The following remedial actions were undertaken:

- *Multi-layer cap installation over the FSP*
- *Sheetpile wall installation between the FSP and Silver Creek*
- *Gas vent installation*
- *Installation of a leachate collection and discharge system in a trench downgradient of the FSP and upgradient of Silver Creek*
- *Installation of a wet well at low point in the leachate collection system directing water to sanitary sewer*
- *Installation of a leachate collection system metering vault*
- *Groundwater monitoring well installation*

AOI-3 - SILVER CREEK AND TRIBUTARY DITCHES

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek, presented on Figure 1.3, is approximately 7 miles in length, approximately 10 to 15 feet wide in the vicinity of the Site, and up to 2 feet deep during normal conditions.

Five on-Site ditches flow intermittently into Silver Creek. The locations of the ditches are presented on Figure 1.3.

RESULTS OF SITE INVESTIGATION

During the Site investigation, sediment and surface water samples were collected from Silver Creek and its tributary ditches. Select samples were also analyzed for PCBs, general chemistry, VOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that no remedial activity was required.

AOI-4 – SOIL STOCKPILE AREA

The area south of Silver Creek (ASC) is a large undeveloped portion of the Site, bounded by Silver Creek to the north and to the west, the Site boundary to the south, and the Site boundary/railway tracks to the east. The area west of the FDA (AWFD) is another, smaller, undeveloped portion of the Site, bounded to the north by railway tracks, to the east by the west ditch of the FDA, to the south by Silver Creek, and by the Site boundary to the west. Figure 1.2 presents the location of the ASC/AWFD.

RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the ASC/AWFD. All samples were analyzed for PCBs. Select samples were also analyzed for VOCs, SVOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that based on chromium results in the vicinity of the ASC/AWFD only one test pit area must be addressed.

REMEDIAL ACTIVITIES

Approximately 750 tons of chromium impacted soil in the ASC was excavated for off-site disposal. An 8 point composite verification soil sample was collected from the ASC November 18, 2000 to determine that all chromium impacted soil was removed. Figure 2.7.1 presents the locations of the verification sample. A summary of analytical detections are presented in Table 2.7.1. Complete analytical results, including non-detects, are presented in Appendix F. The data validation memo is presented in Appendix B.

AOI-5 - SOUTHWEST AREA

During Phase I investigations of the FDA, PCBs were detected in the Southwest Area. Figure 1.2 presents the location of the Southwest Area.

RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the Southwest Area. All samples were analyzed for PCBs. The Summary of Site Investigations Report, dated December 2000, found that no remedial activity was required. After further consideration, remedial action was initiated in the Southwest Area.

REMEDIAL ACTIVITIES

Approximately 100 cubic yards of soil from the Southwest Area was excavated for disposal in the FDA.

Verification soil samples from the Southwest Area were collected November 1, 2000 to determine that all PCB-impacted soil was removed. Figure 2.8.1 presents the locations of the Southwest Area confirmatory sampling and analysis results. A summary of analytical detections are presented in Table 2.8.1. Complete analytical results, including non-detects, are presented in Appendix G. The data validation is presented in Appendix B.

6.0 AREAS OF INTEREST

The following subsections identify the Areas of Interest (AOIs) to be investigated.

6.1 AOI 1: FORMER DISPOSAL AREA

6.1.1 HISTORICAL OPERATIONS

In the late 1980s, GM discovered that a portion of their property (now owned by RACER), approximately 5 acres in size, was used in the late 1950s and 1960s as a disposal area. Open burning of wastes in the disposal area was a common practice. In addition, fire fighter training exercises were carried out on the northern end of the disposal area. Large pieces of equipment were set on fire by igniting fuels on or around the equipment. Reportedly, paint sludge was once used as a fuel source.

6.1.2 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis. For more information on this investigation, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE which is contained in Appendix D. Based on the Phase I findings, C-EE and GM decided to conduct additional investigations (Phase II) on the FDA, including sampling and analysis. Phase II field activities were conducted by C-EE on August 22 and 23, 1989. For more information on this investigation, refer to the "Site Assessment – Phase II, Former Disposal Area Report" by C-EE which is contained in Appendix E.

CRA conducted a site investigation of the FDA in 1998 and 1999 which included the installation of several soil borings and monitoring wells. Two leachate seeps were also investigated during this time. During the Site investigation, soil and groundwater samples were collected from the FDA. All samples were analyzed for PCBs. Select samples were also analyzed for VOCs, SVOCs, metals, pesticides, and dioxin furans. The Summary of Site Investigations Report, dated December 2000, found that based on the PCB results in the vicinity of the FDA, remedial action should be considered.

The following remedial actions were undertaken:

- Relocation of Silver Creek to the South to accommodate the cap and leachate collection system of the FDA
- Installation of a leachate collection and discharge system in the former bed of Silver Creek downgradient of the FDA
- Installation of a wet well at low point in leachate collection system directing water to the sanitary sewer
- Sheetpile wall installation between the FDA and the new Silver Creek bed
- Construction of an access manhole in leachate collection system
- Placement of excavated Site soils in FDA
- Multi-layer cap installation
- Gas vent installation
- Groundwater monitoring well installation

As-built drawings for the remedial actions are located in Appendix F.

6.1.3 CURRENT STATUS AND RECOMMENDATIONS

The current status of the FDA is operation and maintenance. A multi-layer capping system was installed on the FDA and is visually checked twice a month. Operation and maintenance items include visually checking the FDA vegetative cover, the leachate collection system, and the flow meter.

No further action is recommended for the FDA other than the ongoing operation and maintenance activities.

6.2 AOI 2: FORMER STORMWATER POND

6.2.1 HISTORICAL OPERATIONS

Prior to 1981, stormwater and non-contact cooling water collected in the Former Stormwater Pond (FSP). The FSP was removed from service and backfilled (i.e., sludge left in place) in 1981.

6.2.2 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

CRA conducted a site investigation of the FSP in 1998 and 1999 in which soil and groundwater samples were collected from the FSP Area. All samples were analyzed for PCBs. Select samples were also analyzed for VOCs, SVOCs, metals, and pesticides. The Summary of Site Investigations Report, dated December 2000, found that remedial action should be considered due to PCB results.

The following remedial actions were undertaken:

- Multi-layer cap installation over the FSP
- Sheetpile wall installation between the FSP and Silver Creek
- Gas vent installation
- Installation of a leachate collection and discharge system in a trench downgradient of the FSP and upgradient of Silver Creek
- Installation of a wet well at low point in the leachate collection system directing water to sanitary sewer
- Installation of a leachate collection system metering vault
- Groundwater monitoring well installation

As-built drawings for the remedial actions are located in Appendix F.

6.2.3 CURRENT STATUS AND RECOMMENDATIONS

The current status of the FSP is operation and maintenance. A multi-layer capping system was installed on the FSP and is visually checked twice a month. Operation and maintenance items include visually checking the FDA vegetative cover, the leachate collection system, and the flow meter.

No further action is recommended for the FSP other than the ongoing operation and maintenance activities.

6.3 AOI 3: SILVER CREEK AND TRIBUTARY DITCHES

6.3.1 HISTORICAL OPERATIONS

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek is approximately 7 miles in length, approximately 10 to 15 feet wide in the vicinity of the Site, and up to 2 feet deep during normal conditions.

Five on-Site ditches flow intermittently into Silver Creek. Ditch A is located along the western and northern boundary of the FDA, is approximately 900 feet in length, and flows south into Silver Creek. Ditch B is located directly south of the railway tracks along the eastern boundary of the FDA, is approximately 500 feet long and flows southeasterly into Silver Creek. Ditch C is located north of Silver Creek between the eastern property boundary of the Site and the FSP. Ditch C is approximately 1,300 feet in total length and flows south into Silver Creek. Ditch D is located near the eastern boundary of the Site, is approximately 500 feet in length, and flows north into Silver Creek. Ditch E is located south of Silver Creek near the southern property boundary, is approximately 300 feet in length, and flows east into the Ketchum Ditch. The Ketchum ditch flows northeast and enters Silver Creek.

6.3.2 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of Silver Creek and its tributary ditches.

CRA conducted a site investigation of Silver Creek and tributary ditches in 1998 and 1999 in which sediment and surface water samples were collected from Silver Creek and its tributary ditches. Samples were analyzed for PCBs, general chemistry, VOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that no remedial activity was required.

6.3.3 CURRENT STATUS AND RECOMMENDATIONS

No further action is required for Silver Creek and tributary ditches.

6.4 AOI 4: SOIL STOCKPILE

In 2007 GM constructed a building addition to the former Plant 2. The stockpiled soil came from final grading around the building addition. The soil was intended to be used as fill for the City of Toledo's construction of a new roadway connecting Laskey and Hydramatic Drive (to provide an access route to landlocked parcels owned by the Toledo Port Authority). However, the City roadway project was never completed. The soil stockpile was primarily clean-fill brought on-site by the contractor mixed with some soil formerly underlying a parking lot in the extreme eastern edge along the east side of the property. The approximate location of the soil stockpile is presented on Figure 6.1.

6.4.1 HISTORICAL OPERATIONS

This area was unused prior to the placement of the soil stockpile. The area was covered with dense vegetation.

6.4.2 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

In 1998, CRA conducted an investigation of the Area South of Silver Creek and West of the Former Disposal Area. During this investigation numerous test pits, boreholes, and hand augers were installed in this area. One test pit was remediated due to levels of chromium.

6.4.3 CURRENT STATUS AND RECOMMENDATIONS

The soil stockpile remains at the site. It is believed that the material in the soil stockpile is non-hazardous and can be reused as backfill on other project sites. A work plan has been submitted to U.S. EPA for sampling and analysis of the contents of the soil stockpile. The approved work plan was implemented in December 2011 and results from this investigation are expected in early 2012.

6.5 AOI 5: SOUTHWEST CORNER

Based upon review of the previous investigations in the Southwest Area further delineation of PCBs is required. Three areas remain in the Southwest Area that exceed the Residential U.S. EPA Region 9 PRG of 1.1 mg/kg for total PCBs.

6.5.1 HISTORICAL OPERATIONS

This area is an unused portion of the site with mature trees and dense vegetation. However, historical topographic maps show that some filling of this area did occur.

6.5.2 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of the Southwest Area. For more information on this investigation, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE which is contained in Appendix D.

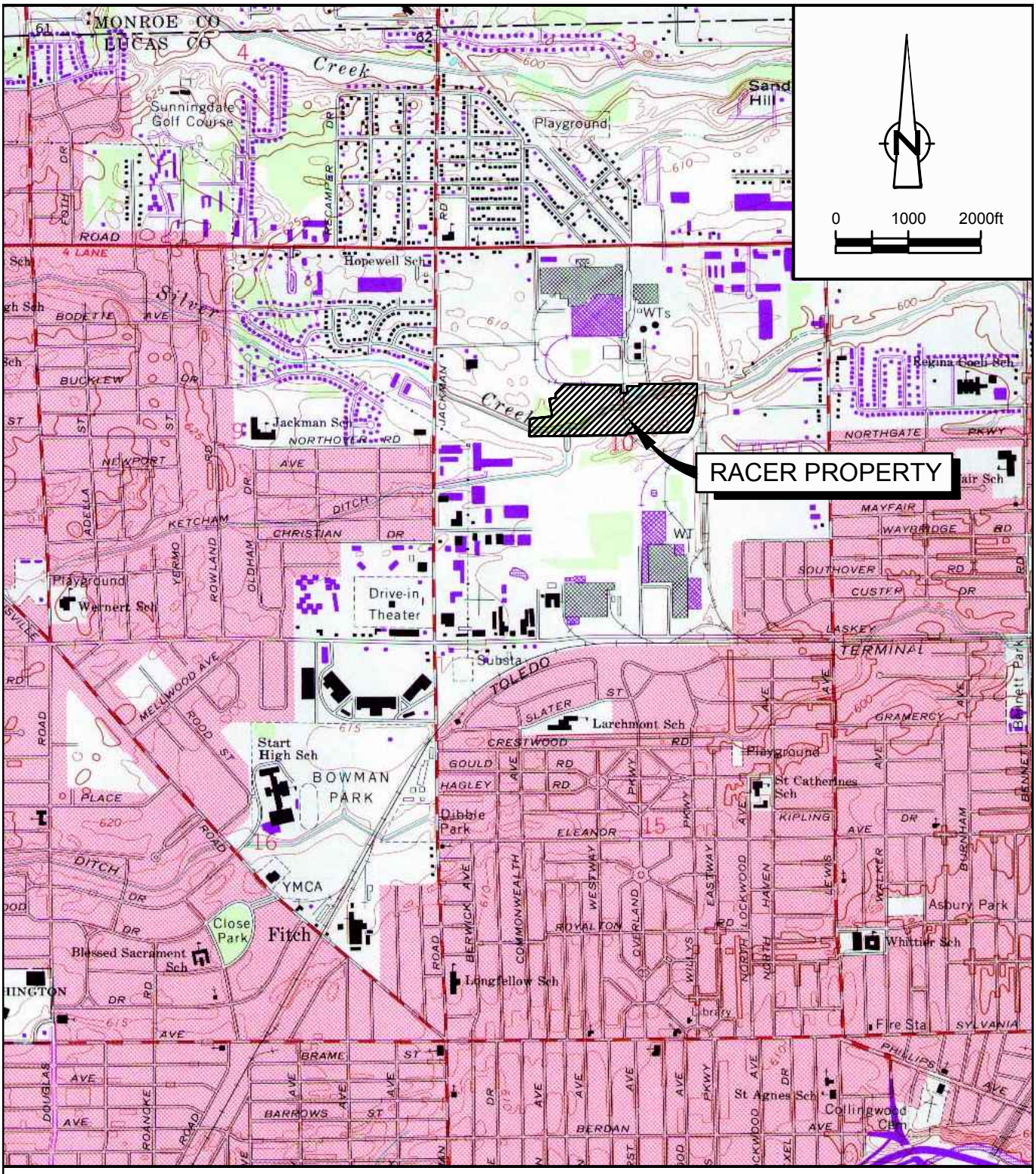
In July 1990, C-EE conducted an additional investigation of the FDA. For more information on this investigation, refer to the "Site Assessment – Phase II, Former Disposal Area Report" by C-EE which is contained in Appendix E.

In 2000 CRA advanced several boreholes and hand augers in the Southwest Area. Initially, no remedial actions were considered. For more information on this investigation, refer to the "Draft Summary of Site Investigation (May 1997 to December 2000)" by CRA contained in Appendix B.

However, after further consideration, remedial activities were conducted. Approximately, 100 cubic yards of material was excavated from the Southwest Area and placed in the Former Disposal Area. For more information on the remedial actions undertaken, refer to the "Draft Confirmatory Investigation Report" by CRA which is contained in Appendix C.

6.5.3 CURRENT STATUS AND RECOMMENDATIONS

A work plan has been submitted to U.S. EPA for sampling and analysis of the Southwest Area. The approved work plan was implemented in December 2011 and results from this investigation are expected in early 2012. Four historical sample locations were located onsite using a handheld GPS device and survey data available in the database for this site. TP-B2-00, BH239-00, HA-8, and BS-1-89 were located due historical PCB values. Four soil borings were placed around TP-B2-00, four soil borings were placed around BS-1-89/HA-8, and three soil borings will be placed around BH239-00. The historical PCB results in the Southwest Corner indicate that only the top four feet of soil needs to be investigated. Therefore, soil samples were collected from the uppermost four feet in this area and analyzed for PCBs. The approximate location of the Southwest Area is presented on Figure 6.2.



SOURCE: USGS QUADRANGLE MAP:
TOLEDO, OHIO-MICHIGAN

figure 1.1

SITE LOCATION
RACER SITE 1099, TOLEDO 103C LANDFILL
Toledo, Ohio

012609-T02(027)GN-DE001 DEC 28/2011

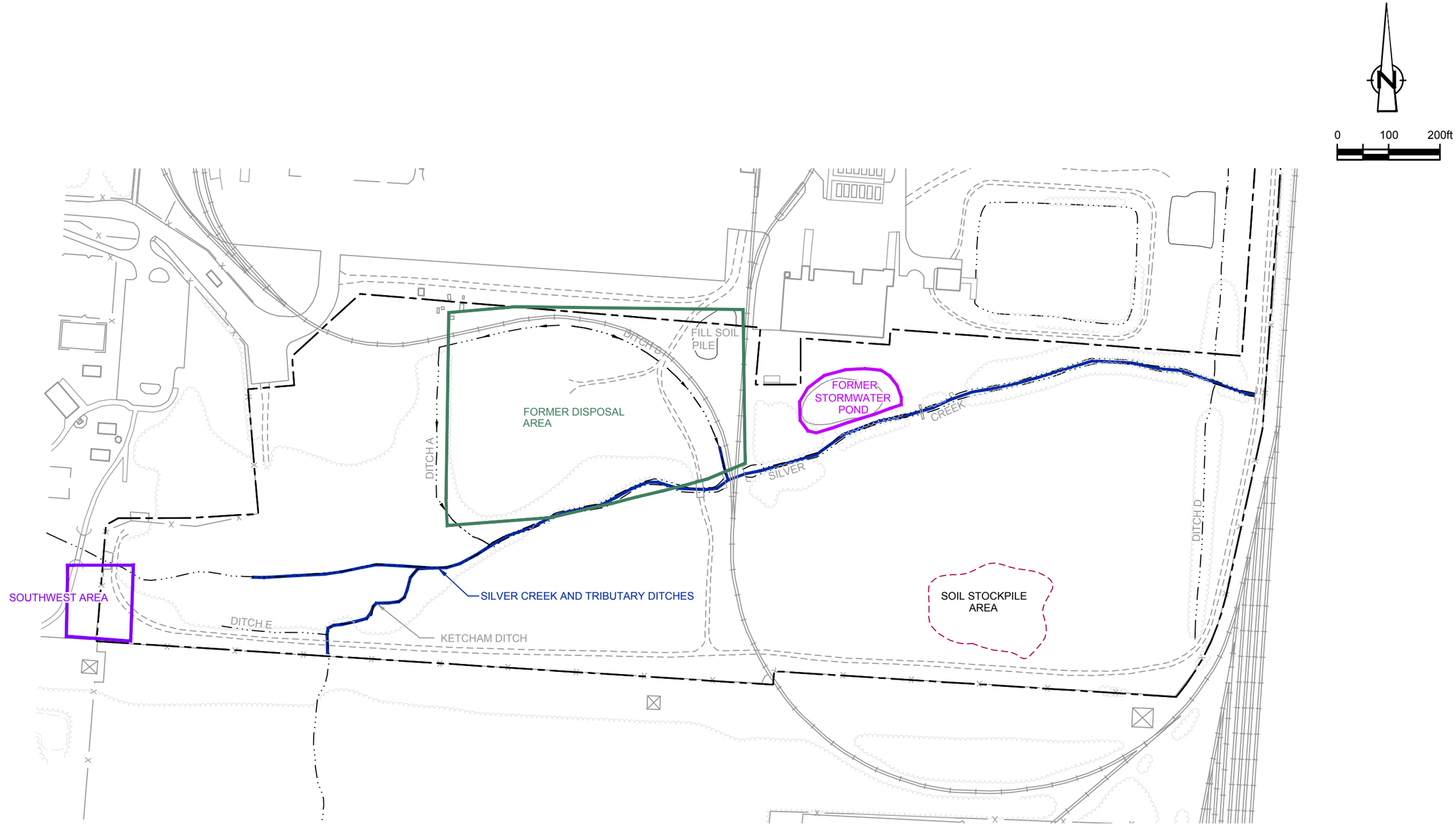


figure 2.1

SITE LAYOUT
AREAS OF INTEREST
RACER PROPERTY
Toledo, Ohio

012609-T02(027)GN-DE002 DEC 28/2011

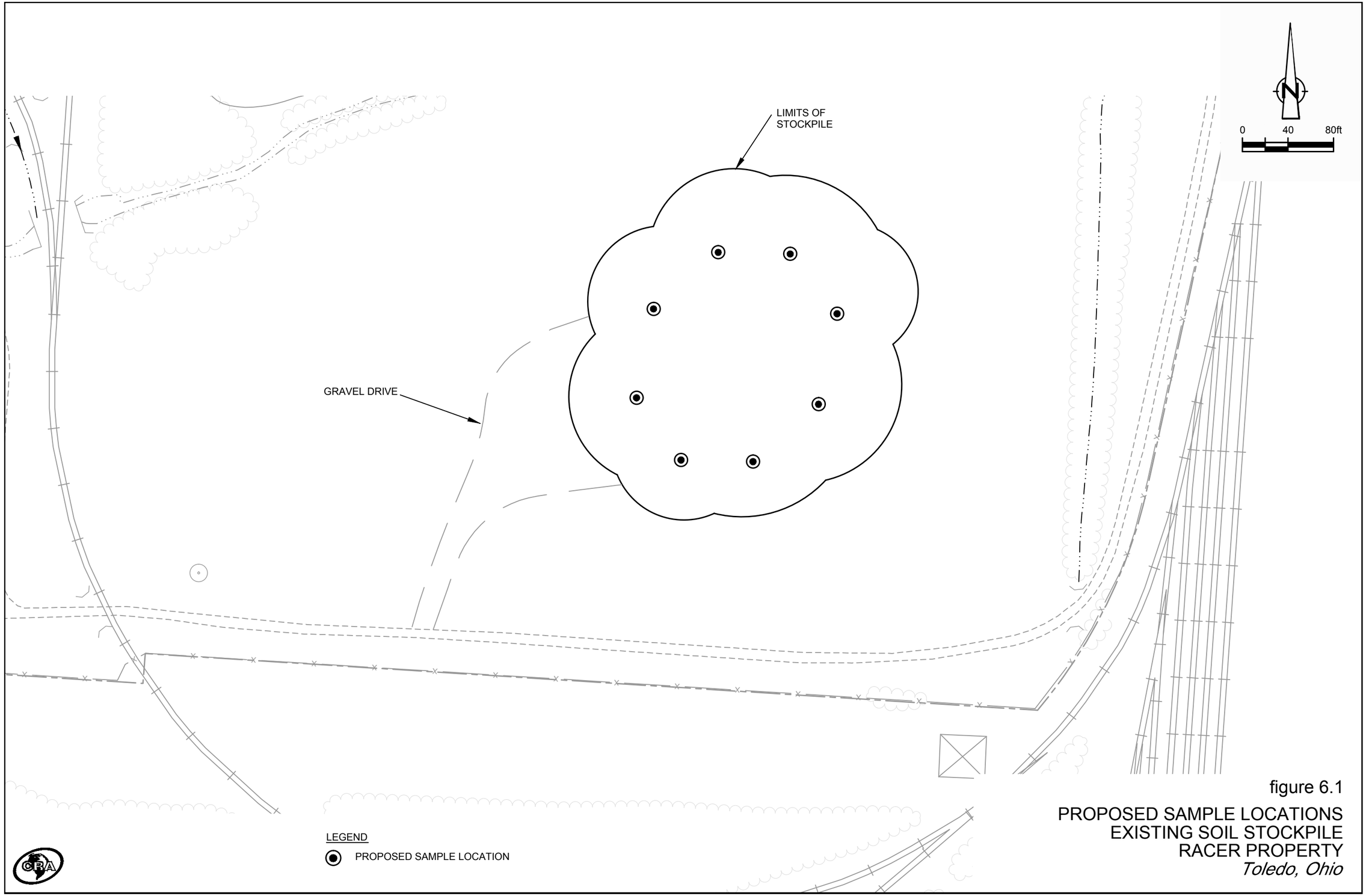


figure 6.1

PROPOSED SAMPLE LOCATIONS
EXISTING SOIL STOCKPILE
RACER PROPERTY
Toledo, Ohio

012609-T02(027)GN-DE003 DEC 28/2011

0 20 40ft

BH243-00
BH244-00
BH245-00
BH247-00
BH246-00
HA-001-00
BH239-00
TP-B2-00
HA-003-00
HA-002-00
BH240-00
BH241-00
TP-A1-00
TP-B1-00
154
152
HA-004-00
155
153
BS-1-89
S-1
HA-8
151
BH242-00
HA-7
HA-005-00

LEGEND

BH173-00	BOREHOLE / SOIL SAMPLE LOCATION
HA-7	HAND AUGER
152	HAND AUGER SAMPLE LOCATION
HA-004-00	HAND AUGER SAMPLE LOCATION (Sept 20-00)
TP-J3-00	TEST PIT
	PROPOSED SOIL BORING LOCATION
	AREA EXCAVATED TO 4 FEET BGS SAMPLES 151 - 155 ARE CONFIRMATORY SAMPLES COLLECTED FOLLOWING EXCAVATION

figure 6.2

PROPOSED SOIL BORING LOCATIONS
SW CORNER
RACER PROPERTY
Toledo, Ohio

012609-T02(027)GN-DE004 DEC 28/2011

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 30 2011

REPLY TO THE ATTENTION OF:
LU-9J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Jeffrey Kehne
Hill & Kehne, LLC
2300 Wisconsin Avenue, NW, Suite 300
Washington, DC 20007

Re: Executed Performance–based Voluntary Agreement
Toledo Landfill, 1455 West Alexis Road, Toledo, OH
OHD 005 041 371

Dear Mr. Kehne:

I am enclosing a fully executed copy of the Performance–based Voluntary Agreement (PVA) covering the corrective action for past releases of hazardous contaminants from the subject facility. This Performance-based Agreement will provide the flexibility that you need to complete the work expeditiously. In addition, we expect that it will lead to better communication between our two organizations and the public. We look forward to working cooperatively with you and your staff on this project.

In accordance with Section IV of the agreement, I am hereby designating Peter Ramanauskas as the U.S. EPA project manager for this project. If you have any questions, please contact him at (312) 886-7890 or ramanauskas.peter@epa.gov.

Sincerely yours,

Jose G. Cisneros, Chief
Remediation and Reuse Branch
Land and Chemicals Division

Enclosure

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

Performance Based Corrective Action Agreement Between The United States Environmental Protection Agency and Revitalizing Auto Communities Environmental Response Trust

I. Purpose

The United States Environmental Protection Agency ("U.S. EPA") and Revitalizing Auto Communities Environmental Response Trust ("RACER"), each separately a Party and collectively referred to as the Parties, establish this Agreement to enable RACER to work to investigate, and as necessary, stabilize and remediate releases of hazardous wastes or hazardous constituents at or from the Toledo 103C Landfill (the "Site") that may present an unacceptable risk to human health or the environment. RACER's actions with respect to the Site are subject to the terms, provisions and limitations set forth in the Environmental Response Trust Consent Decree and Settlement Agreement Among Debtors, the Environmental Response Trust Administrative Trustee, the United States, [fourteen States] and the Saint Regis Mohawk Tribe, Case No. 09-50026 (REG) in the United States Bankruptcy Court for the Southern District of New York ("Consent Decree"). The Parties believe that RACER will appropriately, efficiently and effectively investigate and, as necessary, remediate the Site on an accelerated basis by following the procedures and guidelines in this Agreement. This Agreement will have fulfilled its purpose and will terminate upon written acknowledgment by U.S. EPA that RACER has completed its corrective action obligations under RCRA at the Site.

II. Background

The Former General Motors Power Train ("GMPT") Toledo 103C Landfill is located at 1455 West Alexis Road on a portion of the 186-acre GMPT Toledo plant property in Toledo, Ohio. The Site consists of approximately 45 acres of plant property south of the main manufacturing buildings. There are currently no structures on the Site. The Site contains a 5-acre Former Disposal Area ("FDA"), a Former Stormwater Pond ("FSP"), a Soil Stockpile Area, the Southwest Area, and the Area South of Silver Creek/Area West of Former Disposal Area. The Site is covered with trees and vegetation. Silver Creek passes through the Site. Silver Creek is designated as warm water habitat that may have various uses, including primary contact recreational use. Groundwater seepage has been observed along Silver Creek in several places.

U.S. EPA and RACER expect that RACER will investigate, and as necessary remediate, all releases of hazardous wastes or constituents at or from the Site under the guidelines established in this Agreement and subject to the terms, provisions and limitation set forth in the Consent Decree.

III. Definitions

Unless otherwise specified herein, terms used in this Agreement which are defined in RCRA, 42 U.S.C. §§ 6901-6922k, or in regulations promulgated under RCRA will have the definitions given to them in RCRA or in such regulations.

IV. Project Manager

U.S. EPA and RACER will each designate a Project Manager and notify each other in writing of the Project Manager selected within 14 days of the effective date of this Agreement. Each Project Manager will be responsible for overseeing the implementation of this Agreement. Whenever a Party changes Project Managers it will provide prompt written notice to the other Party.

V. Work to be Performed

RACER agrees to perform the actions specified in this section, in the manner and by the dates specified herein subject to the terms, provisions and limitations set forth in the Consent Decree. In the case of a conflict between this Agreement and the Consent Decree, the Consent Decree controls.

As contemplated by the Consent Decree, RACER may request and U.S. EPA may approve, in its sole discretion, changes to the RCRA facility boundary to allow portions of the Site to be redeveloped. U.S. EPA may approve such an adjustment based on factors including but not limited to: (i) information on historical uses and environmental data demonstrating that the portion of the Site proposed for sale or redevelopment was never used for any regulated activity or that no contamination is present on the portion of the Site to be released for sale or redevelopment; (ii) successful completion of the required remedy for contamination found on the portion of the Site to be released for sale or redevelopment; and (iii) approval of closure with restrictions or closure without restrictions for the portion of the Site to be released for sale or redevelopment.

RACER will perform the work undertaken pursuant to this Agreement in compliance with RCRA and other applicable Federal and State laws and their implementing regulations, and consistent with all relevant U.S. EPA guidance documents as appropriate to the Site. This guidance includes, but is not limited to, the Documentation of Environmental Indicator Determination Guidance and relevant portions of the Model Scopes of Work for RCRA Corrective Action and of U.S. EPA's Risk Assessment Guidance for Superfund.

1. RACER will complete activities necessary to identify and define the nature and extent of releases of hazardous waste and/or hazardous constituents at or from the Site. These activities include without limitation:

    a. To the extent not already completed or otherwise determined by U.S. EPA to be unnecessary, provide to U.S. EPA, within 60 days of the effective date of this Agreement a brief Site History and Current Conditions Report ("Report") covering all areas of the Site. The Report will include any recent sampling data from the Site and a summary of the historic operations and physical setting of the area of the Site. The Report will describe conditions at any past or present locations at the Site for which RACER knows there was past treatment, storage, or disposal of hazardous waste or hazardous constituents. The report will also describe the nature and extent of any releases of hazardous waste and/or hazardous constituents at or from the Site which do not pose an unacceptable risk to human health or the environment, and provide the basis for those conclusions, including an evaluation of the risks. The report may be prepared in phases to provide timely support for the determinations and proposal described in Section V.2,

below. RACER will provide completed Environmental Indicator forms as part of the Current Conditions Report to document control of all current human exposures and migration of contaminated groundwater from the Site.

b. To the extent not already completed or otherwise determined by U.S. EPA to be unnecessary, perform an investigation to identify the nature and extent of any releases of hazardous waste and/or hazardous constituents at or from the Soil Stockpile Area and the Southwest Area of the Site which may pose an unacceptable risk to human health or the environment, and provide a report to U.S. EPA.

c. In order to prepare for and provide the demonstrations required by Sections V.1.a and V.1.b., above, RACER will:

   i. Determine appropriate risk screening criteria under current use scenarios and provide the basis and justification for the use of these criteria.

   ii. Determine any current unacceptable risks to human health and the environment and describe why other identified risks are acceptable.

   iii. Control any unacceptable current human exposures that are identified. This may include performing any corrective actions or other response measures ("Corrective Measures") necessary to control current human exposures to contamination to within acceptable risk levels.

   iv. Stabilize the migration of contaminated groundwater. This may include implementing any Corrective Measures necessary to stabilize the migration of contaminated groundwater.

   v. Conduct groundwater monitoring to confirm that any contaminated groundwater remains within the original area of contamination.

   vi. Prepare a report, either prior to or as part of the Current Conditions Report, that provides a description and justification for any interim actions performed to meet the requirements of this Section, including sampling documentation, construction completion documentation and/or confirmatory sampling results.

d. RACER may choose to proceed with remedial actions to limit site investigation or risk assessment activities in order to complete the work as defined in Section V.2 below.

2. Final Corrective Measures:

   a. RACER will propose to U.S. EPA final Corrective Measures necessary to protect human health and the environment from all current and future unacceptable risks due to releases of hazardous waste or hazardous constituents at or from the Site (the "Final Corrective Measures Proposal"). The proposal will describe all Corrective Measures implemented at the Site since the effective date of this Agreement. It will also include a description of all other final Corrective Measures evaluated by RACER, a detailed explanation of why the proposed final Corrective Measures were preferred by RACER, and cost estimates for the

final Corrective Measures evaluated. The proposal will also include a detailed schedule to construct and implement the final Corrective Measures, and to submit a Final Remedy Construction Completion Report. This schedule will provide that as much of the initial construction work as practicable will be completed within one year after U.S. EPA selects the final Corrective Measures and that all final Corrective Measures will be completed within a reasonable period of time to protect human health and the environment.

b. As part of developing its proposals, RACER must propose appropriate risk screening criteria, cleanup objectives, and points of compliance under current and reasonably expected future land use scenarios and provide the basis and justification for these decisions.

c. U.S. EPA and RACER recognize that there may not be enough information available at this time to estimate a date for selection of Corrective Measures or implementation of Corrective Measures. Therefore, upon completion of RACER's Corrective Measures Proposal, a timeline for the selection of Corrective Measures and implementation of the selected Corrective Measures will be mutually agreed upon.

d. U.S. EPA may request supplemental information from RACER if it determines that the proposals and supporting information do not provide an adequate basis to select final Corrective Measures that will protect human health and the environment from the release of hazardous waste or hazardous constituents at or from the Site.

e. U.S. EPA will provide the public with an opportunity to review and comment on its proposed final Corrective Measures, including a detailed description and justification for the proposals (the "Statement of Basis"). Following the public comment period, U.S. EPA will select the final Corrective Measures and provide notification of its decision and rationale in a Final Decision and Response to Comments ("Final Decision").

f. Subject to the terms, provisions and limitations of the Consent Decree, RACER will implement the final Corrective Measures selected in the U.S. EPA's Final Decision according to the schedule therein and subject to the terms, provisions and limitation set forth in the Consent Decree.

3. Reporting and other requirements:

a. RACER will maintain a publicly accessible repository for information regarding Site activities and conduct public outreach and involvement activities, consistent with the RCRA Public Participation Manual, as appropriate for the Site and as directed and in consultation with U.S. EPA.

b. RACER will provide annual progress reports to U.S. EPA by the 15th day of the month following the effective date of this Agreement. The report will list work performed to date, data collected, problems encountered, project schedule, and percent project completed.

c. The Parties will communicate frequently and in good faith to assure successful completion of the requirements of this Agreement, and will meet on at least a semi-annual basis to discuss the work proposed and performed under this Agreement.

d. RACER will provide a Final Remedy Construction Completion Report documenting all work that it has performed pursuant to the schedule in U.S. EPA's Final Decision.

e. If ongoing monitoring or operation and maintenance are required after construction of the selected final Corrective Measures, RACER will include an operations and maintenance plan in the Final Remedy Construction Completion Report. RACER will revise and resubmit the Report in response to U.S. EPA's written comments, if any, by the dates U.S. EPA specifies. Upon U.S. EPA's written approval, RACER will implement the approved operation and maintenance plan according to the schedule and provisions contained therein.

f. Any risk assessments conducted by RACER must estimate human health and ecological risk under reasonable maximum exposure for both current and reasonably expected future land use scenarios. Risk assessments will be conducted in accordance with the Risk Assessment Guidance for Superfund ("RAGS") or other appropriate U.S. EPA guidance. RACER will use appropriate, conservative screening values when screening to determine whether further investigation is required. Appropriate screening values may include those derived from Federal Maximum Contaminant Levels, U.S. EPA Region 9 Preliminary Remediation Goals, U.S. EPA Region 5 Ecological Screening Levels, U.S. EPA Region 5 Risk Based Screening Levels, U.S. EPA Region 3 Risk Based Concentration Table, RAGS or appropriate Ohio EPA Cleanup Criteria.

g. All sampling and analysis conducted under this Agreement will be performed in accordance with the Region 5 RCRA Quality Assurance Project Plan Policy (April 1998) as appropriate for the site, and be sufficient to identify and characterize the nature and extent of all releases. U.S. EPA may audit laboratories selected by RACER or require RACER to purchase and have analyzed any Performance Evaluation ("PE") samples selected by U.S. EPA which are compounds of concern. RACER will notify U.S. EPA in writing at least 14 days before beginning each separate phase of field work performed under this Agreement. At the request of U.S. EPA, RACER will provide or allow U.S. EPA or its authorized representative to take split or duplicate samples of all samples collected by RACER under this Agreement.

h. Upon reasonable notice, and at reasonable times, U.S. EPA, its contractors, employees, and any designated U.S. EPA representatives may enter the Site to review RACER's progress in carrying out the terms of this Agreement; conduct tests, sampling, or monitoring as U.S. EPA deems necessary; and verify the reports and data RACER submits to U.S. EPA. RACER will permit such persons to inspect and copy all non-privileged photographs and documents, including all sampling and monitoring data, that pertain to work undertaken under this Agreement and that are within the possession or under the control of RACER or its contractors or consultants. RACER may request split samples taken by U.S. EPA. If RACER must go beyond the Site's boundary to perform work required by this Agreement, RACER will use reasonable efforts to obtain the necessary access agreements from the present owner(s) of such property within 30 days

after RACER knows of the need for access. Any such access agreement must provide for access by U.S. EPA and its representatives. RACER will submit a copy of any access agreement to U.S. EPA's Project Manager. If it does not obtain agreements for access within 60 days, RACER will notify U.S. EPA in writing within 14 additional days of both the efforts undertaken to obtain access and the failure to obtain access agreements. U.S. EPA may, at its discretion, assist RACER in obtaining access.

VI. Record Preservation

RACER will retain, during the pendency of this Agreement all data and all final documents now in its possession or control or which come into its possession or control which relate to this Agreement. RACER will notify U.S. EPA in writing 90 days before destroying any such records, and provide U.S. EPA the opportunity to take possession of any such non-privileged documents. RACER's notice will refer to the effective date, caption, and docket number of this Agreement and will be addressed to:

Director
Land and Chemicals Division
U.S. EPA, Region 5
77 W. Jackson Blvd.
Chicago, IL 60604-3590

RACER will also promptly provide U.S. EPA's Project Manager a copy of any such notice.

RACER further agrees that within 30 days of retaining or employing any agent, consultant, or contractor ("Agents") to carry out the terms of this Agreement, RACER will enter into an agreement with the Agents to provide RACER a copy of all data and final non-privileged documents produced under the Agreement.

RACER agrees that it will not assert any privilege claim concerning any data developed to prepare any reports or conduct any investigations or other actions taken under the Agreement.

VII. Modification, Termination and Satisfaction.

This Agreement may be modified by written, mutual agreement of the Parties. The Project Managers may agree in writing to extend any deadline in this Agreement. Any change to the Remediation Cost Estimate Scope of Work prepared for the Site in the annual cleanup budget process set out in the Consent Decree that has been approved by U.S. EPA, and/or the current budget for the Site that has been approved by U.S. EPA shall be considered a modification to this agreement that has been approved by the Parties and will be effective on the date of U.S. EPA's approval of the Remediation Cost Estimate Scope of Work and/or current budget.

Either Party may unilaterally terminate this Agreement upon written notice to the other Party.

RACER may request that U.S. EPA issue a determination that RACER has met the corrective action cleanup objectives for the Site or a portion of the Site. RACER will submit documentation that it has achieved the objectives and U.S. EPA will respond in writing indicating whether RACER has completed RCRA corrective action. If U.S. EPA agrees that a RCRA corrective action is complete, it will issue a "No Further Action" determination for all or a portion of the Site.

The provisions of the Agreement will be satisfied upon RACER's and U.S. EPA's execution of an "Acknowledgment of Termination and Agreement on Record Preservation and Reservation of Rights" ("Acknowledgement"). RACER's execution of the Acknowledgment will affirm its continuing obligation to maintain any necessary institutional controls or other long terms measures, and to recognize the Parties' reservation of rights as required in Section VIII.

VIII. Reservation of Rights

The Parties reserve any and all rights, remedies, authorities or defenses that they respectively have under law. Nothing in this Agreement limits or affects the authority or ability of either Party to take any action authorized by law. Nothing in this Agreement creates any legal rights, claims or defenses in either Party or by or for any third Party. Nothing in this Agreement relieves RACER from complying with applicable federal, state and local laws.

This Agreement does not limit or affect the rights of the Parties against any Third Party, nor does it limit the rights of Third Parties. The Parties agree that this Agreement does not constitute any decision on preauthorization of funds under §111(a)(2) of CERCLA.

IX. Effective Date

This Agreement is effective on the date the last Party signs.

IT IS SO AGREED:

DATE: 9/29/11

BY: _____
Margaret Guerriero, Director
Land and Chemicals Division
U.S. Environmental Protection Agency
Region 5

DATE: 9/21/11

REVITALIZING AUTO COMMUNITIES
ENVIRONMENTAL RESPONSE TRUST

BY: _____
Michael O. Hill
Chief Operating Officer and General Counsel

SUMMARY OF SITE INVESTIGATIONS (MAY 1997 TO DECEMBER 2000)

REALM PROPERTY AND GENERAL MOTORS PROPERTY TOLEDO, OHIO

Prepared by:
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DECEMBER 2000
REF. NO. 12609 (19)

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1.0 INTRODUCTION

1.1 GENERAL

The purpose of this report is to present all of the data collected by Conestoga-Rovers & Associates (CRA) during Site investigations between May 1997 and December 2000. Investigations were conducted to evaluate the extent of contamination in selected areas of interest (AOI) at the General Motors (GM) Powertrain Group – Toledo Plant located at 1455 West Alexis Road, in Toledo, Ohio. The plant location is presented on Figure 1.1. The plant is located on approximately 186 acres including 33 acres of REALM property. The study area (Site) consists of approximately 45 acres (33 acres of REALM property and 18 acres of GM property) of plant property south of the main manufacturing buildings. The Site includes the areas adjacent to Silver Creek and its tributaries. The Site plan is presented on Figure 1.2 and Figure 1.3.

1.2 SITE BACKGROUND

The United States government originally built the plant in 1941. GM acquired the plant in 1956. Areas of the Site appear to have been disturbed prior to GM's ownership. Certain areas of the Site have been filled over time.

The Site has been separated into investigative areas. Figure 1.2 presents the REALM property boundary, and the AOIs.

2.0 ENVIRONMENTAL SETTING

This section describes the climate, hydrology, topography, geology, and hydrogeology in the vicinity of the Site.

2.1 CLIMATE

The normal monthly temperature in Toledo, Ohio varies from an average low of 23.1 degrees Fahrenheit in January to an average high of 71.8 degrees Fahrenheit in July, with an average annual temperature of 48.5 degrees Fahrenheit. The average monthly precipitation varies from a low of 1.8 inches in February to a high of 3.5 inches in June, with an average annual precipitation of 31.2 inches.

2.2 HYDROLOGY

The Site is located in the Halfway Creek drainage Basin that flows into Lake Erie. Silver Creek passes through the southern section of the Site (Figure 1.3) and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek is approximately 7 miles in length. On an 1899 topographic map, Silver Creek is shown flowing directly into Lake Erie; however, by the mid-1930s it was rerouted downstream of the Site, and now flows into Halfway Creek, and then into Lake Erie. In the vicinity of the Site, Silver Creek is approximately 10 to 15 feet wide and up to 2 feet deep during normal conditions. The Ohio Environmental Protection Agency (Ohio EPA) has designated Silver Creek as a warm water habitat that may potentially be used for agricultural or industrial water supply usage, and for primary contact recreational usage. Silver Creek is not gauged; therefore, no historical flow data is available. Groundwater seepage has been observed along the side banks of Silver Creek in several locations.

Five on-Site ditches flow intermittently into Silver Creek. The locations of the ditches are presented on Figure 1.3. Ditch A and Ditch B are located along the west side and east side of the Former Disposal Area (FDA), respectively. Ditch C and Ditch D are located on the east side of the property, while Ditch E is located at the south end of the property.

The majority of the Site, including the ditches and former holding pond, are located within the 100-year flood plain of Silver Creek. The FDA and the Existing Stormwater Pond (ESP) are in areas of minimal flooding between the limits of the 100-year and 500-year floods (National Flood Insurance Program, June 4, 1980). The flood map is presented on Figure 2.1.

2.3 TOPOGRAPHY

Site topographic contours range from 596 to 610 feet above mean sea level (AMSL). The dominant Site topographic features include Silver Creek, which runs west to east through the Site, and its tributary ditches. Other prominent features include the FDA.

Topographic contours have been identified from an aerial survey conducted on November 24, 1997 and presented on Figure 2.2. Historical topography of the Site is presented on Figures 2.3 through 2.6. Historical aerial photographs are presented in Appendix A. Cut and fill isopachs illustrating the extent of filling at the Site are presented on Figures 2.7 through 2.9. The cut and fill isopachs indicated that approximately 7,800 cubic yards of fill were placed between 1934 and 1965, approximately 27,600 cubic yards of fill were placed between 1965 and 1974, and approximately 22,700 cubic yards of fill were placed between 1974 and 1986 across the Site. The fill volumes are approximate and are considered accurate to within plus or minus 15 percent.

2.4 REGIONAL GEOLOGY AND HYDROGEOLOGY

The regional geology is characterized by approximately 50 to 80 feet of unconsolidated glacial drift overlying Silurian-age dolomites and evaporites.

The soils in the vicinity of the Site are generally classified as Bixler-Dixboro association soils. These are nearly level or gently sloping, somewhat poorly drained soils that formed in loamy and sandy glacial lake sediment. These soils have moderate permeability.

2.5 LOCAL GEOLOGY AND HYDROGEOLOGY

Based on the inspection of the soil samples collected during previous Site drilling activities, geologic materials at the Site consist of clayey and silty sands to a depth approximately 5 to 10 feet. From 5 to 32 feet, silty clay till was encountered. Underlying the clay till is a groundwater-yielding zone of fairly well sorted medium and fine sands. The shallow clayey and silty sands appear to be hydraulically isolated from the lower medium and fine sands by the clay till. The shallow saturated zone appears to be 0 to less than 7 feet thick and may represent a perched water-bearing zone. The shallow

groundwater generally flows towards Silver Creek and likely discharges to Silver Creek during most of the year. Figures 2.10 through 2.12 present cross-sections of the Site. Figure 2.13 shows typical high groundwater and surface water elevations at the Site measured on March 6, 1998. Figure 2.14 shows typical low groundwater and surface water elevations at the Site measured on October 14, 1999. Table 2.1 presents all the monitoring well details and groundwater elevations measured at the Site, since January 25, 1989.

3.0 AREAS OF INTEREST

3.1 FORMER 300,000-GALLON TANK/AST OVERFLOW AREA

3.1.1 DESCRIPTION OF AREA

Until 1962, oily waste from the plant was collected in a large, open-top storage tank located south of plant #2. The storage tank had a capacity of 300,000 gallons. On February 19, 1962, the tank overflowed due to an exceptionally heavy discharge of water into the oily waste holding tank. Water and floating oil flowed over the top of the tank and flowed over the ground, in an easterly direction towards Ditch C, then south in Ditch C and into Silver Creek. The pathway, which the oil flowed to reach Silver Creek is outlined on Figure 3.1.1. This area is referred to as the Former 300,000 Gallon Aboveground Storage Tank (AST) Overflow Area. Figure 1.2 presents the location of the former 300,000 gallon AST overflow area. *(Ref: 1)*

3.1.2 SOIL INVESTIGATIONS

Soil & Material Engineers Inc. (SME) performed investigations prior to 1988, on the former 300,000 gallon AST Overflow Area. Soil samples were collected at various locations in 1985. PCBs were reported in soil samples at concentrations ranging from <1 mg/kg to 97 mg/kg. For more information on this previous investigation refer to report entitled "General Motors Corporation, Wastewater Holding Tank Closure, Hydra-matic Toledo Facility, November 26, 1985" by SME.

In 2000, 38 locations were investigated in the former 300,000-gallon AST overflow area (BH171-00 through BH178-00, BH-179-00 through BH195-00). These samples were collected using geoprobes, and were grouped, for composite sample purposes. The groupings are presented on Figure 3.1.2. Nine additional geoprobes were then advanced in the former 300,000 gallon AST overflow area (BH208-00 through BH216-00 with BH213-00 not being sampled), and four more geoprobes were advanced west of the former 300,000 gallon AST overflow area (BH248-00, BH249-00 through BH251-00). The locations of the soil samples are presented on Figure 3.1.2, and the borehole logs are presented in Appendix B. Table 3.1.1 presents the depths and the parameters which samples were collected at and analyzed for, respectively. The detections of any analyzed soil parameters are presented on Figure 3.1.3 and in Table 3.1.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 13, 14, and 15)*

3.1.3 SEDIMENT INVESTIGATIONS

In 2000, 11 sediment samples were collected in the former 300,000-gallon tank / AST overflow area. The initial eight sediment samples were collected from the length of the Ditch C, at approximately 100-foot intervals (SED6-00 through SED13-00). Three more sediment samples were then collected, SED17-00 and SED18-00 were collected from Ditch C, and SED19-00 was collected from a catchbasin northeast of Ditch C. Table 3.1.1 presents the parameters which samples were analyzed for following criterion. The locations of the sediment samples are presented on Figure 3.1.2. The detections of any analyzed parameters are presented on Figure 3.1.3 and in Table 3.1.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 13 and 14)*

3.1.4 REMEDIAL ACTIVITIES

Following the 1985 investigation, 62 tons of soil (containing levels of PCBs over 50 ppm) was removed on June 18, 1986 from three areas of contamination found within the waste holding tank dike, for off-Site disposal. Verification sampling was performed in the areas of excavation and analysis showed levels of PCBs to be between 0.2 to 1.67 ppm. *(Ref: 3)*

Based on the 2000 PCB results in the vicinity of the former 300,000-gallon AST overflow area from recent sampling, additional soil removal should be considered.

3.2 SOUTHEAST BERM

3.2.1 DESCRIPTION OF AREA

The Southeast Berm area is an area north of Silver Creek, and southeast of the stormwater pond. The southeast berm area is presented on Figure 1.2. The southeast berm area was impacted by the 1962 spill discussed in Section 3.1 as material that overflowed from the AST collected and pooled on the ground in this area.

3.2.2 SOIL INVESTIGATIONS

Between 1998 and 2000, 50 locations were investigated in the Southeast Berm area (BH100-98, BH104-98, BH105-98, MW100-98, BH111-98 through BH116-98, MW105-98, MW106-98, BH155-99 through BH161-99, MW112-99, BH162-00 through BH170-00,

BH196-00, BH197-00, BH198-00, BH220-00 through BH232-00, BH252-00, BH253-00, and BH254-00). Three surficial soil samples were then collected on the bank of the stormwater pond (SS-1-00 through SS-3-00). Table 3.2.1 presents the depths and parameters, which samples were collected at and analyzed for, respectively. The locations of the soil samples are presented on Figure 3.2.1, and the borehole logs are presented in Appendix B, except BH253-00. The detections of any analyzed soil parameters are presented on Figures 3.2.2 and 3.2.3, and in Table 3.2.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 8, 10, 11, 13, 14, and 15)*

3.2.3 GROUNDWATER INVESTIGATIONS

Three monitoring wells were installed in 1998 (MW100-98, MW105-98, MW106-98), one monitoring well was installed in 1999 (MW112-99), one monitoring well was then installed in 2000 north of the Southeast Berm (MW123-00), and three groundwater samples were collected in 2000 from boreholes BH227-00, BH231-00, and BH232-00. Table 3.2.1 presents the parameters that the groundwater samples were investigated, except MW123-00 which was not sampled. The locations of the groundwater samples are presented on Figure 3.2.1, and the borehole and well logs are presented in Appendix B. The groundwater detections found in these samples are presented on Figure 3.2.4 and in Table 3.2.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 13 and 14)*

3.2.4 REMEDIAL ACTIVITIES

Based on PCB results in the vicinity of the southeast berm area, soil and groundwater remediation should be considered.

3.3 EXISTING STORMWATER POND

3.3.1 DESCRIPTION OF AREA

Since 1981, Stormwater and non-contact cooling water for the Site has collected in an unlined stormwater pond. Water in the pond is treated using an oil/water separator prior to discharging. Water collected in the pond is periodically discharged to Silver Creek. The existing stormwater pond (ESP) area is presented on Figure 1.2.

3.3.2 SOIL INVESTIGATIONS

Between 1998 and 1999, twelve locations were investigated in the ESP (BH140-98 through BH148-98, BH153-99, and MW107-99 through MW109-99). Table 3.3.1 presents the depths and parameters, which sample were collected at and analyzed for, respectively. The locations of the soil samples are presented on Figure 3.3.1, and the borehole logs are presented in Appendix B. The detections of any analyzed soil parameters are presented on Figure 3.3.2 and in Table 3.3.2. Appendix C presents the analytical results, including any non-detects. *(Ref 10, 11, and 12)*

3.3.3 SEDIMENT INVESTIGATIONS

GZA GeoEnvironmental Inc. (GZA) was retained to determine the volume of sediment in the ESP, in 1997. Samples were collected to determine its composition, and the impact on the algae bloom. For more information on their investigations, refer to report entitled "Summary Report of Findings, Stormwater Pond Sediment Sampling and Analysis" by GZA.

3.3.4 GROUNDWATER INVESTIGATIONS

Monitoring wells MW107-99 through MW109-99 were drilled in 1999. The well logs are presented in Appendix B. Table 3.3.1 presents the parameters that the groundwater samples were analyzed for. The monitoring well locations are presented on Figure 3.3.1. The detected analytical results are presented in Table 3.3.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 11)*

3.3.5 REMEDIAL ACTIVITIES

Based on PCB results from the sediment in the ESP, sediment removal should be considered.

3.4 NORTHERN FILL SOIL PILE , MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

3.4.1 DESCRIPTION OF AREA

Several piles of various materials from unknown sources exist at the Site. Figure 1.2 presents the location of the piles.

3.4.2 SOIL INVESTIGATIONS

In 2000, 16 locations were investigated in the Northern Fill Soil Pile, Miscellaneous Fill Soil Piles and TPH Pile. Nine geoprobes were advanced into the Northern Fill Soil Pile (BH180-00, BH186-00, BH187-00, and BH199-00 through BH204-00). Composite samples were also collected from these boreholes, with the groupings being presented on Figure 3.4.1. BH205-00 through BH207-00 were also advanced in the vicinity of the Northern Fill Soil Pile. Four other soil samples were then collected in 2000. Three were collected together (BH217-00 through BH219-00) in the Northern Fill Soil Pile and the other was collected from the TPH Pile (BH233-00). Table 3.4.1 presents the depths and parameters which samples were collected at and analyzed for, respectively. The locations of the soil samples are presented on Figure 3.4.1, and the borehole logs are presented in Appendix B. The PCB soil detections are presented on Figure 3.4.2 and in Table 3.4.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 13 and 14)*

3.4.3 REMEDIAL ACTIVITIES

Based on the analytical results, no remedial activities are necessary.

3.5 FORMER STORMWATER POND

3.5.1 DESCRIPTION OF AREA

Prior to 1981, stormwater and non-contact cooling water collected in the Former Stormwater Pond (FSP). The FSP was removed from service and backfilled (i.e., sludge left in place) in 1981. The location of the FSP is presented on Figure 1.2.

3.5.2 SOIL INVESTIGATIONS

In 1998, five locations were investigated in the FSP (BH109-98, BH110-98, MW104-98, BH117-98 and BH118-98). In 1999, six more boreholes were advanced (BH150-99 through BH152-99, MW110-99, MW111-99, and BH154-99), but BH150-99 and BH151-99 were not sampled due to obstructions. Table 3.5.1 presents the depths and parameters which samples were collected at and analyzed for, respectively. The borehole locations are presented on Figure 3.5.1, with the borehole logs being presented in Appendix B. The soil detections found in the FSP are presented on Figure 3.5.2 and in Table 3.5.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 8 and 11)*

3.5.3 GROUNDWATER INVESTIGATIONS

To characterize groundwater in the vicinity of the FSP, three monitoring wells have been installed. In January 1998, MW104-98 was installed and in August 1999, MW-110-99 and MW-111-99 were installed. Table 3.5.1 presents the parameters that the groundwater samples were analyzed for. Well locations are presented on Figure 3.5.1, and well logs are presented in Appendix B. The groundwater detections in the FSP are presented on Figure 3.5.3 and in Table 3.5.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 11)*

3.5.4 REMEDIAL ACTIVITIES

Based on PCB results in the vicinity of the FSP area, remediation should be considered.

3.6 FORMER DISPOSAL AREA

3.6.1 DESCRIPTION OF AREA

In late 1988, GM discovered that a portion of their Toledo plant site, approximately 5 acres in size, was used as a disposal area in the 1950s and 1960s. The Former Disposal Area (FDA) is bounded by railroad tracks to the north and east and by Silver Creek to the south. The FDA is not lined or capped. The location of the FDA is presented on Figure 1.2.

3.6.2 SOIL INVESTIGATIONS

In January 1989, C-E Environmental, Inc. (C-EE) conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis. For more information on their Phase I investigations refer to report entitled "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE. Based on the Phase I findings, C-EE and GM decided to conduct additional investigations (Phase II) on the FDA, including sampling and analysis. Phase II field activities were conducted by C-EE on August 22 and 23, 1989. For more information on their Phase II investigations refer to report entitled "Site Assessment Phase II-Former Disposal Area at Toledo Facility" by C-EE.

In January 1998, three boreholes (BH101-98 through and BH103-98) and three monitoring wells (MW-101-98 through MW-103-98) were completed. In June 1998, due to the variability in PCB concentrations detected in the previous soil samples collected, 21 additional boreholes were installed (BH119-98 through BH139-98, with BH138A-99 being sampled in place of BH138-99 due to obstructions). In August 1999, MW117-99 was installed, but no soil samples were collected. In 2000, one composite soil sample was collected on the northeast side of the FDA, in the Fill Soil Pile (BH238-00). Table 3.6.1 presents the depths and parameters for which the soil samples were collected and analyzed, respectively. The borehole locations are presented on Figure 3.6.1, and the borehole logs are presented in Appendix B, expect BH238-00. The soil detections found in the FDA are presented on Figures 3.6.2 and 3.6.3, and in Table 3.6.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 10, 11, and 14)*

3.6.3 GROUNDWATER INVESTIGATIONS

To characterize the groundwater in the vicinity of the FDA, one monitoring well was installed (MW-1) in January 1989 by C-EE. Groundwater samples have been collected from this monitoring well on numerous occasions during a period from January 1989 to March 1997. For more information on the groundwater sampling at MW-1, refer to C-EE's Phase I and Phase II investigation reports.

Five groundwater investigations have occurred in the FDA, including continued sampling at MW-1. In January 1998, MW-101-98 through MW-103-98 were installed. MW117-99 was then drilled and completed in 1999. Table 3.6.1 presents the parameters that the groundwater samples were analyzed for. The monitoring well locations are presented on Figure 3.6.1, and the well logs are presented in Appendix B. The

detections of the analyzed parameters in the FDA are presented on Figure 3.6.4 and in Table 3.6.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 10 and 11)*

3.6.4 LEACHATE INVESTIGATIONS

Historically two leachate seeps were investigated in the FDA, during a period spanning February 1990 to December 1992. One seep is located on the north bank of Silver Creek towards the east side of Ditch A. The other seep is located on the east side of Ditch A. *(Ref 10)*. A leachate / groundwater seep was also identified on the south side of FDA, on the bank of Silver Creek (LCH-1-98). Table 3.6.1 presents the parameters that the leachate samples were analyzed for. The location of the leachate seep is presented on Figure 3.6.1. Detected analytical results are presented in Table 3.6.4 Full sets of analytical results are presented in Appendix C, including any non-detects. *(Ref: 10)*

3.6.5 REMEDIAL ACTIVITIES

Based on PCB results in the vicinity of the FDA area, remediation should be considered.

3.7 AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA

3.7.1 DESCRIPTION OF AREA

The area south of Silver Creek (ASC) is a large undeveloped portion of the site, bounded by Silver Creek to the north and to the west, the site boundary to the south, and the site boundary / railway tracks to the east. The area west of the FDA (AWFD) is another, smaller, undeveloped portion of the site, bounded to the north by railway tracks, to the east by the west ditch of the FDA, to the south by Silver Creek, and by the site boundary to the west. Figure 1.2 presents the location of the ASC / AWFD.

3.7.2 SOIL INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis in the vicinity of the ASC / AWFD. For more information on these

investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

In January 1998, five test trenches were completed to investigate the subsurface soil (TP1-98 through TP5-98). One sample of soil fill was collected from TP-4A-98. BH106-98, BH107-98 were also advanced on the east side of the property in January 1998, while BH108-98 was advanced in south end of the property. In March 1998, three additional surface soil samples (S-1, S-2, and S-3) were collected near the southwest corner of the Site, near Ditch E. In October 1999, three monitoring wells were installed (MW120-99, through MW122-99), but no soil samples were collected. Fifteen test pits in the south end of the FDA (TP-1-99 through TP-14-99). In April 2000, 79 test pits were advanced in the ASC (TP-A1-00 through TP-V6-00) and five test pits were advanced in the AWFD (TP-C3-00 through TP-E6-00). During the same investigation, hand augers were used where access to the grid points was difficult. This was necessary at four locations in the ASC (HA-C1-00 through HA-D2-00) and eight locations in the AWFD (HA-D3-00 through HA-F6-00). In June 2000, eight boreholes were advanced. Three in the location of a proposed pond (BH235-00 through and BH237-00), and five advanced north of Silver Creek at the western edge of the Site (BH243-00 through BH247-00). In the same investigation, six additional test pits were advanced in the immediate vicinity of TP-J1-00 (TP-J1A-00 through TP-J1F-00. Table 3.7.1 presents the depths and parameters that the samples were collected at and analyzed for, respectively. The location of the boreholes and test pits are presented on Figure 3.7.1, with the test pit groupings for composite samples presented on Figure 3.7.2. The borehole and test pit logs are presented in Appendix B except TP1-98 through TP5-98, and TP1-99 through TP14-99. Soil and test pit PCB detections are presented on Figures 3.7.3 and 3.7.4, respectively, and in Table 3.7.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 10, 11, 13, and 14)*

3.7.3 GROUNDWATER INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA with investigations occurring in the vicinity of the ASC & AWFD. For more information on these investigations of the groundwater, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

In October 1999, three wells (MW-120-99 through MW-122-99) were drilled and completed. The locations of the wells are presented on Figure 3.7.1, and the well logs are presented in Appendix B. To date, these monitoring wells have been used to

monitor groundwater levels, but no groundwater samples have been collected from them. *(Ref 11)*

3.7.4 REMEDIAL ACTIVITIES

Based on chromium results in the vicinity of the ASC & AWFD area, only one test pit area must be addressed.

3.8 SOUTHWEST AREA

3.8.1 DESCRIPTION OF AREA

In January 1989, C-EE conducted a Phase I of the FDA. As a part of this assessment, one surface soil sample was collected from the southwest corner of the site in order to obtain representative background surface soil conditions. However, when PCB Aroclor-1248 was detected in this background soil sample and its duplicate, it was determined that the southwest corner of the site, required further investigation. Figure 1.2 presents the location of the Southwest Area. *(Ref: 4)*

3.8.2 SOIL INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of the Southwest Area. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Four boreholes and five hand auger samples have been advanced in the Southwest Area. In June 2000, BH239-00 through BH242-00 were advanced. In September 2000, HA-001-00, HA-002-00 through HA-005-00 were advanced. Table 3.8.1 presents the depths and parameters that the sample were collected at and analyzed for, respectively. The locations are presented on Figure 3.8.1, and the borehole logs are presented in Appendix B. No logs are available for the hand augers. PCB soil detections are presented on Figure 3.8.2 and in Table 3.8.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 14)*

3.8.3 REMEDIAL ACTIVITIES

Based on the investigation results, no remedial activities are necessary.

3.9 SILVER CREEK AND TRIBUTARY DITCHES

3.9.1 DESCRIPTION OF AREA

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site (see Figure 1.2). Silver Creek is approximately 7 miles in length, approximately 10 to 15 feet wide in the vicinity of the Site, and up to 2 feet deep during normal conditions.

Five on-Site ditches flow intermittently into Silver Creek. The locations of the ditches are presented on Figure 1.3. Ditch A is located along the western and northern boundary of the FDA, is approximately 900 feet in length, and flows south into Silver Creek. Ditch B is located directly south of the railway tracks along the eastern boundary of the FDA, is approximately 500 feet long and flows southeasterly into Silver Creek. Ditch C is located north of Silver Creek between the eastern property boundary of the Site and the ESP. Ditch C is approximately 1,300 feet in total length and flows south into Silver Creek. Ditch D is located near the eastern boundary of the Site, is approximately 500 feet in length and flows north into Silver Creek. Ditch E is located south of Silver Creek near the southern property boundary, is approximately 300 feet in length and flows east into the Ketchum Ditch. The Ketchum ditch flows northeast and enters Silver Creek. Figure 1.2 presents the location of Silver Creek and its Tributary Ditches.

3.9.2 SEDIMENT INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of Silver Creek and its tributary ditches. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Fourteen sediment samples have been collected in Silver Creek and its tributary ditches. In March 1998, SED-1-98 through SED-8-98, and SED-10-98 through SED-12-98 were collected. Three sediment samples were then collected from the eastern half of the property (SED14-00 through SED16-00) in 2000. Table 3.9.1 presents the parameters that

the samples were analyzed for. The location of the sediment samples are presented on Figure 3.9.1, and the detected analytical results are presented in Table 3.9.2. Appendix C presents the analytical results, including any non-detects. *(Ref: 9 and 13)*

3.9.3 SURFACE WATER INVESTIGATIONS

In January 1989, C-EE conducted a preliminary site assessment (Phase I) of the FDA which included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis which included investigations in the vicinity of Silver Creek and its tributary ditches. For more information on these investigations, refer to the "Preliminary Site Assessment, Former Disposal Area, Final Report" by C-EE.

Sixteen surface water samples have been collected in the Silver Creek and its tributary ditches. In March 1998, SW-1-98 through SW-10-98 was investigated. SW-4-99 through SW-6-99 were investigated in 1999. Three surface water samples were then collected from the eastern half of the property (SW1-00 through SW3-00) in 2000. Table 3.9.1 presents the parameters that the surface water samples were analyzed for. The location of the surface water samples are presented on Figure 3.9.1. Detected analytical results are presented in Table 3.9.3. Appendix C presents the analytical results, including any non-detects. *(Ref: 13)*

3.9.4 REMEDIAL ACTIVITIES

Based on the investigation results, no remedial activities are necessary.

3.10 AST AREA

3.10.1 DESCRIPTION OF AREA

The AST area is located south of the existing on-Site Wastewater Treatment Plant (WWTP), where many ASTs are located. This area is located east of the plant as presented on Figure 1.2.

3.10.2 SOIL INVESTIGATIONS

Before, May 1997, O'Brien & Gere conducted investigations of the AST area. For more information on these investigations, refer to the "Draft Tank Farm Evaluation" by CRA. *(Ref. 12)*

In May 1997, geoprobes were advanced in the AST area (GP-1 though GP-40). Soil samples were collected from all locations except GP-35.

In August 1997, six boreholes (GH149-99, MW113-99, MW115-99, MW116-99, MW118-99, and MW119-99) were advanced east and south of the AST area. MW-5 and MW-6 from previous investigations were also used to collect groundwater samples. Table 3.10.1 presents the depths and parameters that the samples were collected at and analyzed for, respectively. The locations of the boreholes are presented on Figure 3.10.1, with the borehole logs being presented in Appendix B, except GP-1 through GP-40. The soil detections including TPH, and PCBs are presented on Figures 3.10.2, and 3.10.3, and in Table 3.10.2. Appendix C presents the analytical results, including any non-detects. *(Ref. 12)*

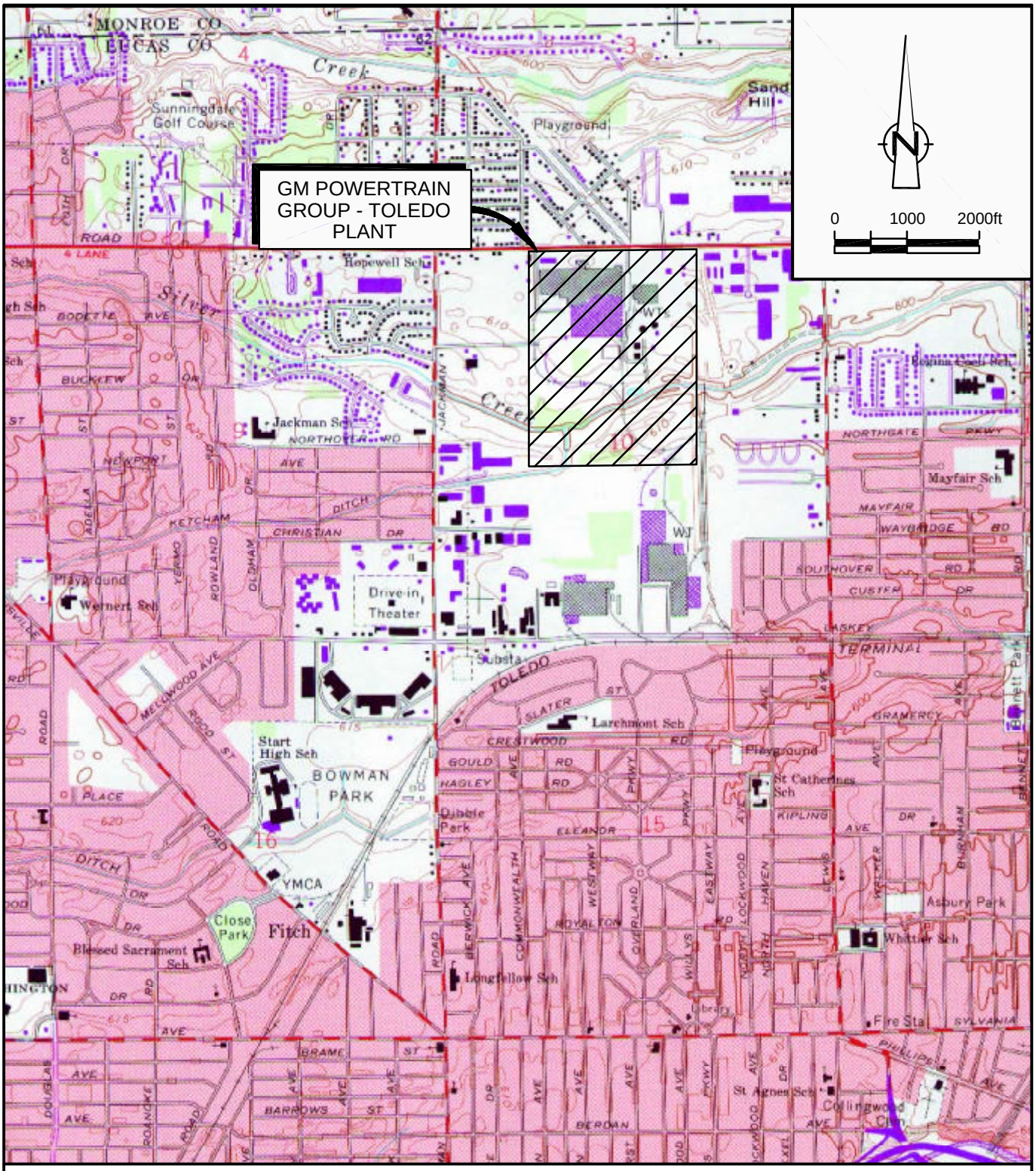
3.10.3 GROUNDWATER INVESTIGATIONS

Before, May 1997, O'Brien & Gere conducted investigations of the AST area. For more information on these investigations, refer to the "Draft Tank Farm Evaluation" by CRA. *(Ref. 12)*

GP-1, GP-3, GP-6, GP-13, GP-37, GP-39, and GP-40 were sampled for groundwater after they were advanced in the AST area, and a sufficient volume of water was available. In October 1997, four recovery wells (RW-1 through RW-4) were completed within the AST area. In November 1997, groundwater was collected from monitoring well MW-1, MW-4, MW-5, and MW-6 from previous investigations and from recovery well RW-3 and RW-4. An additional monitoring well (MW113-99) was installed in 1999. In August 1999, MW115-99, MW116-99, MW118-99, and MW119-99 were installed. Table 3.1.1 presents the parameters that the groundwater samples were analyzed for. The location of the groundwater samples is presented on Figure 3.10.1, and the well logs are presented in Appendix B. Figure 3.10.4 and Table 3.10.3 presents a summary of the detected analytical results for the samples collected. Appendix C presents the analytical results, including any non-detects. *(Ref: 12)*

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10. Revised Draft Investigation Report on the Former Disposal Area and Other Fill Areas, CRA, November 1998.
11. Draft, REALM Property Closure Issues Evaluation, CRA, January 2000.
12. Draft Tank Farm Area Evaluation, CRA, January 2000.
13. Investigation Work Plan GM Property, Toledo, Ohio, CRA, April 1, 2000.
14. Draft, Revised Section 4.2 of Investigation Work Plan (second Stage - June 2000), CRA, May 29, 2000.
15. Memo to Brian Nodolf, From Claire Lewis Re: GM Toledo July Investigative Sampling, CRA, July 11, 2000.
16. Memo to Doug Wagner from Michael Tomka Re: Removal of Chromium Impacted Material South of Silver Creek, Toledo, Ohio, CRA, October 2, 2000.



SOURCE: USGS QUADRANGLE MAP:
TOLEDO, OHIO-MICHIGAN

figure 1.1

PLANT LOCATION
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA022 JAN 11/2001

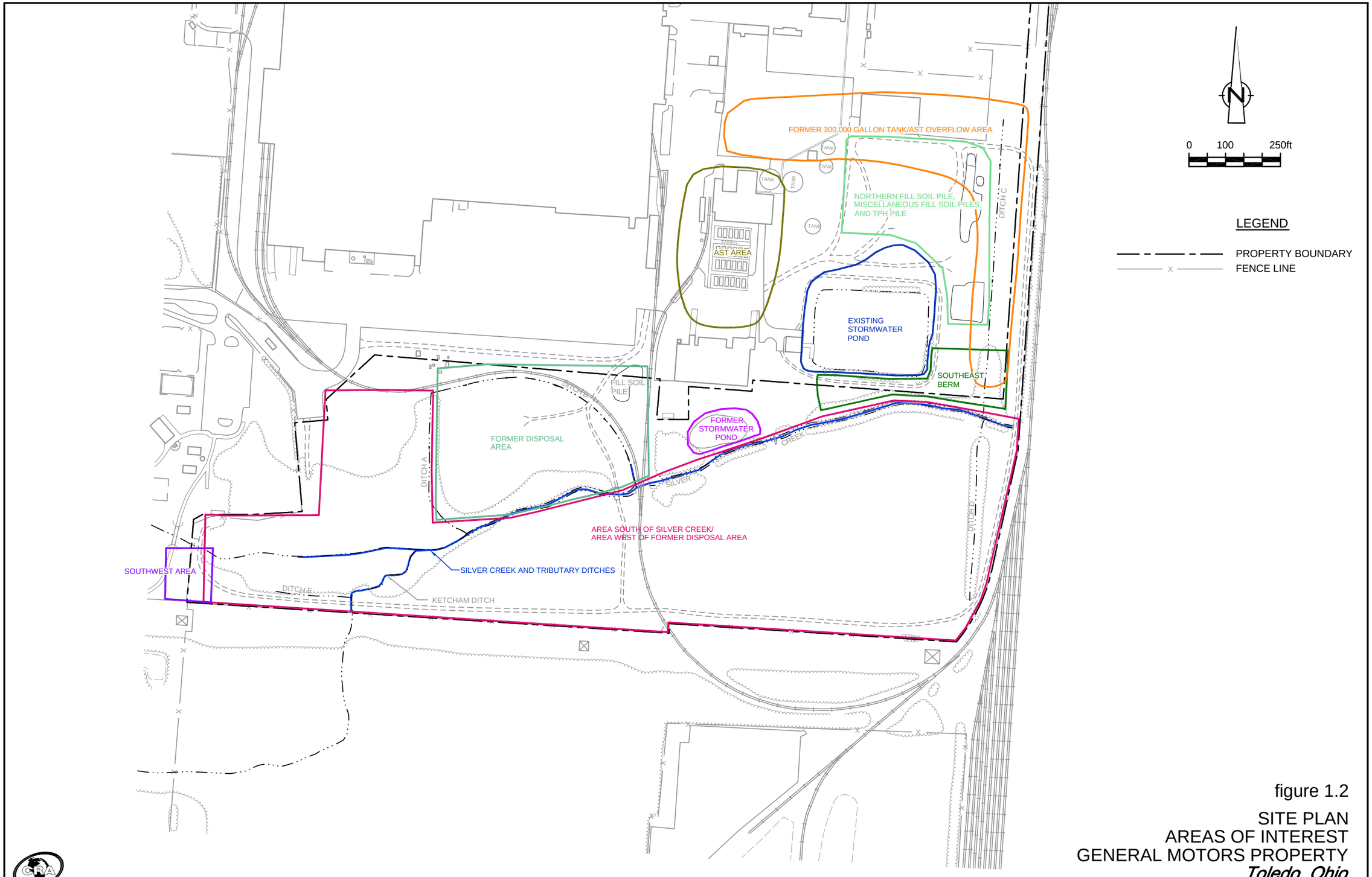
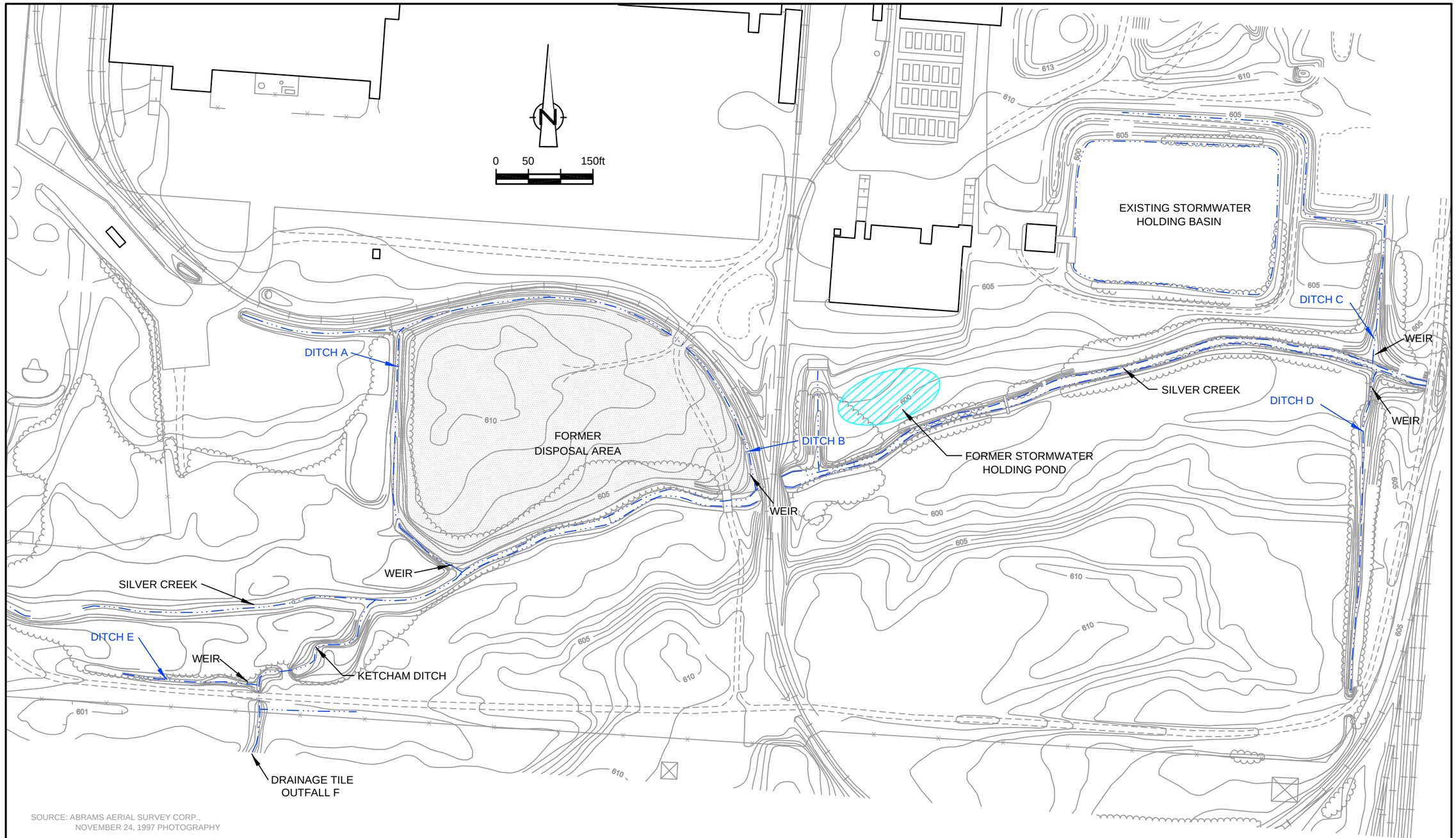


figure 1.2

SITE PLAN
AREAS OF INTEREST
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA029 JAN 11/2001



SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY

figure 1.3

SILVER CREEK AND ON-SITE TRIBUTARY DITCHES
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA028 JAN 11/2001

RESIDENTIAL / COMMERCIAL
TO THE NORTH

ALEXIS ROAD

PROPERTY NOT OWNED
BY GM POWERTRAIN

PROPERTY NOT OWNED
BY GM POWERTRAIN

B-QAC

OFFICE

VISITOR AND AD. BLDG
PARKING

PARKING

PUMP HOUSE

BOILER
HOUSE

ELEC. SUB-STATION

LAB

PLANT No. 2

PRIMARY
SWITCH-GEAR
YARD

DIE ROOM

PARKING

MATERIAL
STORAGE

PARKING

PARKING

PLANT No. 3

RESIDENTIAL TO THE WEST

JACKMAN ROAD

PARKING

EXIST. DROSS
HANDLING AREA

FUEL DEPOT
PAD. (EXIST)

FIRE PROTECTION
WATER TANKS

BUTLER - B
BUILDING

PUMP HOUSE

OILY WASTE
HOLDING TANKS

SECURITY ROAD

COMMERCIAL TO THE EAST

PROPERTY NOT OWNED
BY GM POWERTRAIN

DITCH "C"

RESERVE
HOLDING TANK

NON-CONTACT COOLING
AND STORM WATER
HOLDING BASIN

SOFTBALL FIELD

SOFTBALL FIELD

PARKING

STORAGE
BUILDING A

STORM WATER PUMP &
C.P.I. SEPARATOR BLDG.

SILVER CREEK

ZONE A5

ZONE B

DITCH "A"

FORMER
DISPOSAL AREA

ZONE C

ZONE B

SILVER CREEK

SHELTER

FORMER STORMWATER
HOLDING POND

DITCH "D"

ZONE A5

DITCH "B"

DITCH "E"

KETCHAM DITCH

ZONE C

SECURITY ROAD

SECURITY ROAD

TILE DRAIN

INDUSTRIAL TO THE SOUTH

N

0 100 300ft

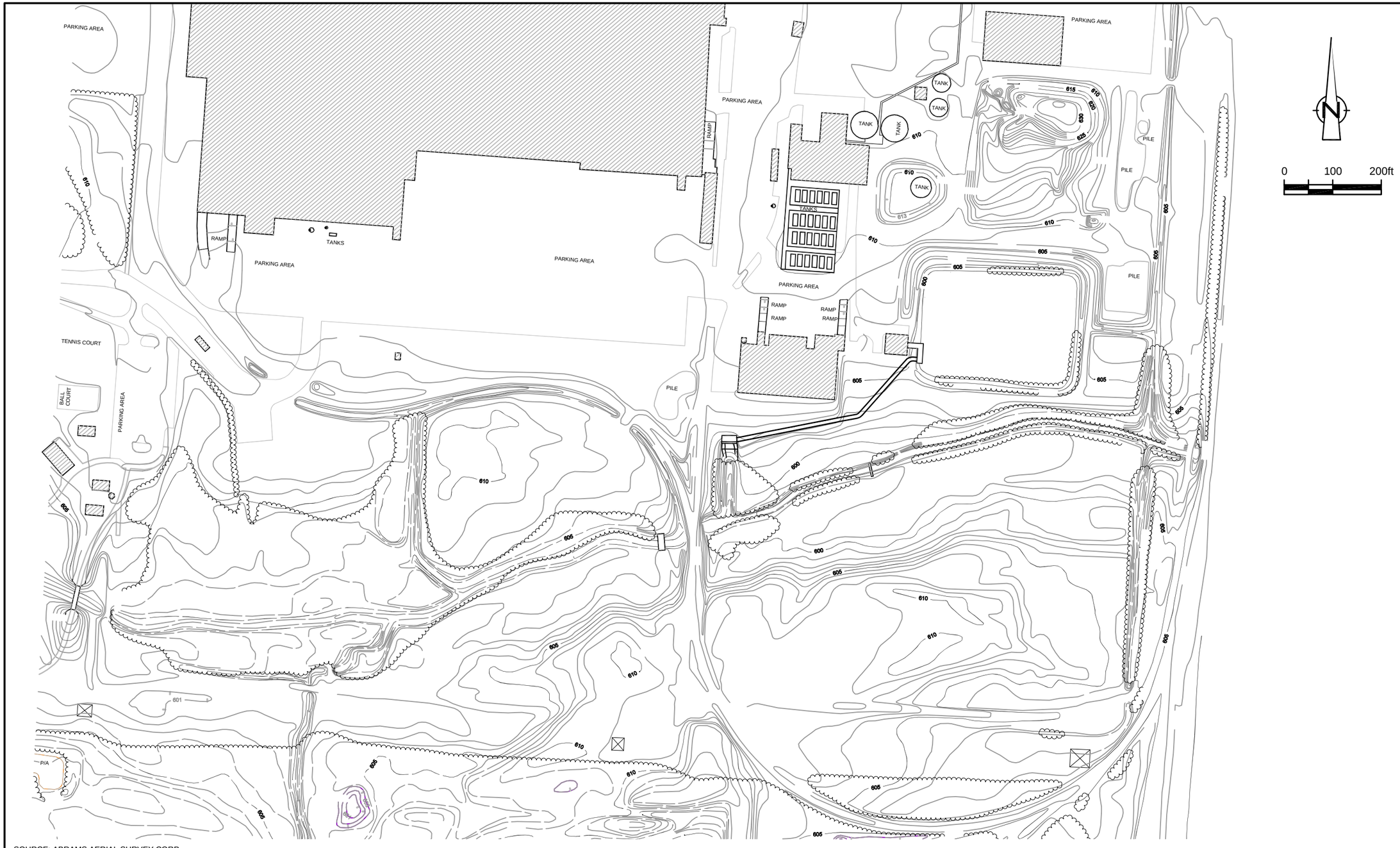
EXPLANATION OF ZONE DESIGNATIONS

ZONE A	AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED.
ZONE A5	AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS DETERMINED.
ZONE B	AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE (1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; OR AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD.
ZONE C	AREAS OF MINIMAL FLOODING.

figure 2.1

FLOOD MAP
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA023 JAN 11/2001

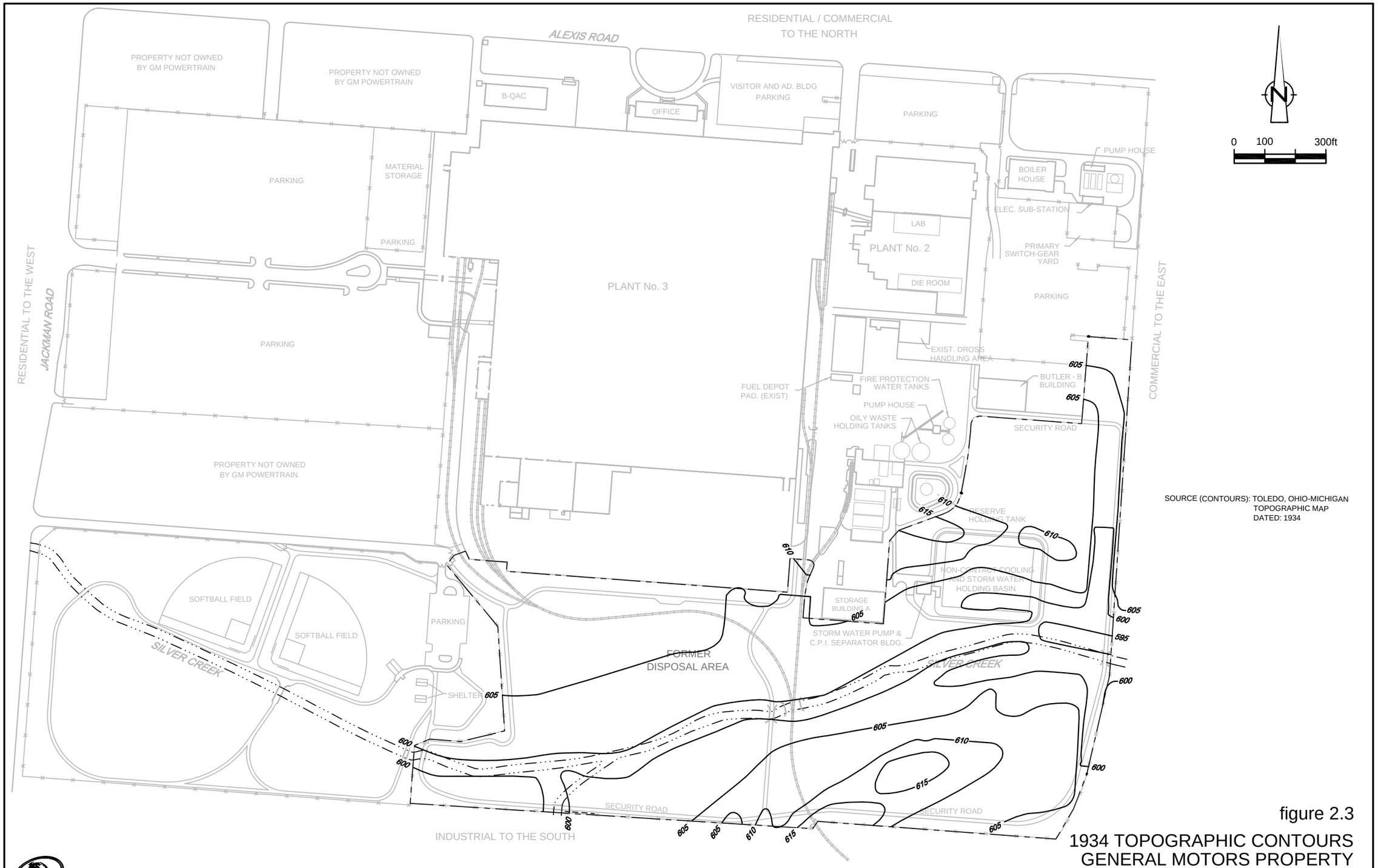


SOURCE: ABRAMS AERIAL SURVEY CORP.
NOVEMBER 24, 1997 PHOTOGRAPHY

figure 2.2

CURRENT SITE TOPOGRAPHY
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA027 JAN 11/2001

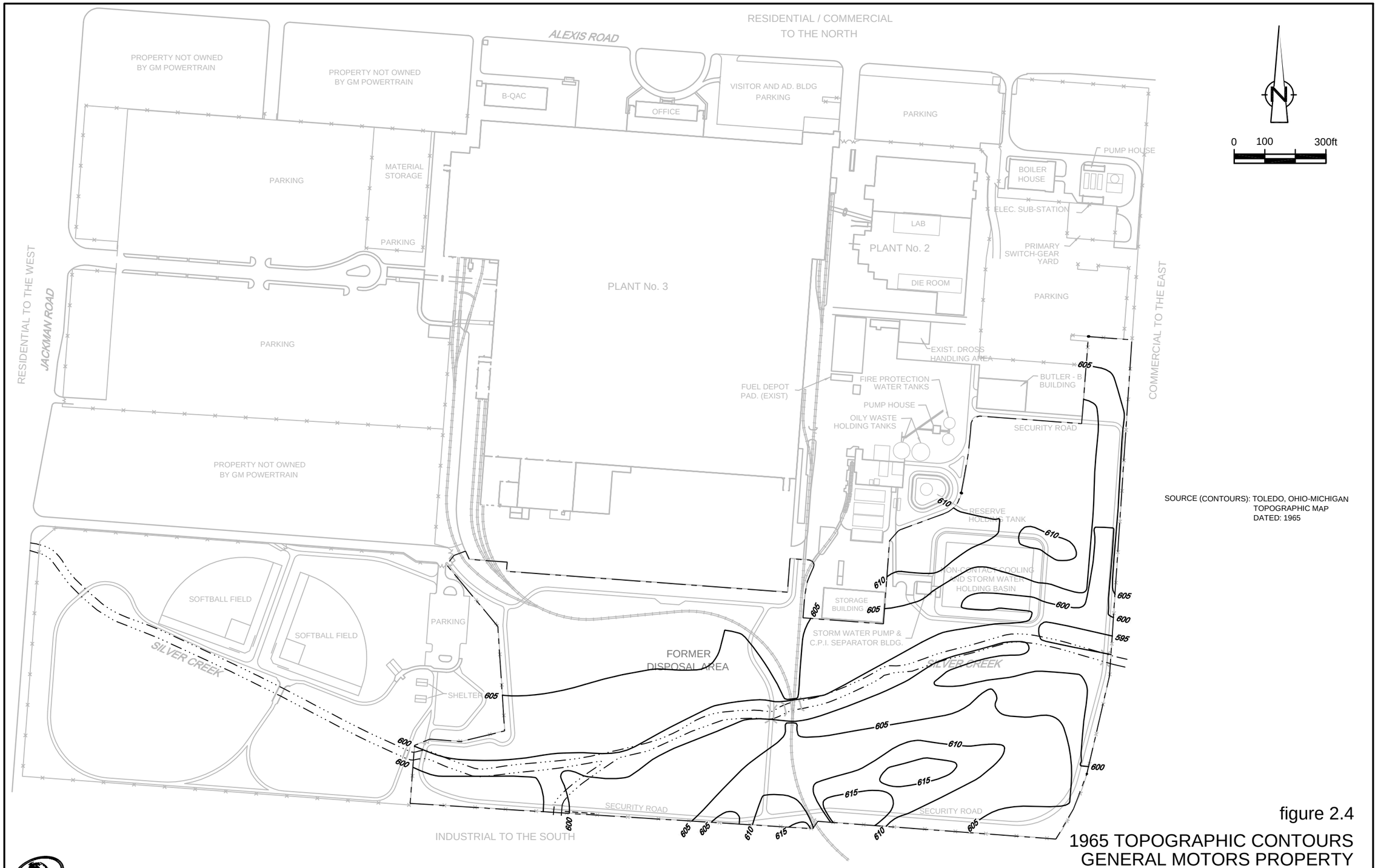


SOURCE (CONTOURS): TOLEDO, OHIO-MICHIGAN
TOPOGRAPHIC MAP
DATED: 1934

figure 2.3

1934 TOPOGRAPHIC CONTOURS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA049 JAN 11/2001



SOURCE (CONTOURS): TOLEDO, OHIO-MICHIGAN
TOPOGRAPHIC MAP
DATED: 1965

figure 2.4

1965 TOPOGRAPHIC CONTOURS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA050 JAN 11/2001



SOURCE (CONTOURS): TOLEDO, OHIO-MICHIGAN
TOPOGRAPHIC MAP
DATED: 1974

figure 2.5

1974 TOPOGRAPHIC CONTOURS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA051 JAN 11/2001



SOURCE (CONTOURS):

BAUER, STARK & LASHBROOK
ARCHITECTS, ENGINEERS & PLANNERS
TOLEDO, OHIO
DATED: AUGUST 28, 1986

figure 2.6

1986 TOPOGRAPHIC CONTOURS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA052 JAN 11/2001



figure 2.7

1934 - 1965 CUT/FILL ISOPACHS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA024 JAN 11/2001



figure 2.8

1965 - 1974 CUT/FILL ISOPACHS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA025 JAN 11/2001

RESIDENTIAL / COMMERCIAL
TO THE NORTH

ALEXIS ROAD

PROPERTY NOT OWNED
BY GM POWERTRAIN

PROPERTY NOT OWNED
BY GM POWERTRAIN

B-QAC

OFFICE

VISITOR AND AD. BLDG
PARKING

PARKING

PUMP HOUSE

BOILER
HOUSE

ELEC. SUB-STATION

LAB

PLANT No. 2

PRIMARY
SWITCH-GEAR
YARD

DIE ROOM

PARKING

MATERIAL
STORAGE

PARKING

PARKING

PLANT No. 3

RESIDENTIAL TO THE WEST

JACKMAN ROAD

COMMERCIAL TO THE EAST

EXIST. DROSS
HANDLING AREA

FUEL DEPOT
PAD. (EXIST)

FIRE PROTECTION
WATER TANKS

BUTLER - B
BUILDING

PUMP HOUSE

OILY WASTE
HOLDING TANKS

SECURITY ROAD

PROPERTY NOT OWNED
BY GM POWERTRAIN

RESERVE
HOLDING TANK

NON-CONTACT COOLING
AND STORM WATER
HOLDING BASIN

STORAGE
BUILDING A

SOFTBALL FIELD

SOFTBALL FIELD

PARKING

SILVER CREEK

SHELTER

FORMER
DISPOSAL AREA

STORM WATER PUMP &
GPU SEPARATOR BLDG.

SILVER CREEK

SECURITY ROAD

SECURITY ROAD

INDUSTRIAL TO THE SOUTH

0 100 300ft

LEGEND

———	ISOPACH CONTOUR (ELEVATION CHANGE IN FEET)
-2	CUT ISOPACH
+2	FILL ISOPACH

figure 2.9

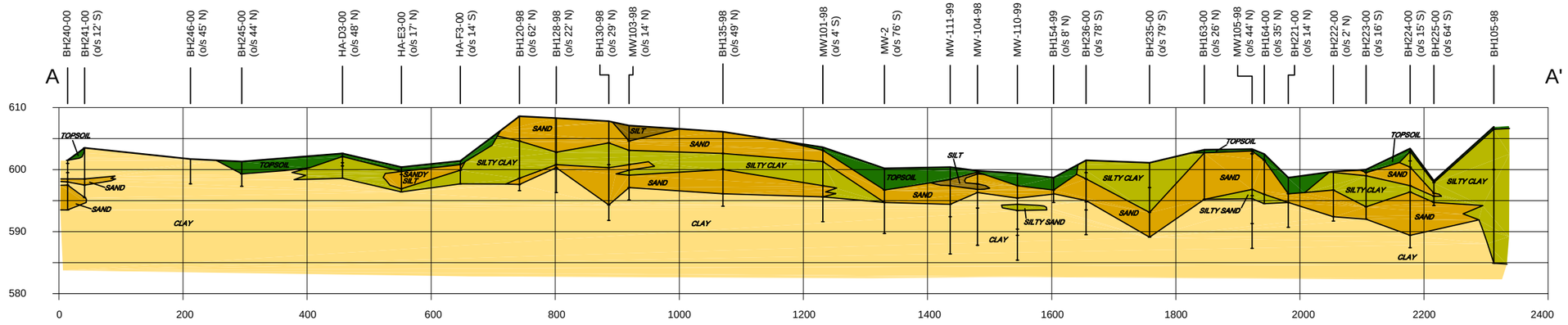
1974 - 1986 CUT/FILL ISOPACHS
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA026 JAN 11/2001



figure 2.10

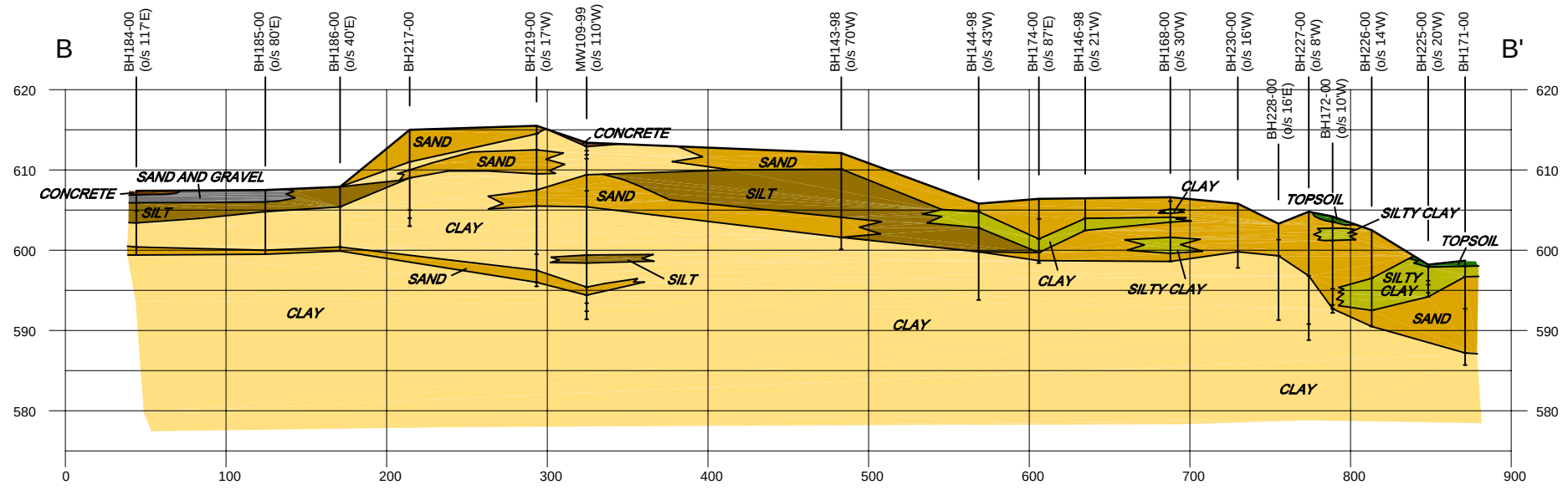
CROSS SECTION LOCATIONS
GENERAL MOTORS PROPTERY
Toledo, Ohio



SCALE: HORIZ. 1"=200'
VERT. 1"=20'

figure 2.11

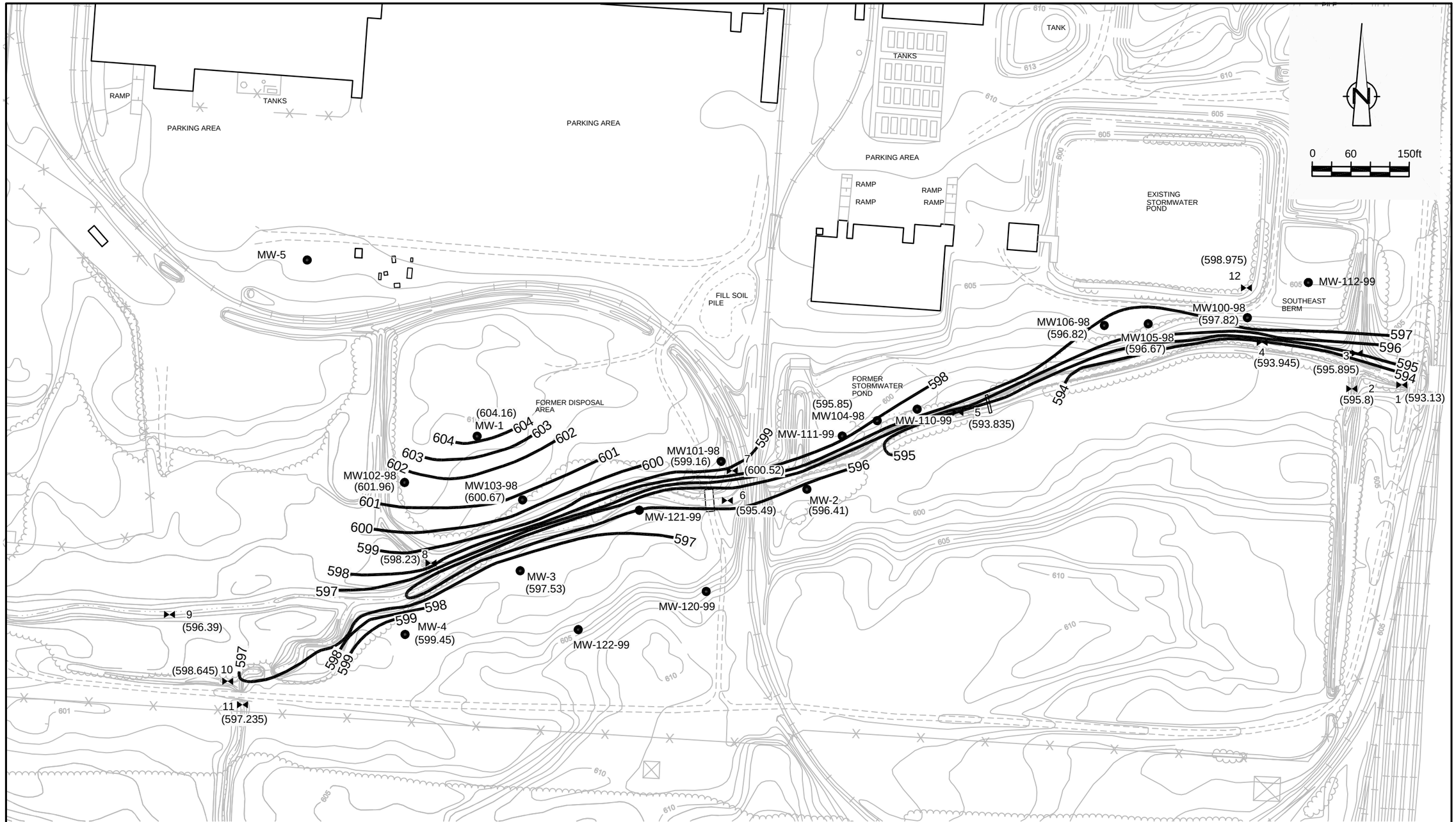
CROSS SECTION A-A'
GENERAL MOTORS PROPTERY
Toledo, Ohio



SCALE: HORIZ. 1"=100'
VERT. 1"=20'

figure 2.12

CROSS SECTION B-B'
GENERAL MOTORS PROPERTY
Toledo, Ohio



LEGEND

MW106-98 ● MONITORING WELL

2 ⧗ STAFF GAUGE

(600.67) GROUNDWATER ELEVATION-MARCH 1998

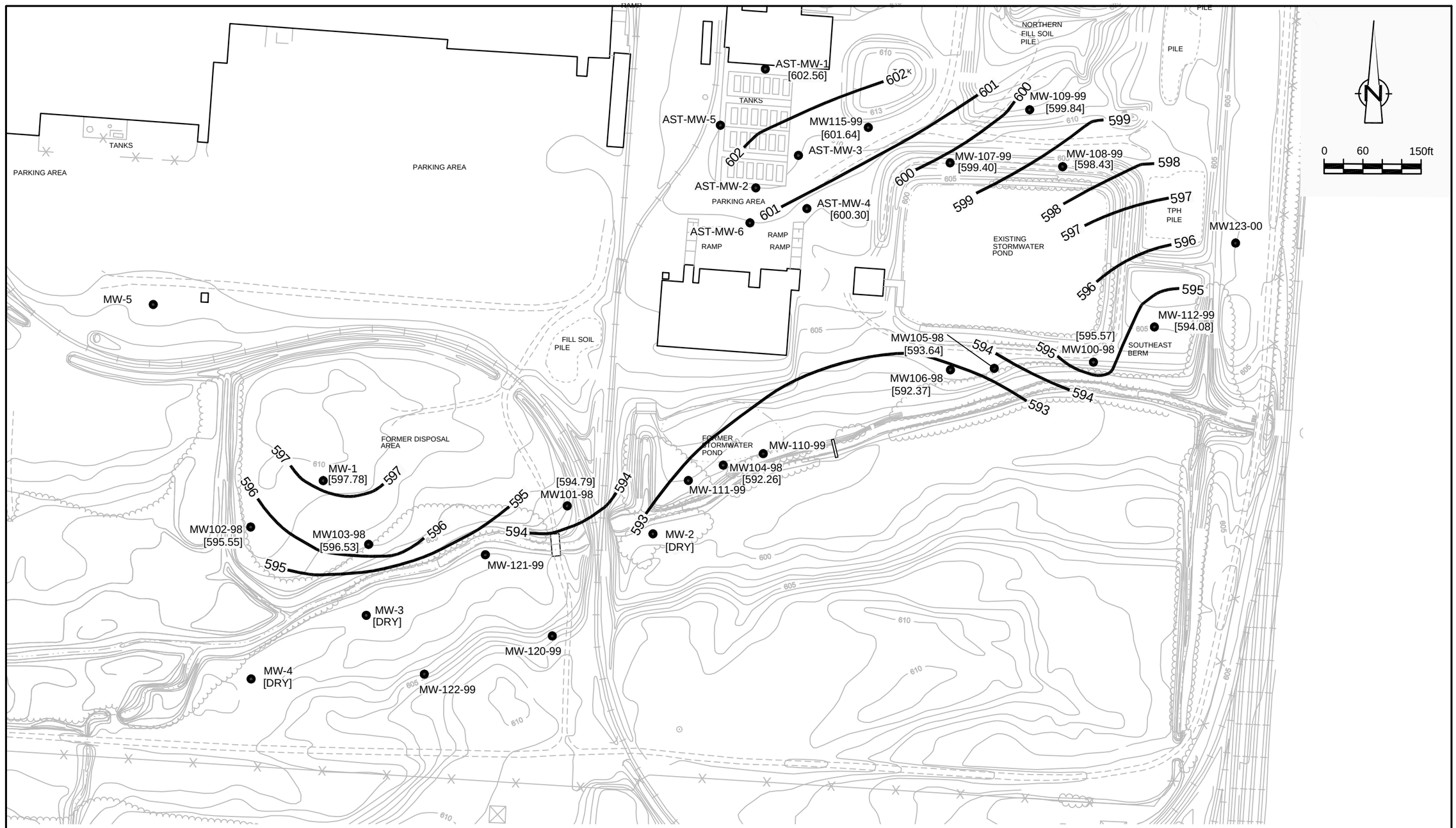
597 ——— CONTOUR LINE

SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY

figure 2.13

GROUNDWATER AND SURFACE WATER ELEVATIONS - MARCH 6, 1998
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA047 JAN 11/2001



LEGEND

MW106-98 ● MONITORING WELL

(600.67) GROUNDWATER ELEVATION-MARCH 1998

597 CONTOUR LINE

SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY

figure 2.14

GROUNDWATER ELEVATIONS - OCTOBER 14, 1998
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA048 JAN 11/2001

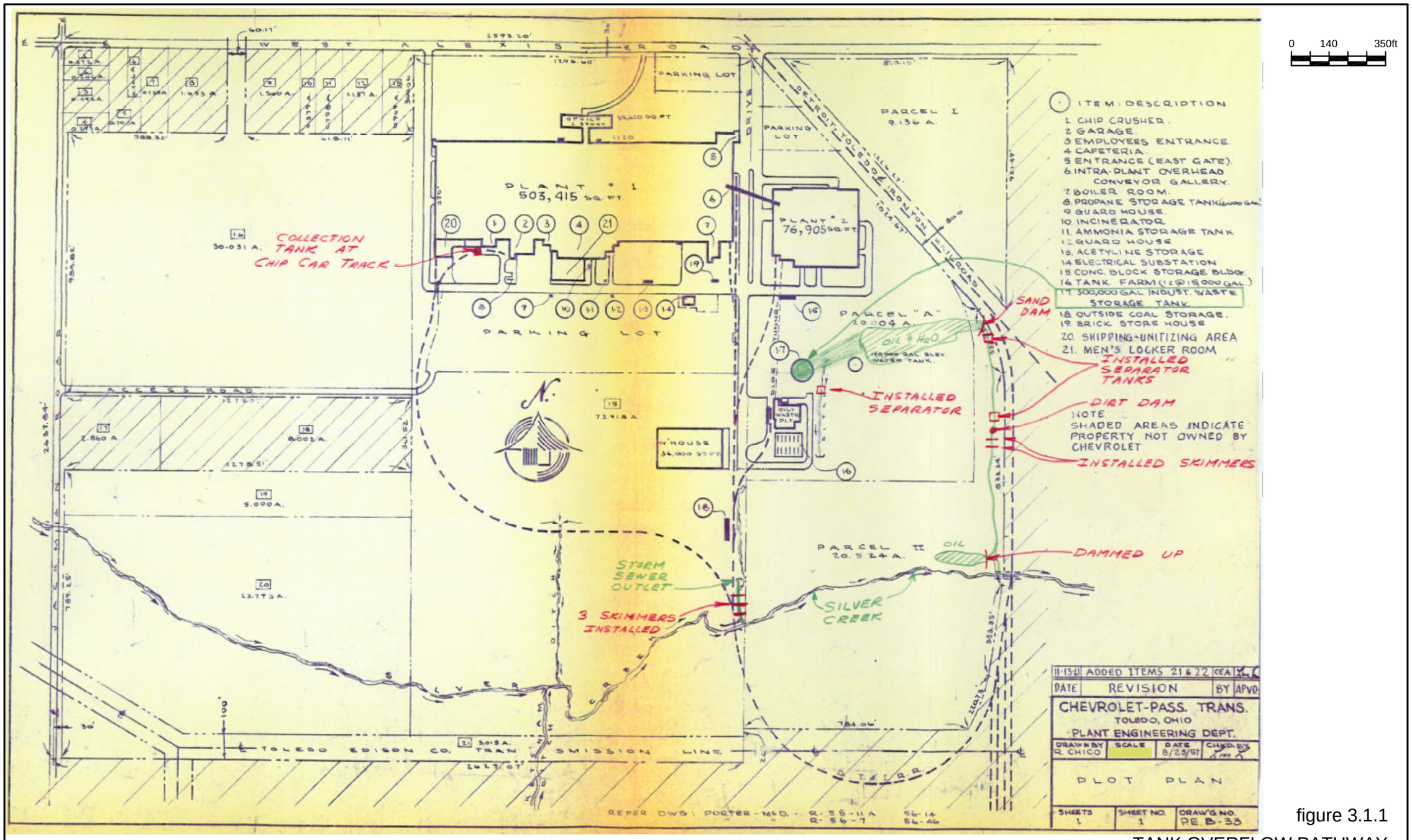


figure 3.1.1
TANK OVERFLOW PATHWAY
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

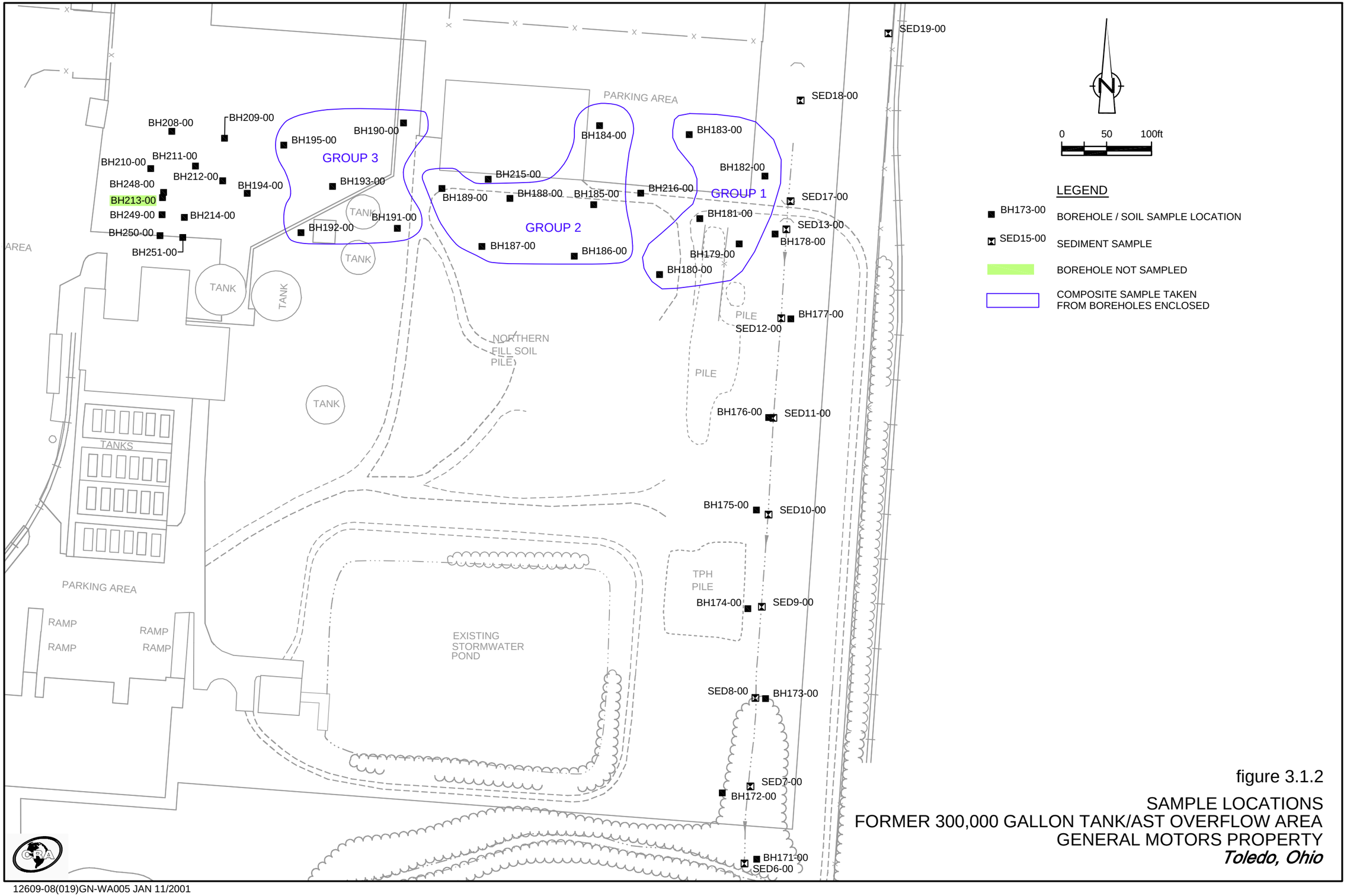


figure 3.1.2

SAMPLE LOCATIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA005 JAN 11/2001

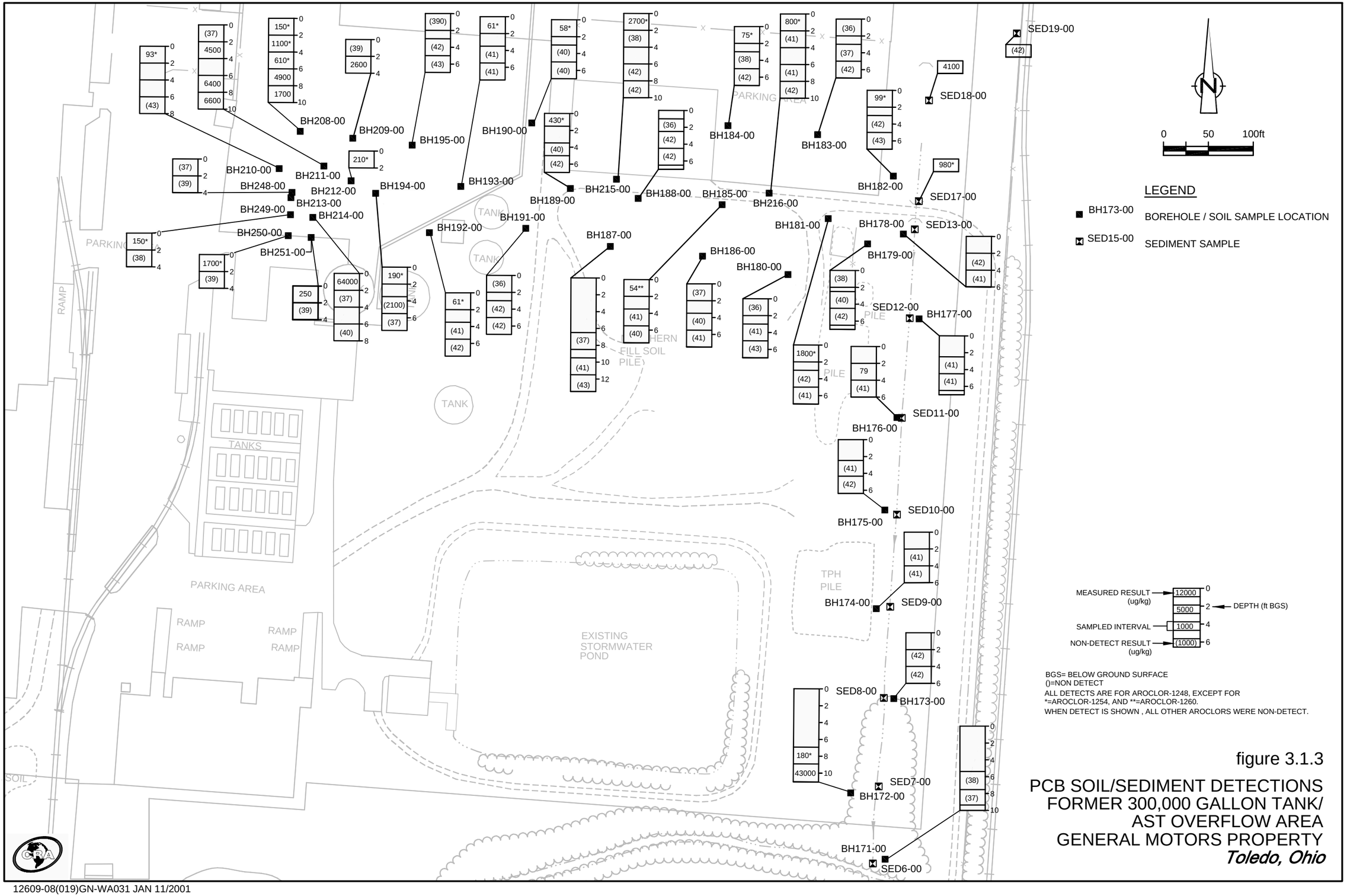


figure 3.1.3

PCB SOIL/SEDIMENT DETECTIONS FORMER 300,000 GALLON TANK/ AST OVERFLOW AREA GENERAL MOTORS PROPERTY

Toledo, Ohio

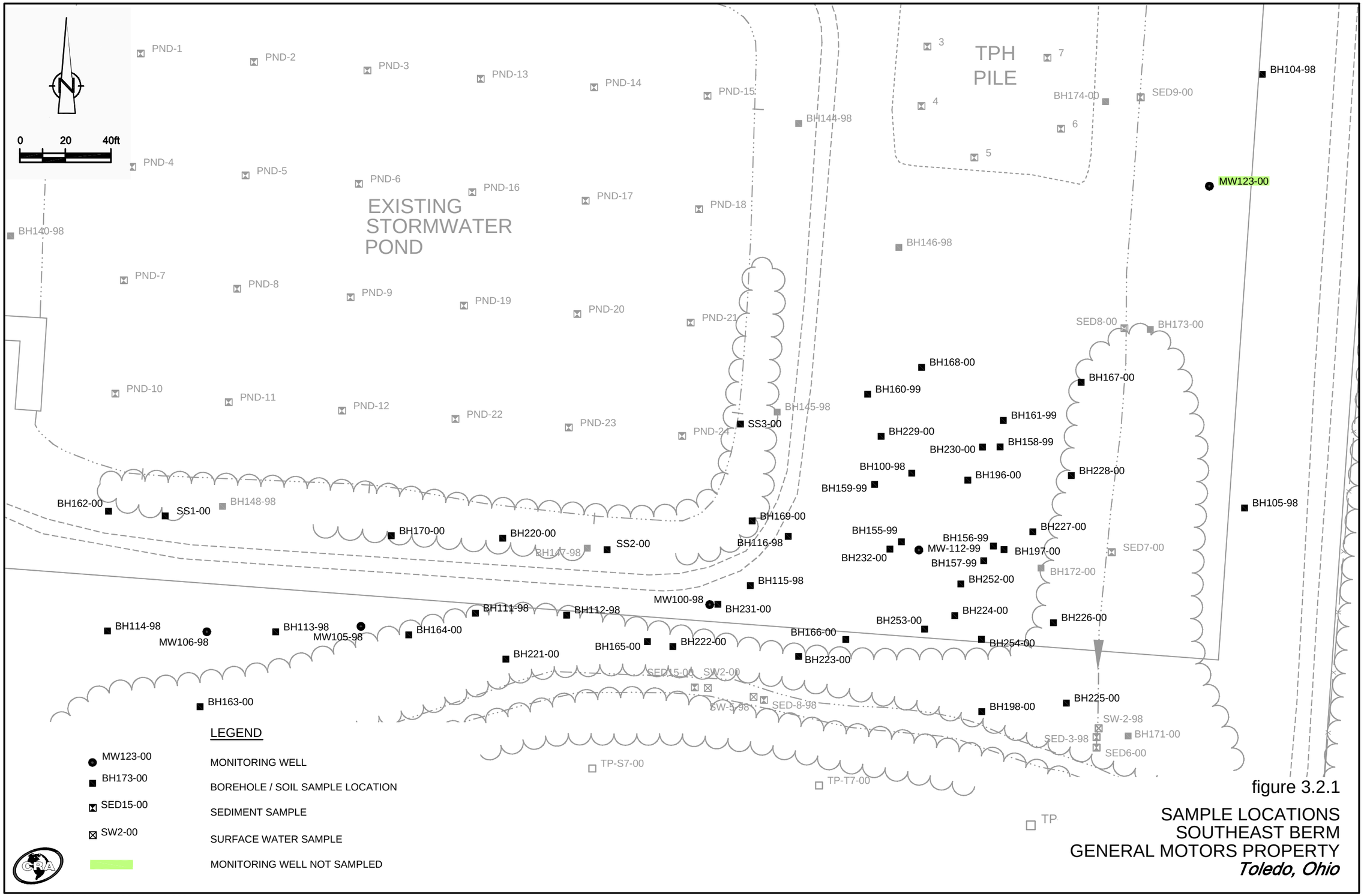
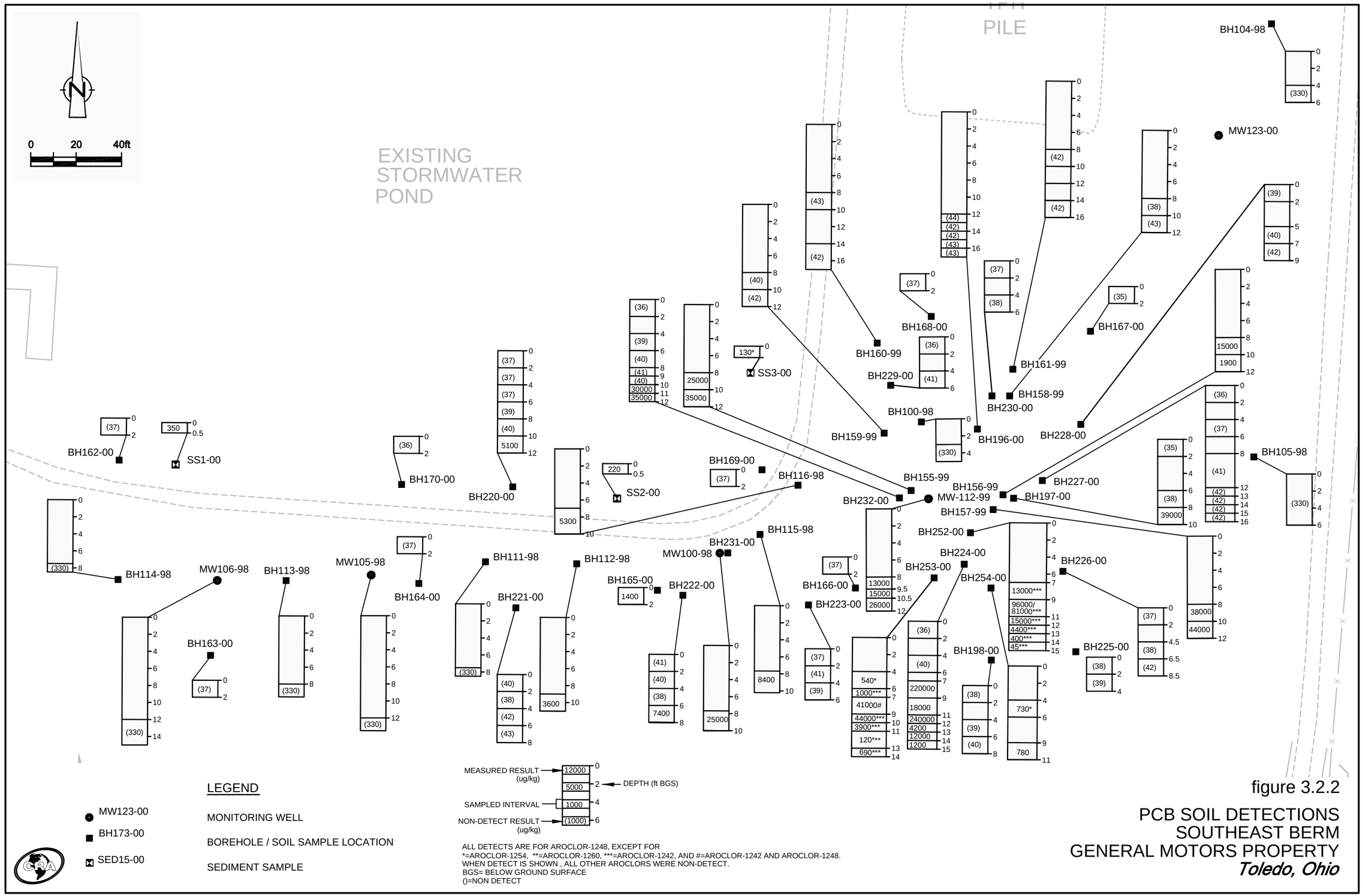


figure 3.2.1

SAMPLE LOCATIONS
SOUTHEAST BERM
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA006 JAN 11/2001

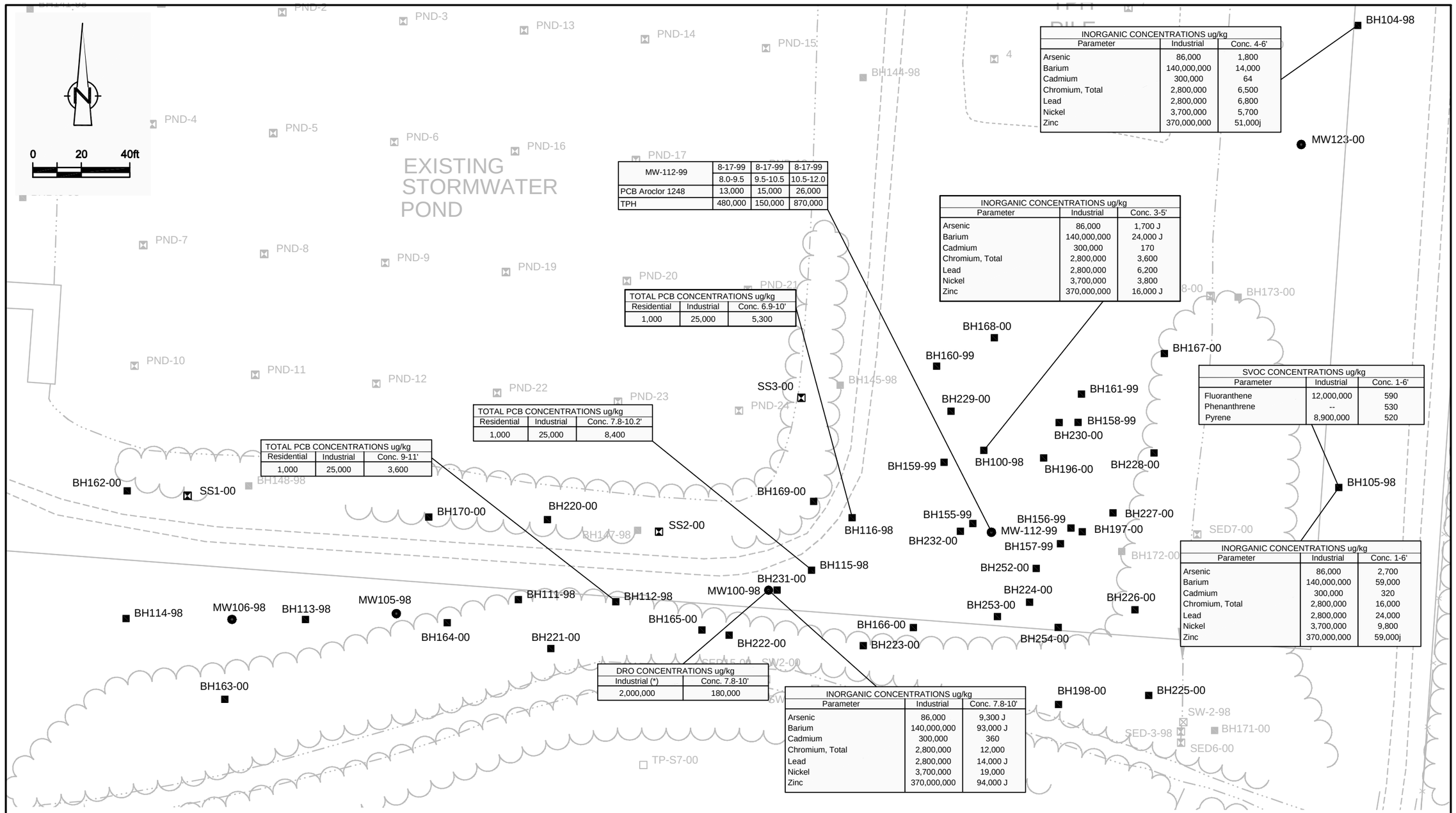


ALL DETECTS ARE FOR AROCLOR-1248, EXCEPT FOR
*=AROCLOR-1254, **=AROCLOR-1260, ***=AROCLOR-1242, AND #=AROCLOR-1242 AND AROCLOR-1248.
WHEN DETECT IS SHOWN , ALL OTHER AROCLORS WERE NON-DETECT.
BGS= BELOW GROUND SURFACE
()=NON DETECT

figure 3.2.2

PCB SOIL DETECTIONS
SOUTHEAST BERM
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA034 JAN 11/2001



MW-112-99	8-17-99 8.0-9.5	8-17-99 9.5-10.5	8-17-99 10.5-12.0
PCB Aroclor 1248	13,000	15,000	26,000
TPH	480,000	150,000	870,000

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 4-6'
Arsenic	86,000	1,800
Barium	140,000,000	14,000
Cadmium	300,000	64
Chromium, Total	2,800,000	6,500
Lead	2,800,000	6,800
Nickel	3,700,000	5,700
Zinc	370,000,000	51,000j

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 3-5'
Arsenic	86,000	1,700 J
Barium	140,000,000	24,000 J
Cadmium	300,000	170
Chromium, Total	2,800,000	3,600
Lead	2,800,000	6,200
Nickel	3,700,000	3,800
Zinc	370,000,000	16,000 J

TOTAL PCB CONCENTRATIONS ug/kg		
Residential	Industrial	Conc. 6.9-10'
1,000	25,000	5,300

TOTAL PCB CONCENTRATIONS ug/kg		
Residential	Industrial	Conc. 7.8-10.2'
1,000	25,000	8,400

TOTAL PCB CONCENTRATIONS ug/kg		
Residential	Industrial	Conc. 9-11'
1,000	25,000	3,600

SVOC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 1-6'
Fluoranthene	12,000,000	590
Phenanthrene	--	530
Pyrene	8,900,000	520

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 1-6'
Arsenic	86,000	2,700
Barium	140,000,000	59,000
Cadmium	300,000	320
Chromium, Total	2,800,000	16,000
Lead	2,800,000	24,000
Nickel	3,700,000	9,800
Zinc	370,000,000	59,000j

DRO CONCENTRATIONS ug/kg	
Industrial (*)	Conc. 7.8-10'
2,000,000	180,000

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 7.8-10'
Arsenic	86,000	9,300 J
Barium	140,000,000	93,000 J
Cadmium	300,000	360
Chromium, Total	2,800,000	12,000
Lead	2,800,000	14,000 J
Nickel	3,700,000	19,000
Zinc	370,000,000	94,000 J

LEGEND

- MW123-00 — MONITORING WELL
- BH173-00 — BOREHOLE / SOIL SAMPLE LOCATION
- SED15-00 — SEDIMENT SAMPLE

NOTES:
- INDUSTRIAL - OHIO INDUSTRIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM
- (*) - TOTAL PETROLEUM HYDROCARBON SOIL SATURATION CONCENTRATION FOR MIDDLE DISTILLATE PETROLEUM FRACTION IN SAND AND GRAVEL OR UNKNOWN SOIL TYPES
- RESIDENTIAL - OHIO RESIDENTIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM

SVOC- SEMI-VOLATILE ORGANIC COMPOUND
DRO - DIESEL RANGE ORGANICS
TPH - TOTAL PETROLEUM HYDROCARBONS
J - CONCENTRATION IS AN ESTIMATED VALUE, RESULT IS LESS THAN REPORTING LIMIT

MW 109-99 | 8-12-99 | 14.0-15.0 | TPH | 56,000

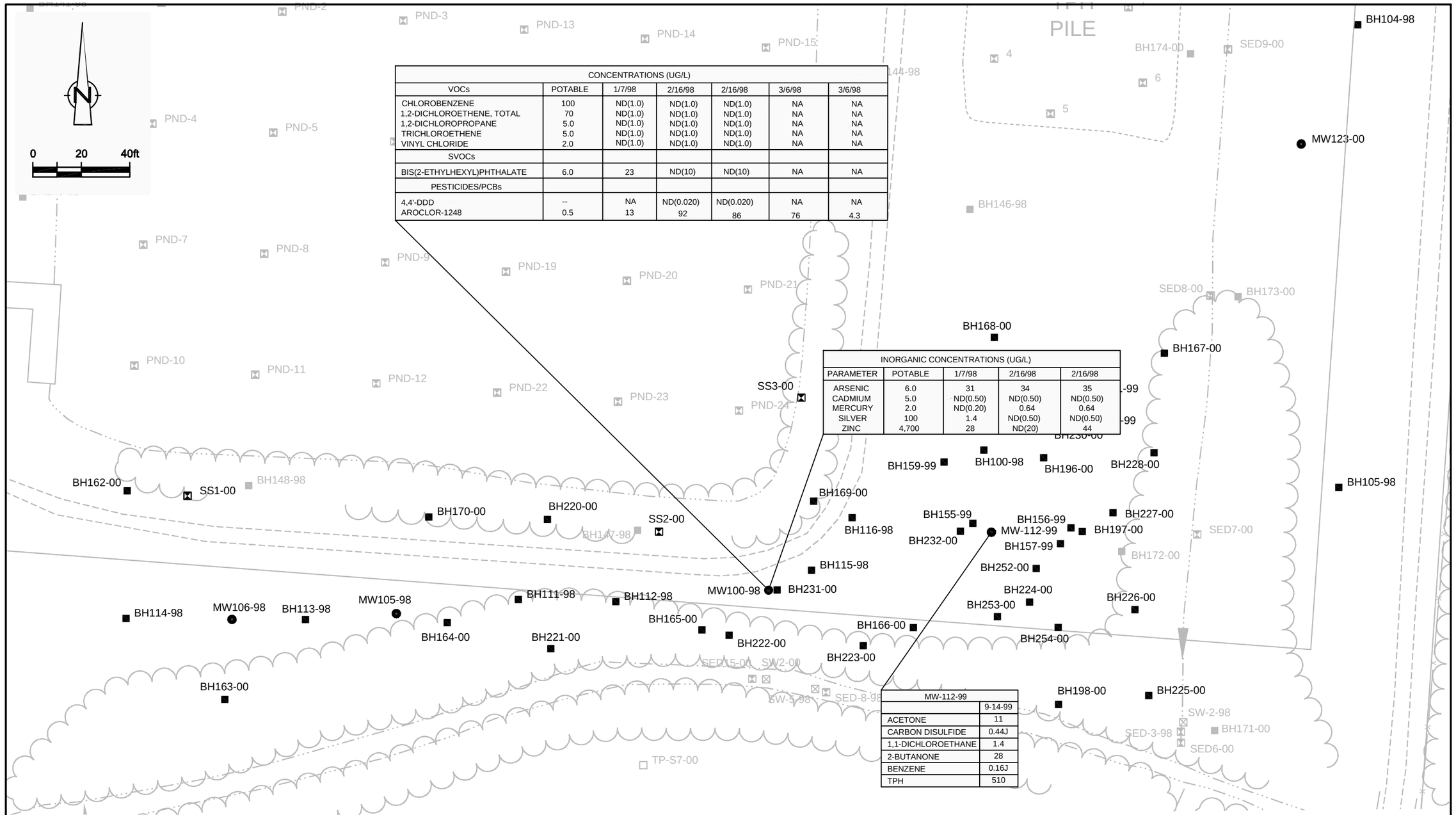
- SAMPLE LOCATION
- SAMPLE DATE
- SAMPLE DEPTH (ft.)
- CONCENTRATION (ug/kg)
- COMPOUND

figure 3.2.3

OTHER SOIL DETECTIONS SOUTHEAST BERM GENERAL MOTORS PROPERTY

Toledo, Ohio

12609-08(019)GN-WA035 JAN 11/2001



CONCENTRATIONS (UG/L)						
VOCs	POTABLE	1/7/98	2/16/98	2/16/98	3/6/98	3/6/98
CHLOROBENZENE	100	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA
1,2-DICHLOROETHENE, TOTAL	70	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA
1,2-DICHLOROPROPANE	5.0	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA
TRICHLOROETHENE	5.0	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA
VINYL CHLORIDE	2.0	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA
SVOCs						
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	23	ND(10)	ND(10)	NA	NA
PESTICIDES/PCBs						
4,4'-DDD	--	NA	ND(0.020)	ND(0.020)	NA	NA
AROCLOR-1248	0.5	13	92	86	76	4.3

INORGANIC CONCENTRATIONS (UG/L)				
PARAMETER	POTABLE	1/7/98	2/16/98	2/16/98
ARSENIC	6.0	31	34	35
CADMIUM	5.0	ND(0.50)	ND(0.50)	ND(0.50)
MERCURY	2.0	ND(0.20)	0.64	0.64
SILVER	100	1.4	ND(0.50)	ND(0.50)
ZINC	4,700	28	ND(20)	44

MW-112-99	
	9-14-99
ACETONE	11
CARBON DISULFIDE	0.44J
1,1-DICHLOROETHANE	1.4
2-BUTANONE	28
BENZENE	0.16J
TPH	510

LEGEND

MW123-00 — MONITORING WELL

BH173-00 — BOREHOLE / SOIL SAMPLE LOCATION

SED15-00 — SEDIMENT SAMPLE

NOTE: POTABLE-OHIO GENERIC UNRESTRICTED POTABLE USE STANDARDS, PROPOSED ADMINISTRATIVE RULES FOR THE OHIO VOLUNTARY ACTION PLAN

SILVER STANDARD VALUE IS THE SECONDARY MAXIMUM CONTAMINANT LEVEL, OHIO ADMINISTRATIVE CODE, 3745-82

TPH - TOTAL PETROLEUM HYDROCARBONS

J - CONCENTRATION IS AN ESTIMATED VALUE, RESULT IS LESS THAN REPORTING LIMIT

MW 109-99	SAMPLE LOCATION
8-12-99	SAMPLE DATE
14.0-15.0	SAMPLE DEPTH (ft.)
TPH 56,000	CONCENTRATION (ug/L)
	COMPOUND

figure 3.2.4

GROUNDWATER DETECTIONS SOUTHEAST BERM GENERAL MOTORS PROPERTY *Toledo, Ohio*

12609-08(019)GN-WA036 JAN 11/2001

BH153-99
MW-109-99
BH202-00
MW115-99
MW-107-99
MW-108-99
BH142-98
BH143-98
BH141-98
BH144-98
EXISTING
STORMWATER
POND
BH140-98
BH146-98
BH148-98
BH162-00
SS1-00
BH170-00
BH220-00
BH147-98
SS2-00
BH116-98
BH115-98
BH153-99
BH145-98
SS3-00
BH175-00
SED10-00
1
2
BH233-00
8
TPH
PILE
3
7
4
BH174-00
SED9-00
6
5
BH104-98
MW123-00
SED8-00
BH173-00
BH168-00
BH167-00
BH160-99
BH161-99
BH229-00
BH230-00
BH158-99
BH100-98
BH196-00
BH228-00
BH159-99
BH169-00
BH155-99
BH227-00
MW-112-99
BH156-99
BH197-00
SED7-00
BH232-00
BH157-99
BH172-00
BH252-00
BH105-98
N
0 20 50ft

LEGEND

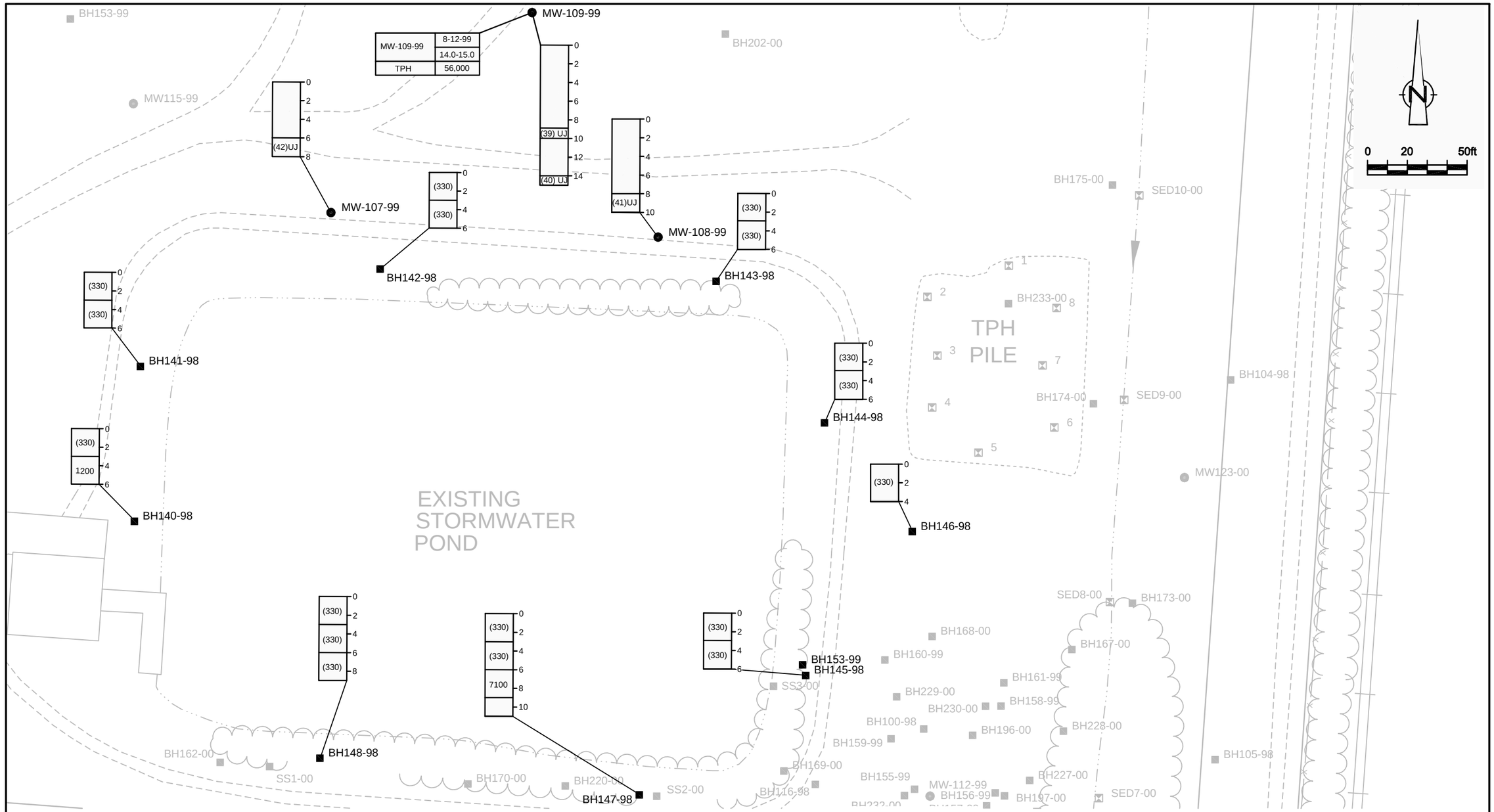
BH173-00 — BOREHOLE / SOIL SAMPLE LOCATION

MW-108-99 — MONITORING WELL LOCATION

figure 3.3.1

SAMPLE LOCATIONS
EXISTING STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA004 JAN 11/2001



LEGEND

BH173-00 — BOREHOLE / SOIL SAMPLE LOCATION

MW-108-99 — MONITORING WELL LOCATION

MW-109-99 | 8-12-99 | 14.0-15.0 | TPH | 56,000

- SAMPLE LOCATION
- SAMPLE DATE
- SAMPLE DEPTH (ft.)
- CONCENTRATION (ug/kg)
- COMPOUND

NOTE: TPH - TOTAL PETROLEUM HYDROCARBONS

MEASURED RESULT (ug/kg) → 12000 / 5000 / SAMPLED INTERVAL → 1000 / NON-DETECT RESULT (ug/kg) → (1000)

DEPTH (ft BGS): 0, 2, 4, 6

UJ= ESTIMATED, BELOW DETECTION LIMIT
J= ESTIMATED
BGS= BELOW GROUND SURFACE
()=NON DETECT

ALL DETECTS ARE FOR AROCLOR-1248, EXCEPT FOR
*=AROCLOR-1254, AND **=AROCLOR-1260.
ALL NON- DETECTS (ND) ARE FOR TOTAL PCB.
WHEN DETECT IS SHOWN , ALL OTHER AROCLORS WERE NON-DETECT.

figure 3.3.2

SOIL DETECTIONS
EXISTING STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

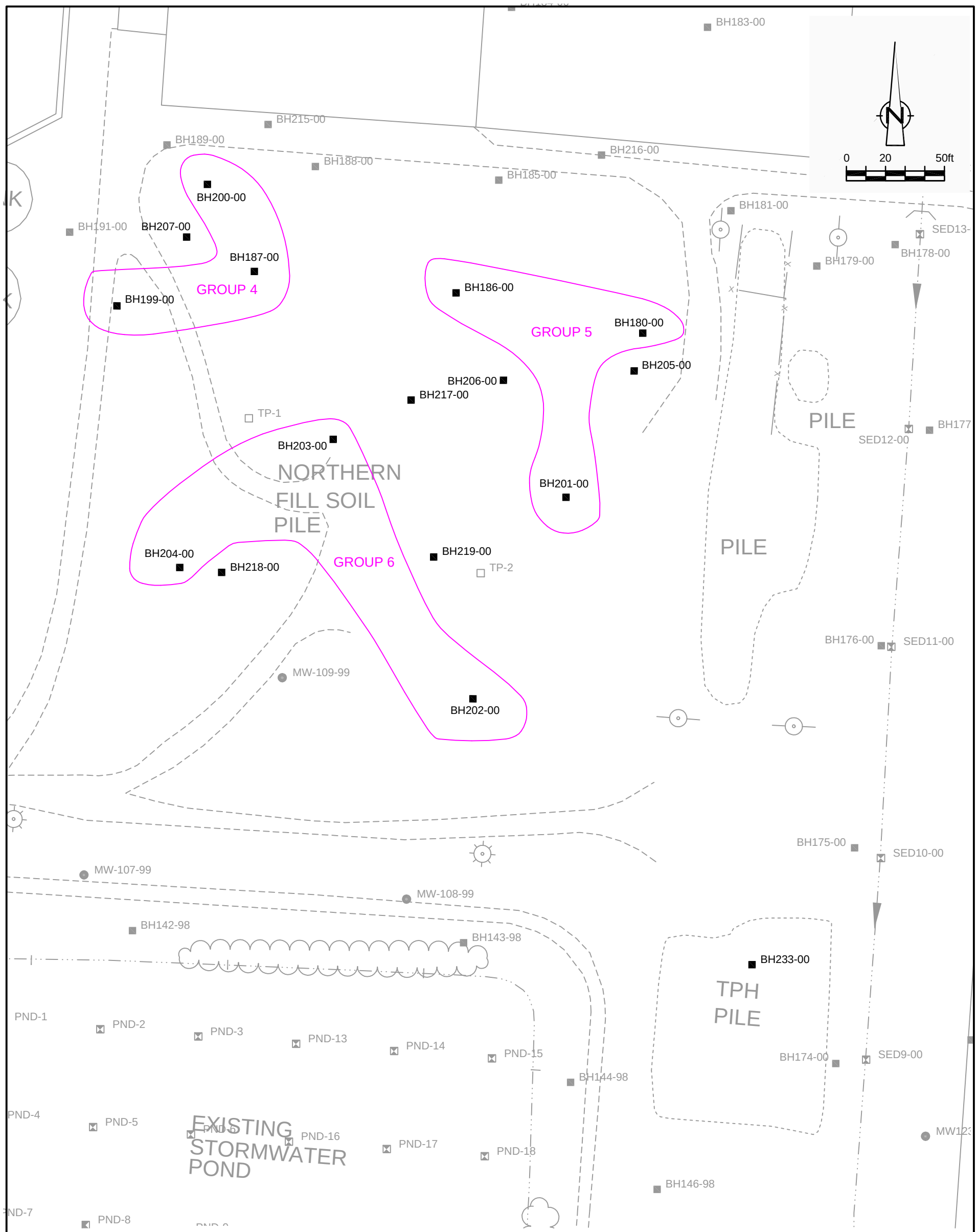
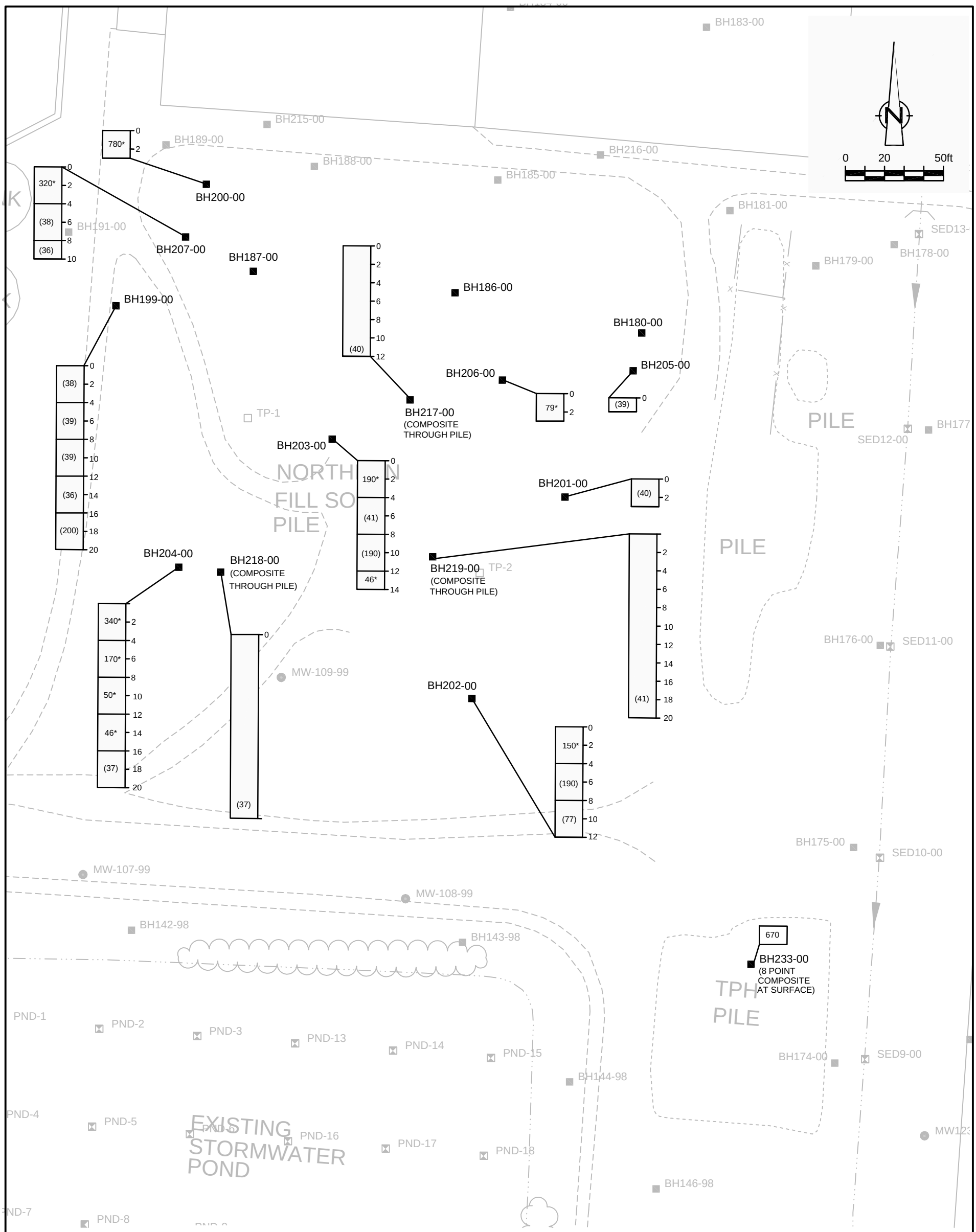


figure 3.4.1

SAMPLE LOCATIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA003 JAN 11/2001

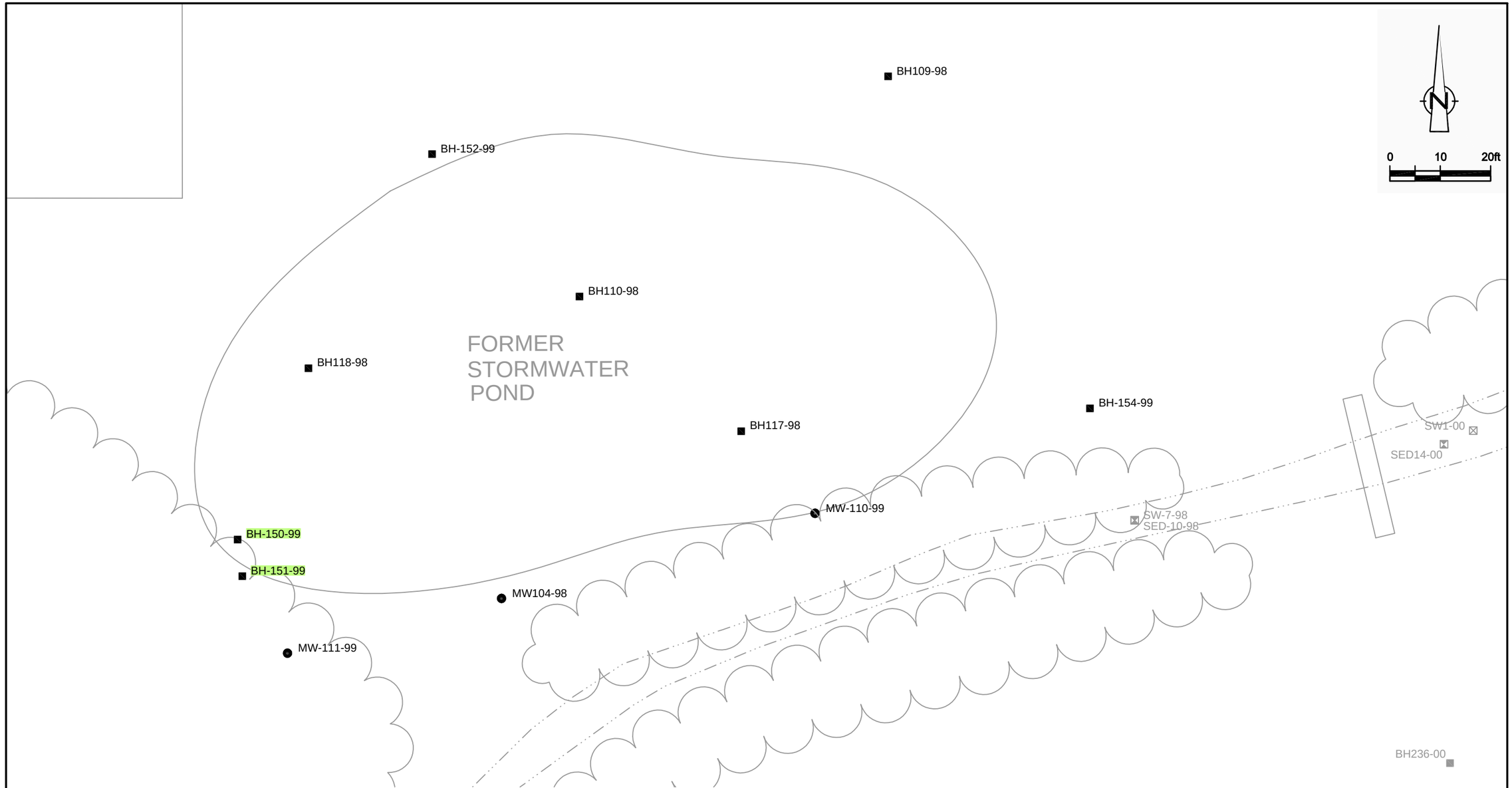


ALL DETECTS ARE FOR AROCLOR-1248, EXCEPT FOR
*=AROCLOR-1254, AND **=AROCLOR-1260.
WHEN DETECT IS SHOWN , ALL OTHER AROCLORS WERE NON-DETECT.
BGS= BELOW GROUND SURFACE
()=NON DETECT

figure 3.4.2

PCB SOIL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA032 JAN 11/2001



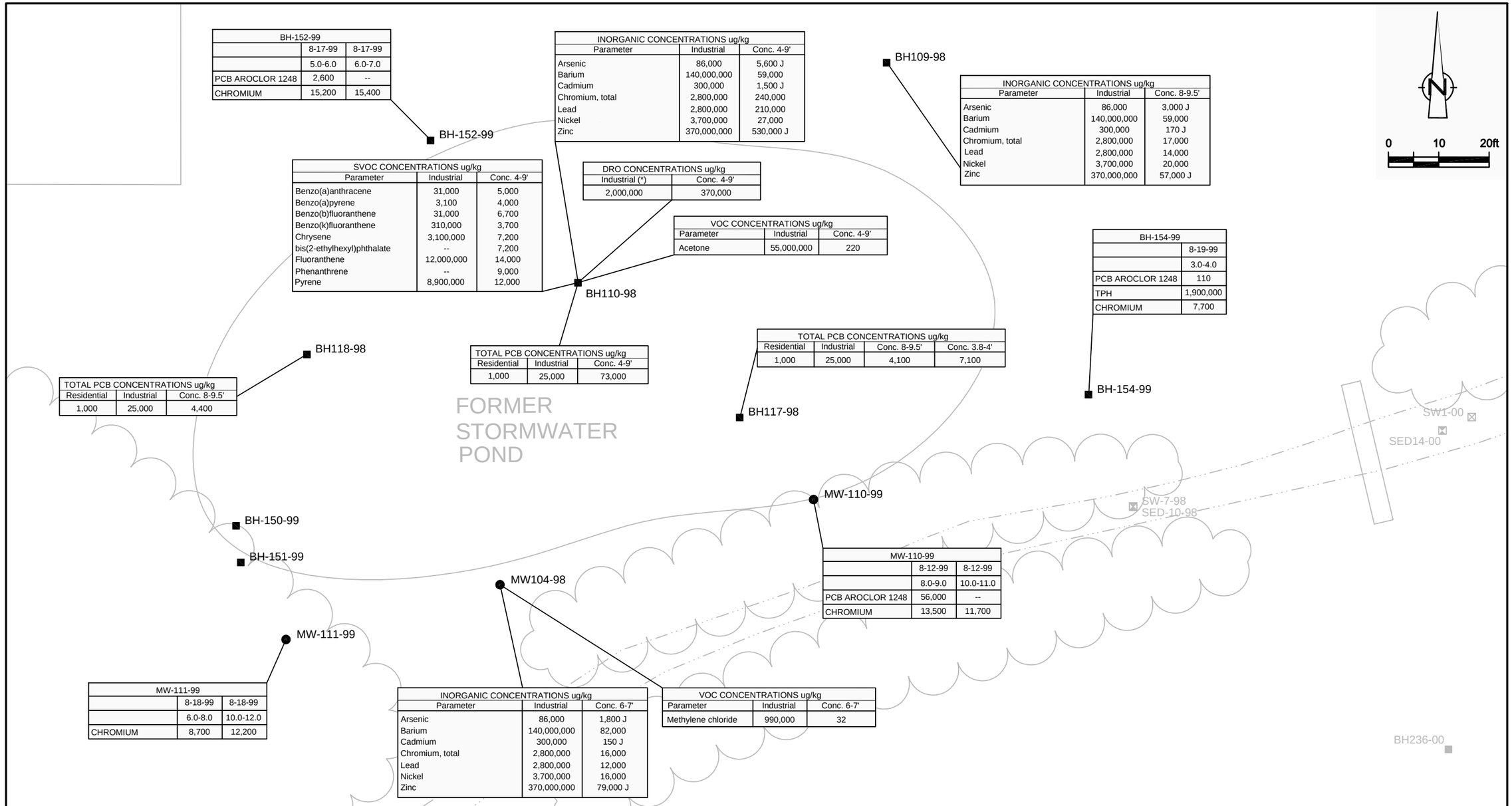
LEGEND

MW123-00	MONITORING WELL
BH173-00	BOREHOLE
SED15-00	SEDIMENT SAMPLE
SW2-00	SURFACE WATER SAMPLE
	BOREHOLE NOT SAMPLED, OBSTRUCTION ENCOUNTERED BEFORE FULL DEPTH ACHIEVED

figure 3.5.1

SAMPLE LOCATIONS
FORMER STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA008 JAN 11/2001



LEGEND

MW123-00 MONITORING WELL

BH173-00 BOREHOLE

NOTES:

INDUSTRIAL - OHIO INDUSTRIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM

(*) - TOTAL PETROLEUM HYDROCARBON SOIL SATURATION CONCENTRATION FOR MIDDLE DISTILLATE PETROLEUM FRACTION IN SAND AND GRAVEL OR UNKNOWN SOIL TYPES

RESIDENTIAL - OHIO RESIDENTIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM

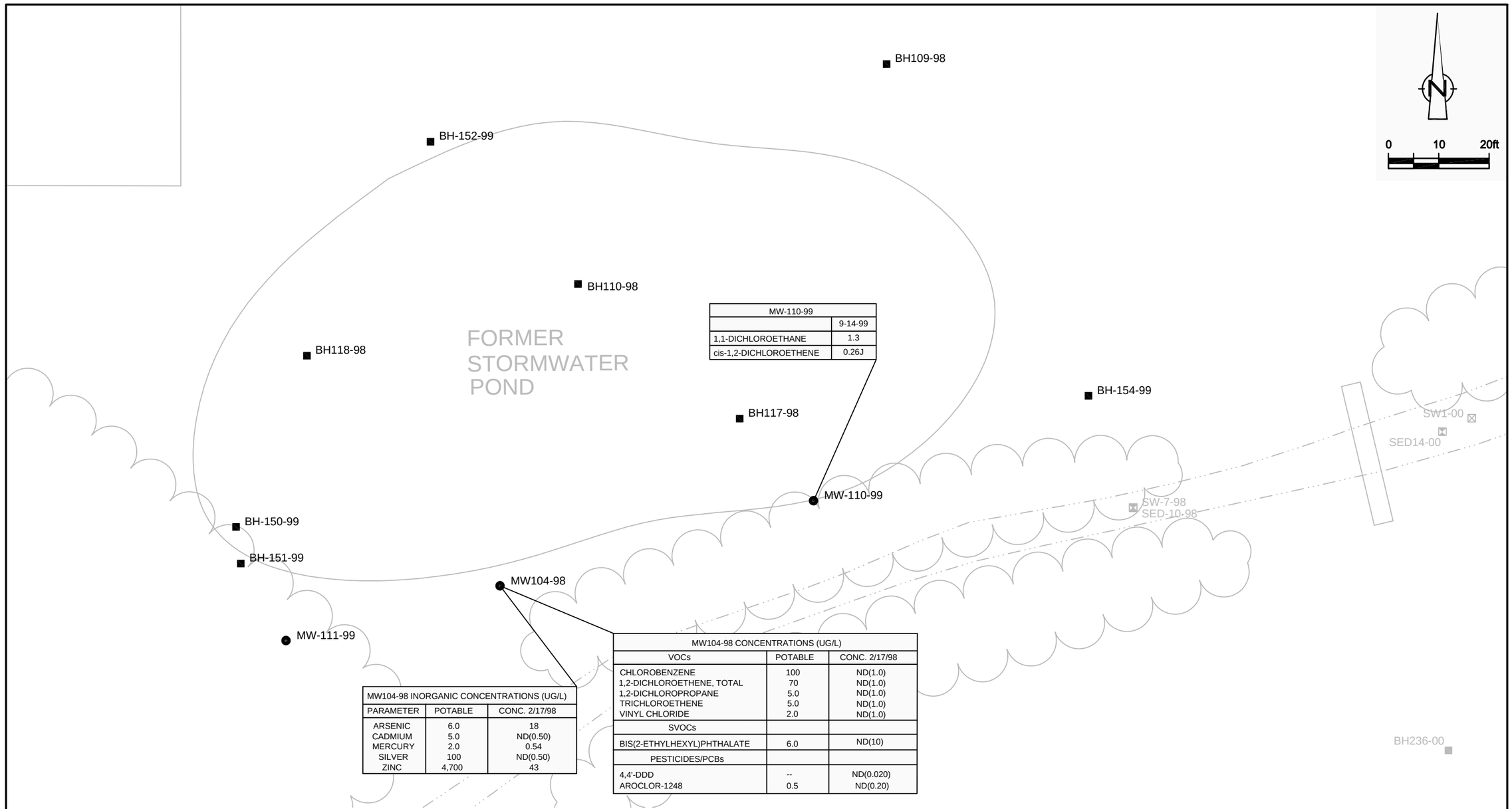
TPH - TOTAL PETROLEUM HYDROCARBONS
SVOC - SEMI VOLATILE ORGANIC COMPOUND
DRO - DIESEL RANGE ORGANICS

MW 109-99 — SAMPLE LOCATION
8-12-99 — SAMPLE DATE
14.0-15.0 — SAMPLE DEPTH (ft.)
TPH 56,000 — CONCENTRATION (ug/kg) COMPOUND

figure 3.5.2

SOIL DETECTIONS
FORMER STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA042 JAN 11/2001



MW-110-99	
	9-14-99
1,1-DICHLOROETHANE	1.3
cis-1,2-DICHLOROETHENE	0.26J

MW104-98 INORGANIC CONCENTRATIONS (UG/L)

PARAMETER	POTABLE	CONC. 2/17/98
ARSENIC	6.0	18
CADMIUM	5.0	ND(0.50)
MERCURY	2.0	0.54
SILVER	100	ND(0.50)
ZINC	4,700	43

MW104-98 CONCENTRATIONS (UG/L)

VOCs	POTABLE	CONC. 2/17/98
CHLOROBENZENE	100	ND(1.0)
1,2-DICHLOROETHENE, TOTAL	70	ND(1.0)
1,2-DICHLOROPROPANE	5.0	ND(1.0)
TRICHLOROETHENE	5.0	ND(1.0)
VINYL CHLORIDE	2.0	ND(1.0)
SVOCs		
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	ND(10)
PESTICIDES/PCBs		
4,4'-DDD	--	ND(0.020)
AROCLOR-1248	0.5	ND(0.20)

LEGEND

- MW123-00 — MONITORING WELL
- BH173-00 — BOREHOLE

NOTES:

POTABLE - OHIO GENERIC UNRESTRICTED POTABLE USE STANDARDS, PROPOSED ADMINISTRATIVE RULES FOR THE OHIO VOLUNTARY ACTION PLAN

SILVER STANDARD VALUE IS THE SECONDARY MAXIMUM CONTAMINANT LEVEL, OHIO ADMINISTRATIVE CODE, 3745-82

J - CONCENTRATION IS AN ESTIMATED VALUE, RESULT IS LESS THAN REPORTING LIMIT

SVOC - SEMI VOLATILE ORGANIC COMPOUND

VOC - VOLATILE ORGANIC COMPOUND

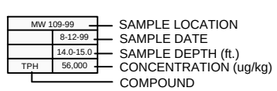


figure 3.5.3

GROUNDWATER DETECTIONS
FORMER STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA043 JAN 11/2001

MW-117-99

FILL SOIL PILE

BH238-00

0 20 50ft

BH103-98

BH102-98

BH133-98

BH101-98

BH132-98

SW-6-99

HA-F6-00

P2-98

BH126-98

BH137-98

TP3-98

BH125-98

BH134-98

BH127-98

GT1-00

FORMER DISPOSAL AREA

BH124-98

BH138A-98

HA-F5-00

MW-1

BH136-98

BH138-98

BH123-98

BH135-98

BH122-98

MW101-98

SED-2-98

BH121-98

BH129-98

BH131-98

MW102-98

BH119-98

BH139-98

GT2-00

MW-2

HA-F4-00

BH120-98

BH130-98

MW103-98

SW-9-98

SED-11-98

SED-3-89

SED-2-89

SW-2-89

BH128-98

TP8A-99

TP8-99

TP-K4-00

MW-121-99

TP-L4-00

TP7-99

TP-M4--00

LCH-1-98

SW-5-99

SED-5-89

HA-F3-00

TP14-99

SW-1-98

SED-1-98

MW-3

LEGEND

MW123-00 MONITORING WELL

BH173-00 BOREHOLE / SOIL SAMPLE LOCATION

LCH-1-90 LEACHATE SAMPLE

BOREHOLE NOT SAMPLED, OBSTRUCTION ENCOUNTERED BEFORE FULL DEPTH ACHIEVED

figure 3.6.1

SAMPLE LOCATIONS
FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA007 JAN 11/2001

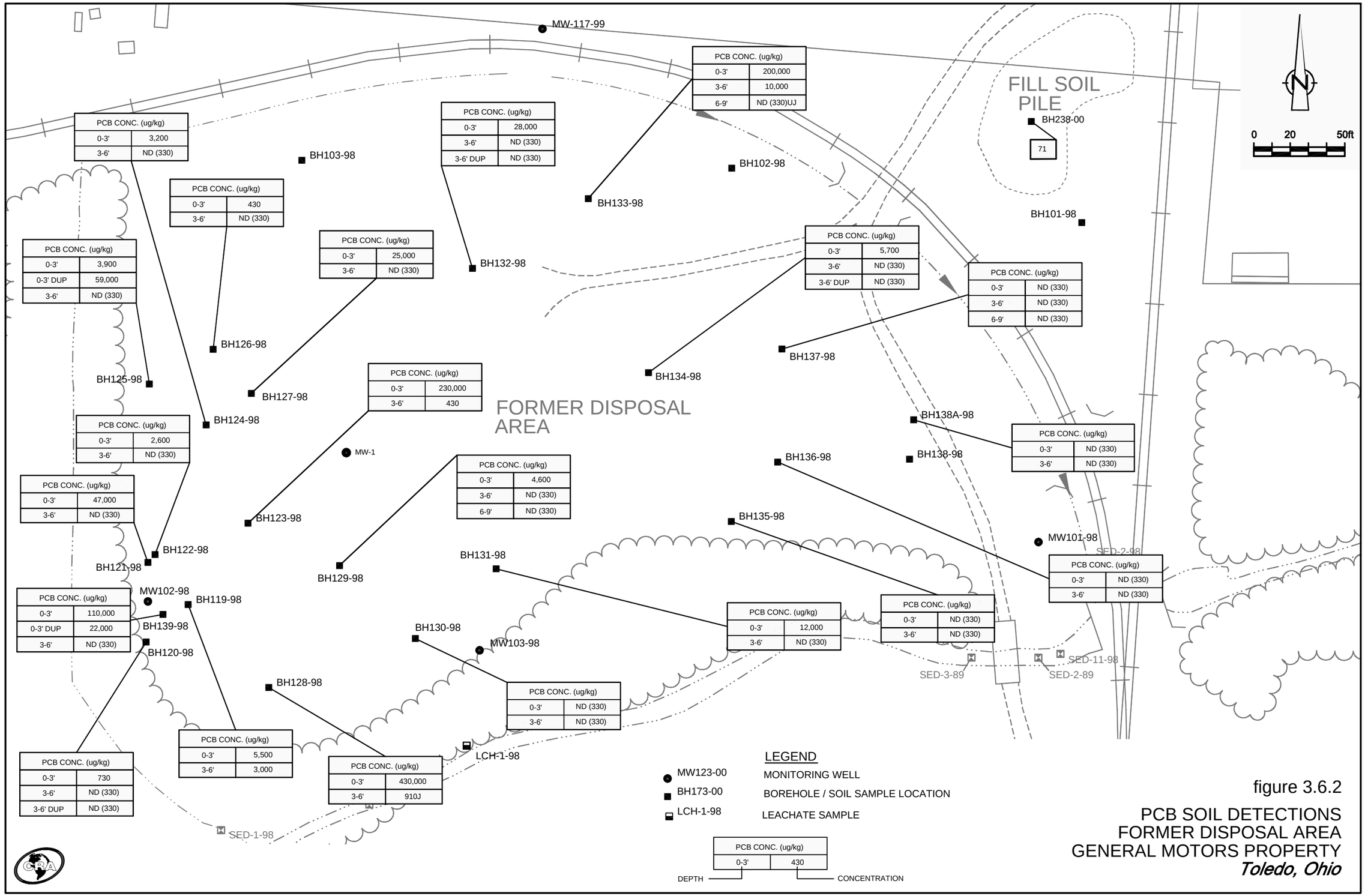


figure 3.6.2

PCB SOIL DETECTIONS
FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA039 JAN 11/2001

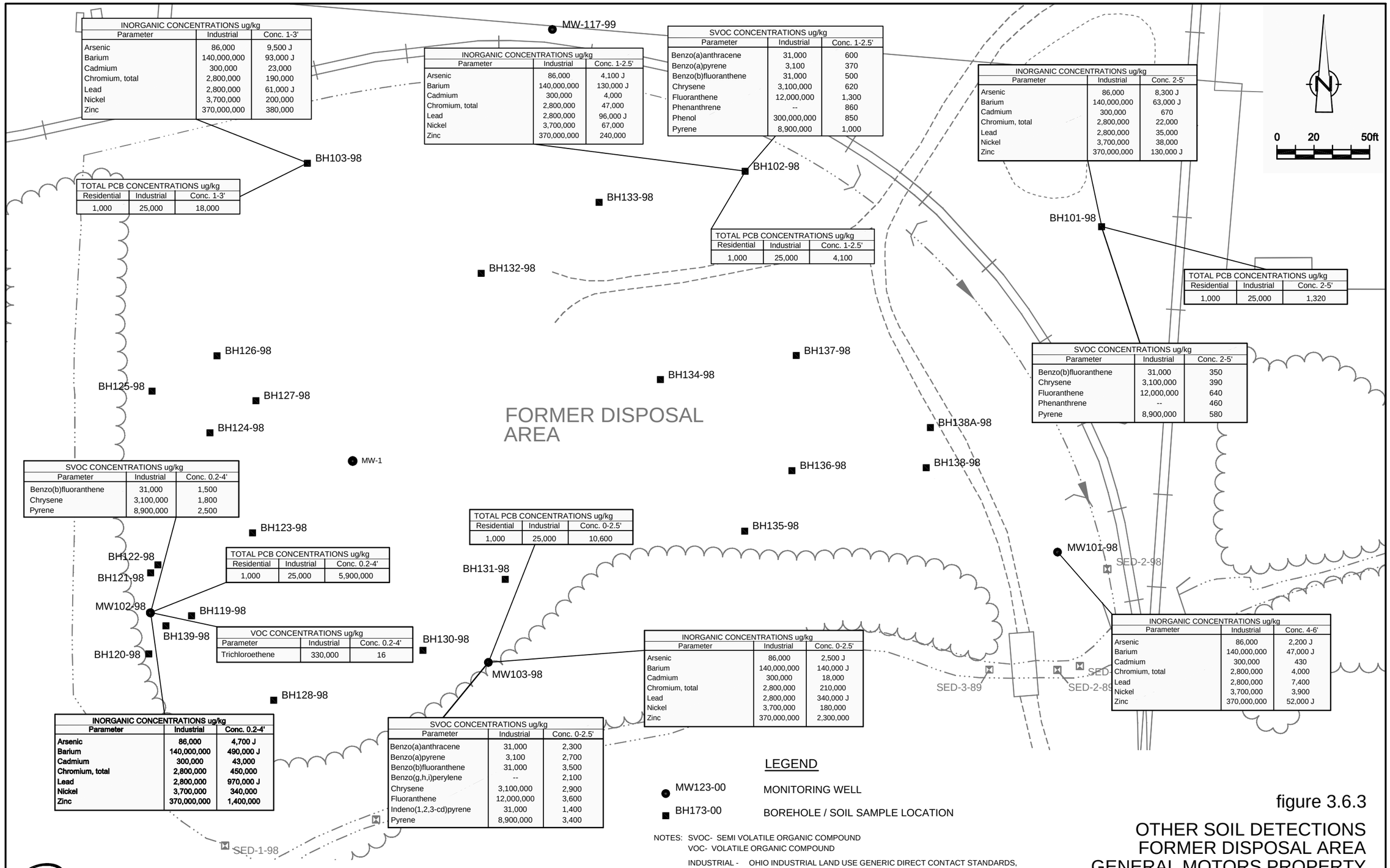


figure 3.6.3

OTHER SOIL DETECTIONS FORMER DISPOSAL AREA GENERAL MOTORS PROPERTY *Toledo, Ohio*

12609-08(019)GN-WA038 JAN 11/2001

MW-117-99

BH103-98

BH102-98

FILL SOIL PILE

BH238-00

BH101-98

N

0 20 50ft

CONCENTRATIONS (UG/L)		
VOCs	POTABLE	CONC. 2/17/98
CHLOROBENZENE	100	ND(1.0)
1,2-DICHLOROETHENE, TOTAL	70	18
1,2-DICHLOROPROPANE	5.0	ND(1.0)
TRICHLOROETHENE	5.0	9.2
VINYL CHLORIDE	2.0	ND(1.0)
SVOCs		
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	18
PESTICIDES/PCBs		
4,4'-DDD	--	ND(0.020)
AROCLOR-1248	0.5	ND(0.20)

INORGANIC CONCENTRATIONS (UG/L)		
PARAMETER	POTABLE	CONC. 2/17/98
ARSENIC	6.0	ND(5.0)
CADMIUM	5.0	ND(0.50)
MERCURY	2.0	0.68
SILVER	100	ND(0.50)
ZINC	4,700	20

BH126-98

BH125-98

BH127-98

BH124-98

INORGANIC CONCENTRATIONS (UG/L)		
PARAMETER	POTABLE	CONC. 2/16/98
ARSENIC	6.0	ND(5.0)
CADMIUM	5.0	ND(0.50)
MERCURY	2.0	0.36
SILVER	100	ND(0.50) UJ
ZINC	4,700	ND(20)

BH123-98

BH122-98

BH121-98

MW102-98

BH119-98

BH139-98

BH120-98

CONCENTRATIONS (UG/L)		
VOCs	POTABLE	CONC. 2/16/98
CHLOROBENZENE	100	ND(25)
1,2-DICHLOROETHENE, TOTAL	70	1,200
1,2-DICHLOROPROPANE	5.0	ND(25)
TRICHLOROETHENE	5.0	67
VINYL CHLORIDE	2.0	110
SVOCs		
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	ND(10)
PESTICIDES/PCBs		
4,4'-DDD	--	0.073
AROCLOR-1248	0.5	21

SED-1-98

MW-1

FORM AREA

CONCENTRATIONS (UG/L)		
VOCs	POTABLE	CONC. 2/16/98
CHLOROBENZENE	100	2.2
1,2-DICHLOROETHENE, TOTAL	70	2.3
1,2-DICHLOROPROPANE	5.0	ND(1.0)
TRICHLOROETHENE	5.0	1.6
VINYL CHLORIDE	2.0	ND(1.0)
SVOCs		
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	ND(10)
PESTICIDES/PCBs		
4,4'-DDD	--	ND(0.020)
AROCLOR-1248	0.5	1.1

BH134-98

BH137-98

BH138A-98

BH138-98

BH129-98

BH131-98

BH130-98

MW103-98

INORGANIC CONCENTRATIONS (UG/L)		
PARAMETER	POTABLE	CONC. 2/16/98
ARSENIC	6.0	5.2
CADMIUM	5.0	ND(0.50)
MERCURY	2.0	0.45
SILVER	100	ND(0.50) UJ
ZINC	4,700	ND(20)

CONCENTRATIONS (UG/L)		
VOCs	POTABLE	CONC. 2/16/98
CHLOROBENZENE	100	ND(2.0)
1,2-DICHLOROETHENE, TOTAL	70	96
1,2-DICHLOROPROPANE	5.0	6.3
TRICHLOROETHENE	5.0	69
VINYL CHLORIDE	2.0	12
SVOCs		
BIS(2-ETHYLHEXYL)PHTHALATE	6.0	ND(10)
PESTICIDES/PCBs		
4,4'-DDD	--	ND(0.020)
AROCLOR-1248	0.5	ND(0.20)

MW101-98

SED-2-98

1-98

INORGANIC CONCENTRATIONS (UG/L)		
PARAMETER	POTABLE	CONC. 2/16/98
ARSENIC	6.0	ND(5.0)
CADMIUM	5.0	ND(0.50)
MERCURY	2.0	0.5
SILVER	100	ND(0.50) UJ
ZINC	4,700	ND(20)

LEGEND

MW123-00 MONITORING WELL

BH173-00 BOREHOLE / SOIL SAMPLE LOCATION

NOTES:

VOC- VOLATILE ORGANIC COMPOUND

SVOC- SEMI VOLATILE ORGANIC COMPOUND

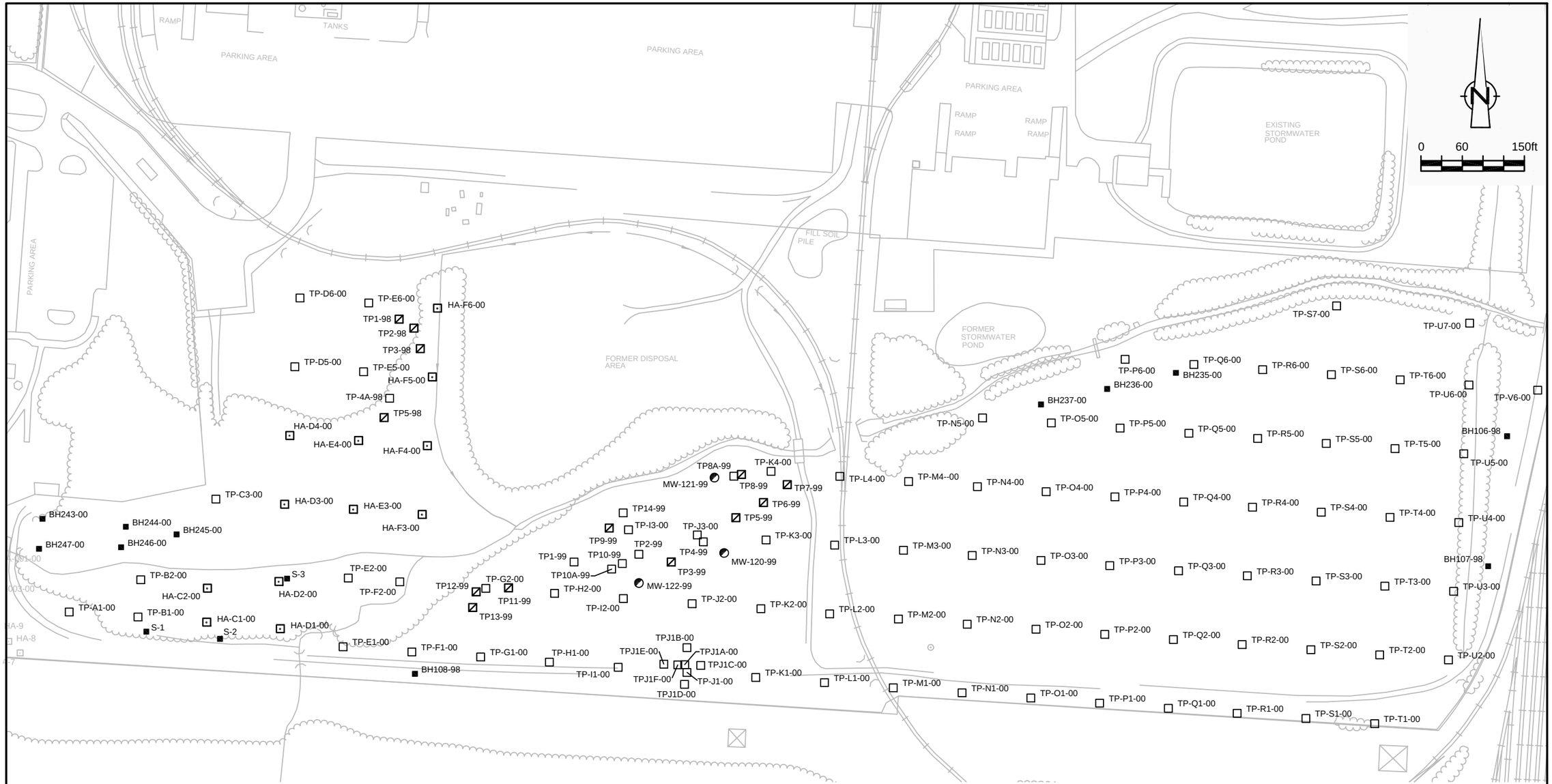
POTABLE - OHIO GENERIC UNRESTRICTED POTABLE USE STANDARDS, PROPOSED ADMINISTRATIVE RULES FOR THE OHIO VOLUNTARY ACTION PLAN

figure 3.6.4

GROUNDWATER DETECTIONS FORMER DISPOSAL AREA GENERAL MOTORS PROPERTY *Toledo, Ohio*

CRA

12609-08(019)GN-WA040 JAN 11/2001



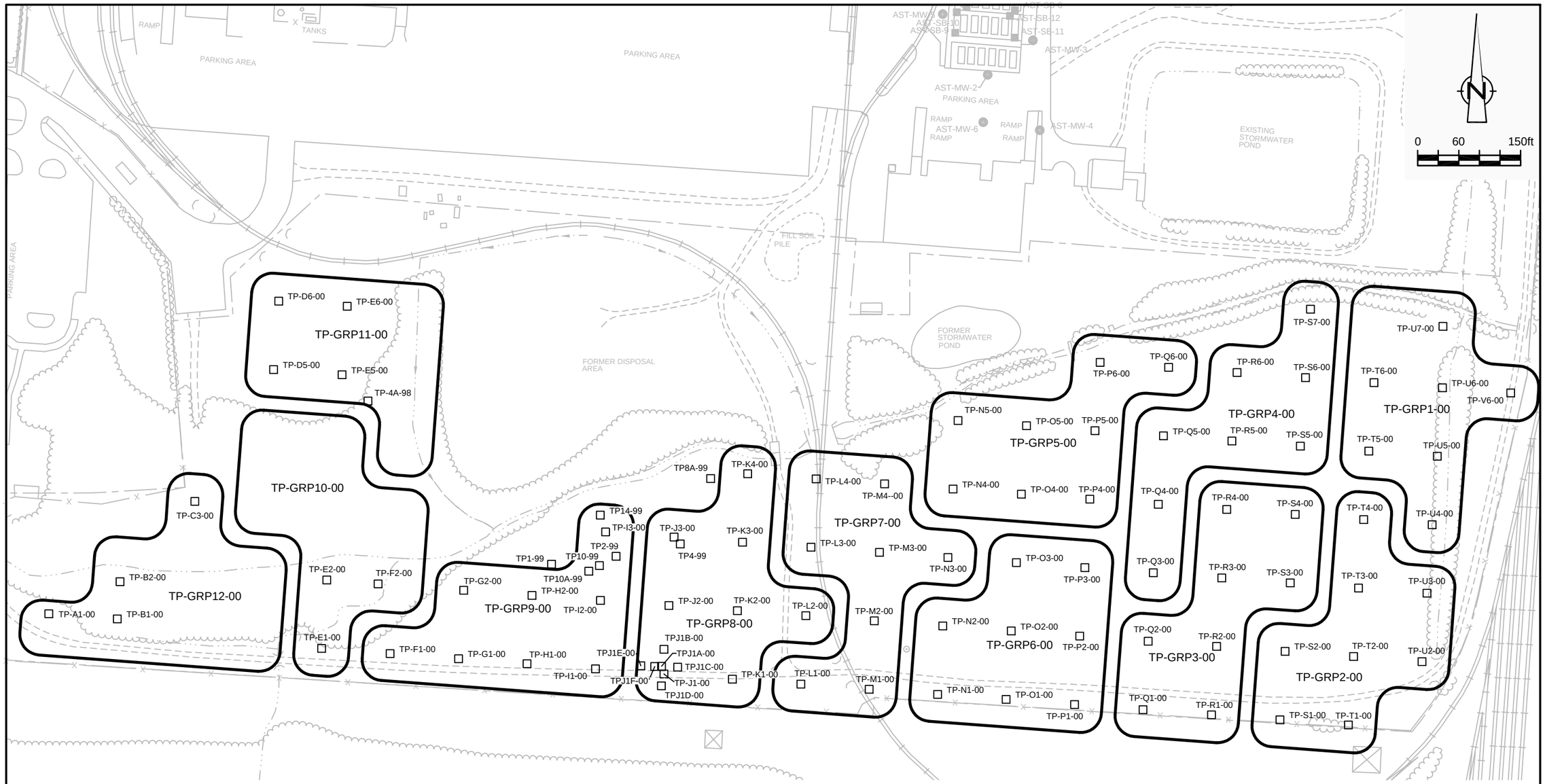
LEGEND

■ BH173-00	BOREHOLE / SOIL SAMPLE
⊡ HA-F3-00	HAND AUGER
□ TP-J3-00	TEST PIT
▨ TP5-99	TEST PIT, NOT SAMPLED
◒ MW-120-99	MONITORING WELL, NOT SAMPLED

figure 3.7.1

SAMPLE LOCATIONS
AREA SOUTH OF CREEK/AREA WEST OF FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA010 JAN 11/2001



LEGEND

TP-J3-00 TEST PIT

TP-GRP10-00 TEST PIT GROUPING

figure 3.7.2

TEST PIT SAMPLE GROUPINGS
AREA SOUTH OF CREEK/AREA WEST OF FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA013 JAN 11/2001

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Concentration
Arsenic	86,000	1,100 J
Barium	140,000,000	15,000 J
Cadmium	300,000	370
Chromium, total	2,800,000	3,000
Lead	2,800,000	2,600 J
Nickel	3,700,000	3,100
Zinc	370,000,000	27,000

TEST PIT #14	
	10-06-99
	0.0-2.0
ACETONE	62
BENZENE	0.95J
CARBON DISULFIDE	2.4J
ETHYLBENZENE	0.59J
TOLUENE	2.9J
TRICHLOROETHENE	0.95J
XYLENES	1.0J
BENZO(A)ANTHRACENE	130J
BENZO(A)PYRENE	140J
BENZO(B)FLUORANTHENE	190J
BENZO(G,H,I)PERYLENE	100J
BENZO(K)FLUORANTHENE	79J
CHRYSENE	160J
FLUORANTHENE	290J
INDENO(1,2,3-CD)PYRENE	100J
PHENANTHRENE	98J
PYRENE	240J

TEST PIT #8A	
	10-06-99
	0.0-1.5
ACETONE	43
BENZENE	0.85J
CARBON DISULFIDE	0.84J
ETHYLBENZENE	0.53J
TETRACHLOROETHENE	1.0J
TOLUENE	2.2J
TRICHLOROETHENE	1.0J

TEST PIT #10 & #10A	
	10-06-99
	1.0-2.0
ACETONE	64
2-BUTANONE	8.6J
TOLUENE	1.3J
TRICHLOROETHENE	1.0J

TEST PIT #4	
	10-06-99
	0.0-2.0
TOLUENE	6.3
ACETONE	16J
BENZENE	2.1J
CARBON DISULFIDE	3.0J
ETHYLBENZENE	1.8J
TRICHLOROETHENE	0.86J
XYLENES	4.5J
BENZO(B)FLUORANTHENE	42J
CHRYSENE	39J
FLUORANTHENE	47J
PYRENE	43J

TOTAL PCB CONCENTRATIONS ug/kg		
Residential	Industrial	Conc. 1.5-2.3'
1,000	25,000	2,100

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 1.5-2.3'
Arsenic	86,000	2,500
Barium	140,000,000	74,000
Cadmium	300,000	150
Chromium, total	2,800,000	25,000
Lead	2,800,000	14,000
Nickel	3,700,000	16,000
Zinc	370,000,000	74,000J

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 6.5-7.5'
Arsenic	86,000	720J
Barium	140,000,000	9,200
Cadmium	300,000	68J
Chromium, total	2,800,000	4,600
Lead	2,800,000	3,400
Nickel	3,700,000	3,100
Zinc	370,000,000	220,000J

INORGANIC CONCENTRATIONS ug/kg		
Parameter	Industrial	Conc. 8-9.3'
Arsenic	86,000	4,800 J
Barium	140,000,000	51,000
Cadmium	300,000	310 J
Chromium, total	2,800,000	13,000
Lead	2,800,000	13,000
Nickel	3,700,000	18,000
Zinc	370,000,000	54,000 J

LEGEND

- BH173-00 — BOREHOLE / SOIL SAMPLE
- HA-F3-00 — HAND AUGER
- TP-J3-00 — TEST PIT
- TP5-99 — TEST PIT, NOT SAMPLED
- MW-120-99 — MONITORING WELL, NOT SAMPLED

MW 109-99 — SAMPLE LOCATION
8-12-99 — SAMPLE DATE
14.0-15.0 — SAMPLE DEPTH (ft.)
TPH 56,000 — CONCENTRATION (ug/kg)
COMPOUND

J - CONCENTRATION IS AN ESTIMATED VALUE, RESULT IS LESS THAN REPORTING LIMIT

RESIDENTIAL - OHIO RESIDENTIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM

INDUSTRIAL - OHIO INDUSTRIAL LAND USE GENERIC DIRECT CONTACT STANDARDS, OHIO EPA VOLUNTARY ACTION PROGRAM

MEASURED RESULT (mg/kg) — 12000
SAMPLED INTERVAL — 1000
NON-DETECT RESULT (mg/kg) — (1000)
DEPTH (ft BGS)

ALL DETECTS ARE FOR AROCLOR-1248, EXCEPT FOR *=AROCLOR-1254, AND **=AROCLOR-1260.
WHEN DETECT IS SHOWN , ALL OTHER AROCLORS WERE NON-DETECT.
BGS= BELOW GROUND SURFACE
()=NON DETECT
A GREY/BLACK MATERIAL
B AQUA COLOURED MATERIAL
C METAL SHAVINGS

figure 3.7.3

SOIL DETECTIONS
AREA SOUTH OF CREEK/AREA WEST OF FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA041 JAN 11/2001



LEGEND

HA-C2-00 ◻	HAND AUGER LOCATION
TP9-99 ⊘	UNSAMPLED TEST PIT LOCATION
MW-120-99 ●	MONITORING WELL LOCATION
BH107-98 ■	BOREHOLE LOCATION

◻ TP-N2-00 — TEST PIT LOCATION
ND (37) — PCB NON-DETECT RESULT
(0-4') — DEPTH OF SAMPLE INTERVAL, BELOW GROUND SURFACE

◻ TP-M2-00 — TEST PIT LOCATION
400 — PCB DETECT RESULT
(0-4') — DEPTH OF SAMPLE INTERVAL, BELOW GROUND SURFACE

NOTE

ALL DETECTS ARE FOR AROCLOR-1254, EXCEPT
* = AROCLOR-1248, AND ** = AROCLOR-1260

figure 3.7.4

TEST PIT PCB DETECTIONS
AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA001 JAN 11/2001

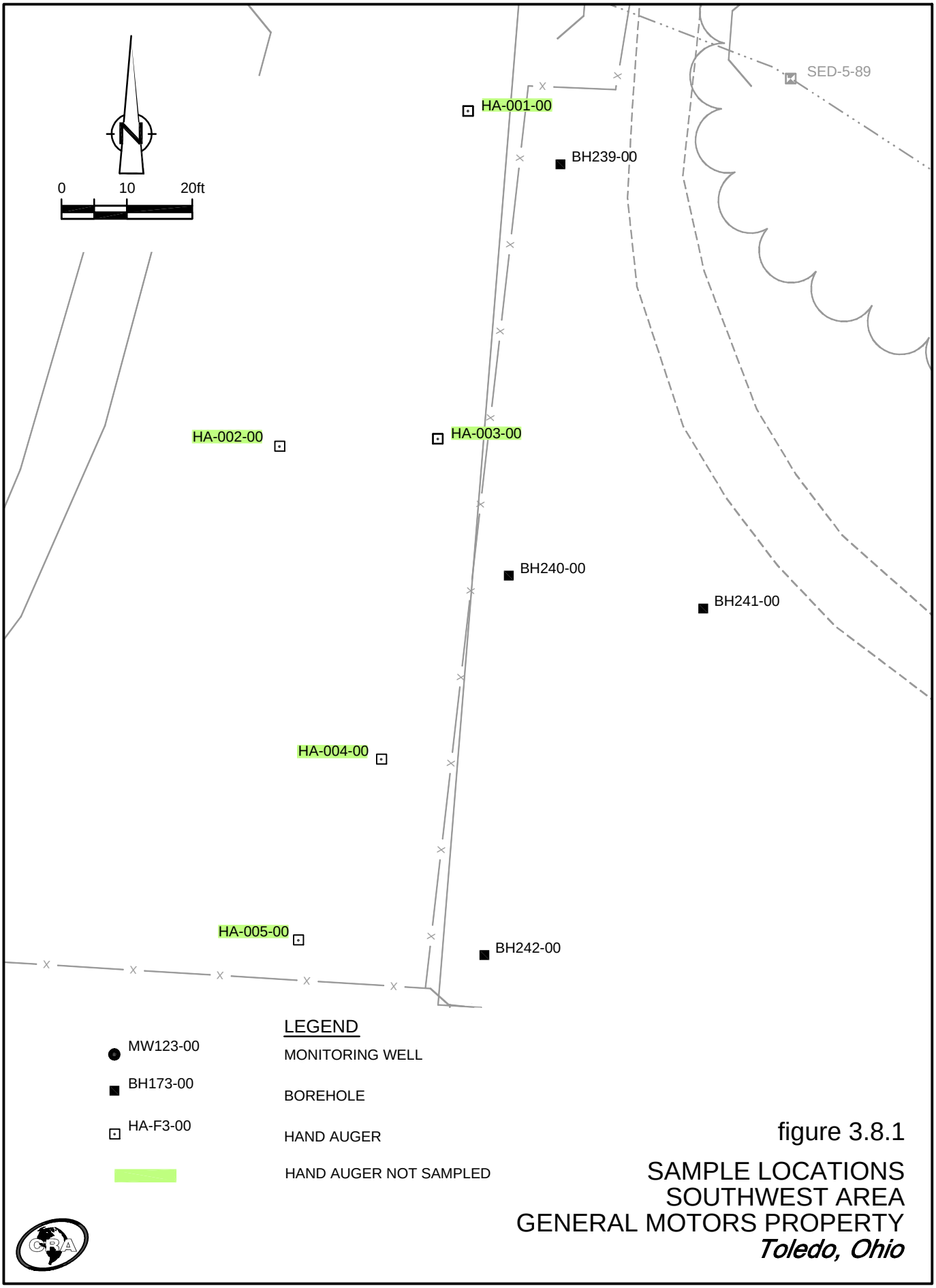
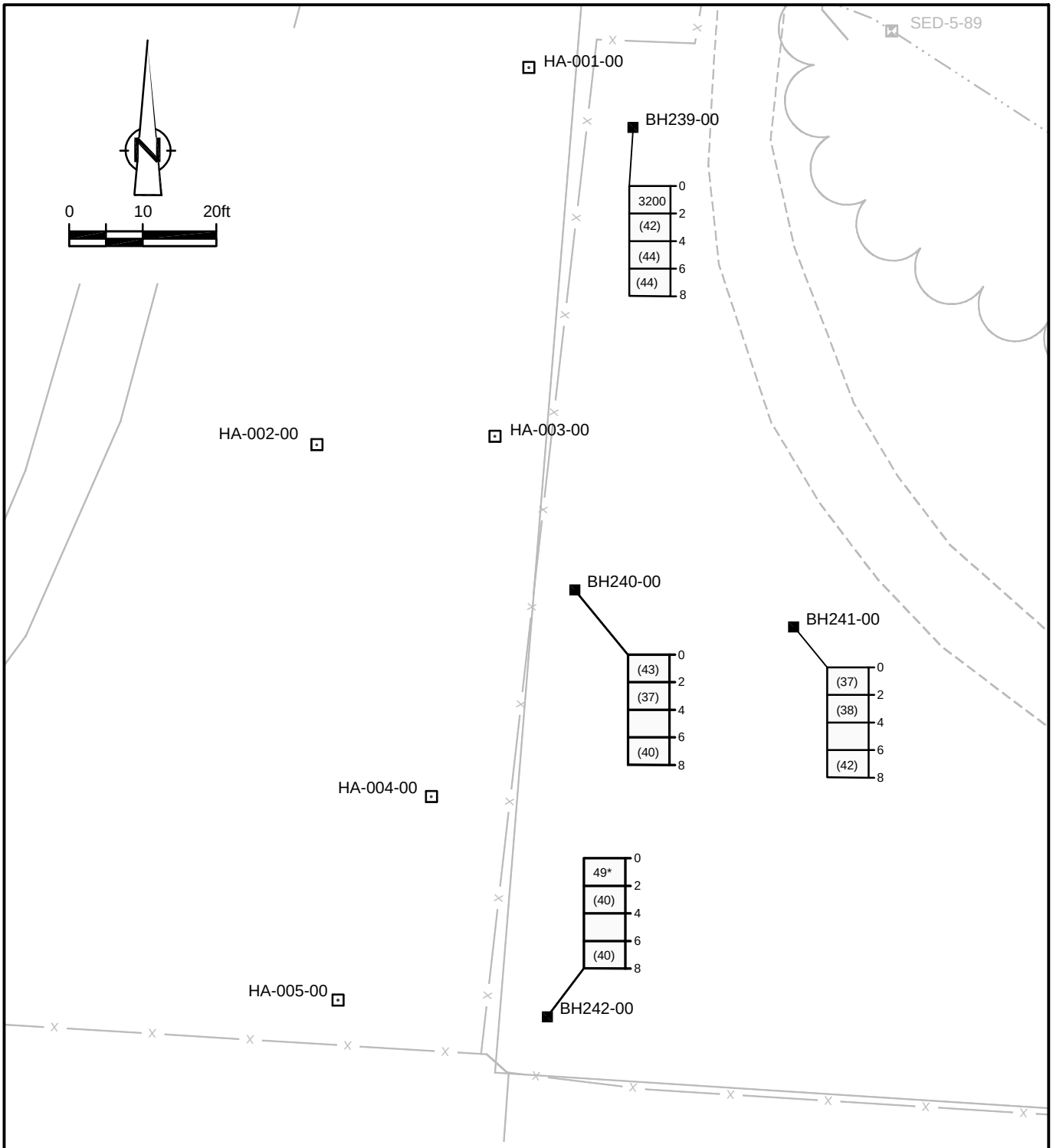


figure 3.8.1

SAMPLE LOCATIONS
SOUTHWEST AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA009 JAN 11/2001



MEASURED RESULT (ug/kg) — 12000
5000
SAMPLED INTERVAL — 1000
NON-DETECT RESULT (ug/kg) — (1000)
DEPTH (ft BGS)

BGS= BELOW GROUND SURFACE
()=NON DETECT
ALL DETECTS ARE FOR AROCLOR-1248, EXCEPT FOR
*=AROCLOR-1254, AND **=AROCLOR-1260.
WHEN DETECT IS SHOWN , ALL OTHER AROCLORS WERE NON-DETECT.

figure 3.8.2

PCB SOIL DETECTIONS SOUTHWEST AREA GENERAL MOTORS PROPERTY

Toledo, Ohio

LEGEND

MW123-00 — MONITORING WELL

BH173-00 — BOREHOLE

HA-F3-00 — HAND AUGER

CRA

12609-08(019)GN-WA033 JAN 11/2001

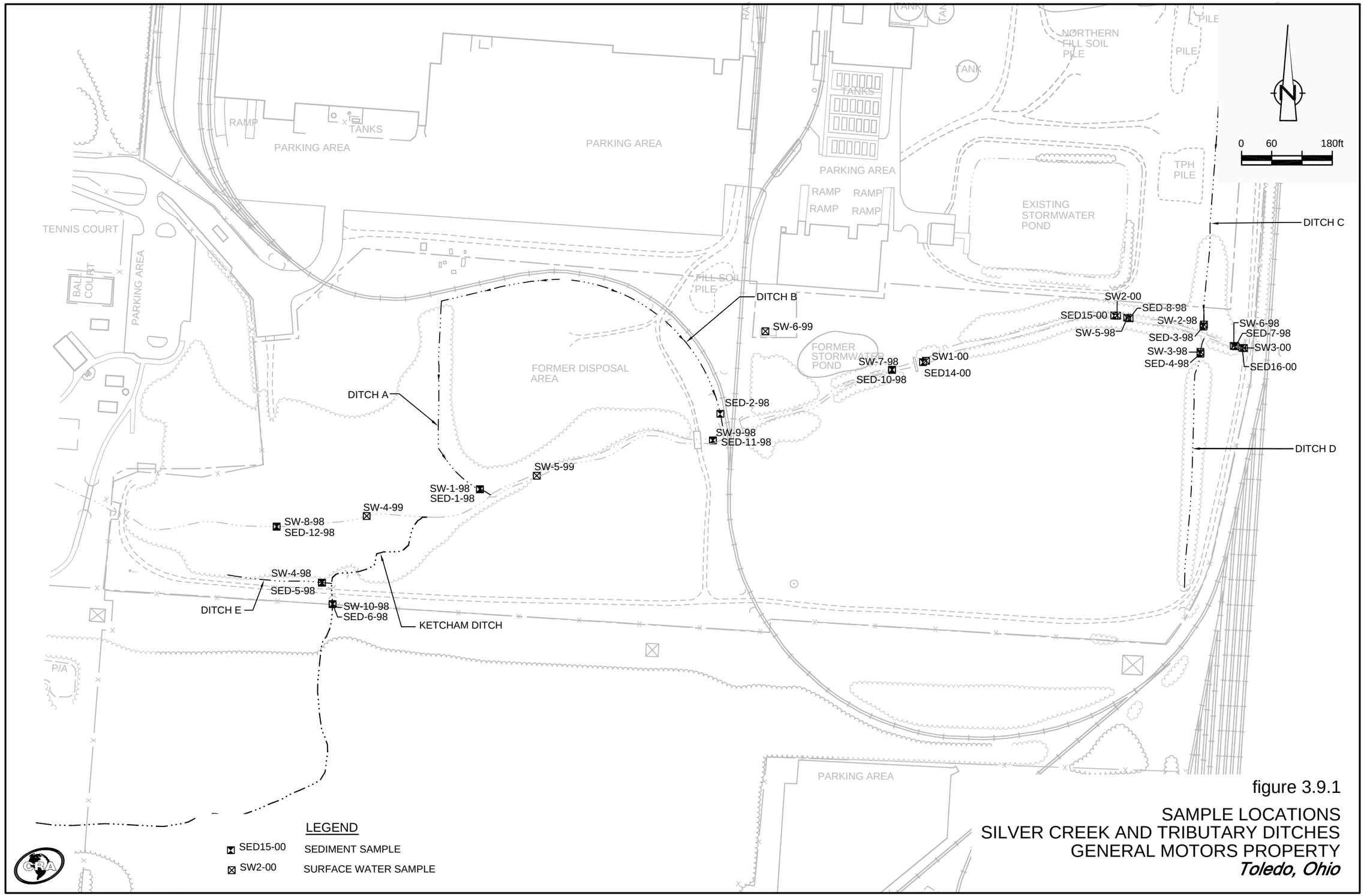


figure 3.9.1

SAMPLE LOCATIONS
SILVER CREEK AND TRIBUTARY DITCHES
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA011 JAN 11/2001

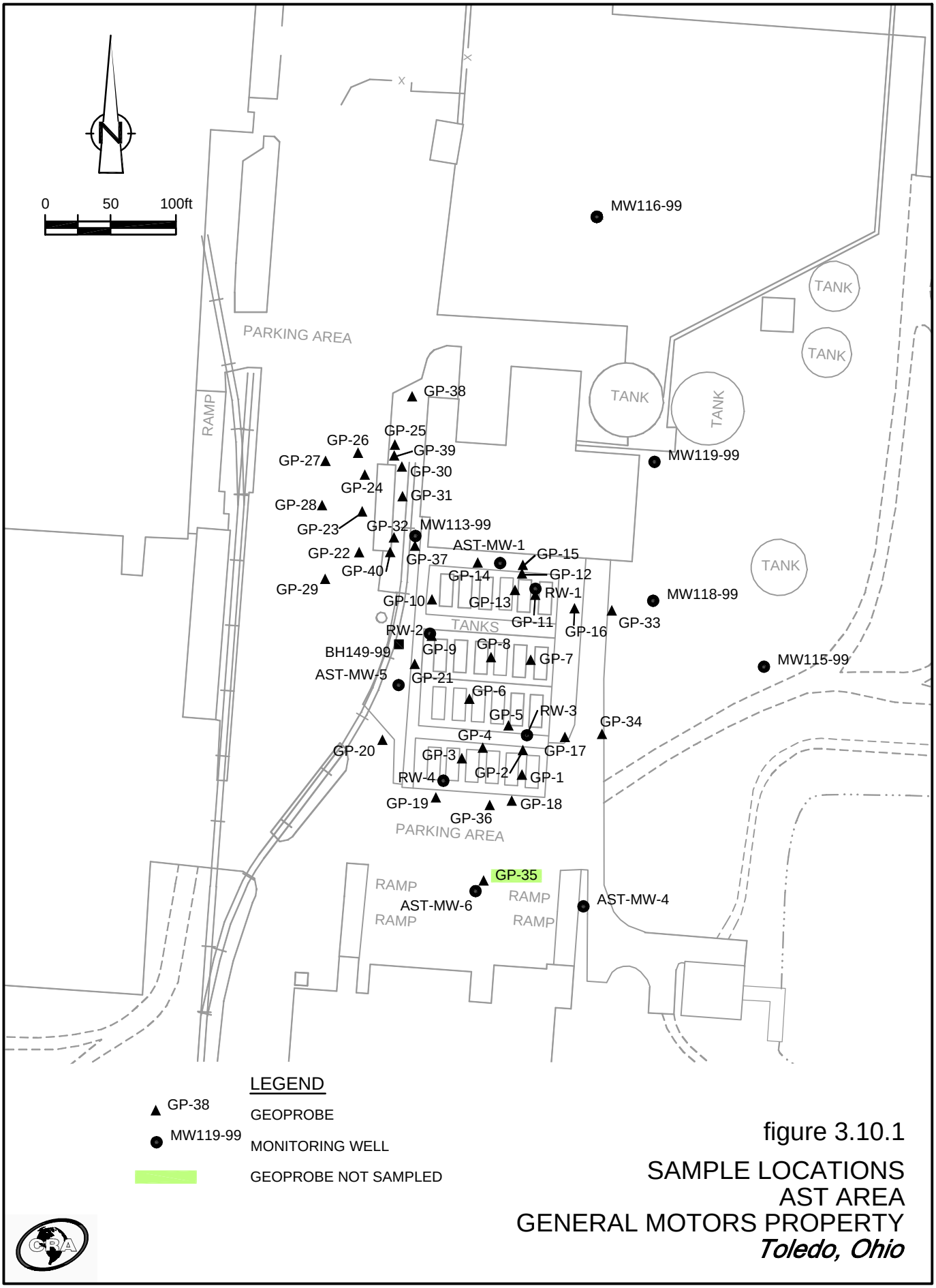


figure 3.10.1

SAMPLE LOCATIONS
AST AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA030 JAN 11/2001

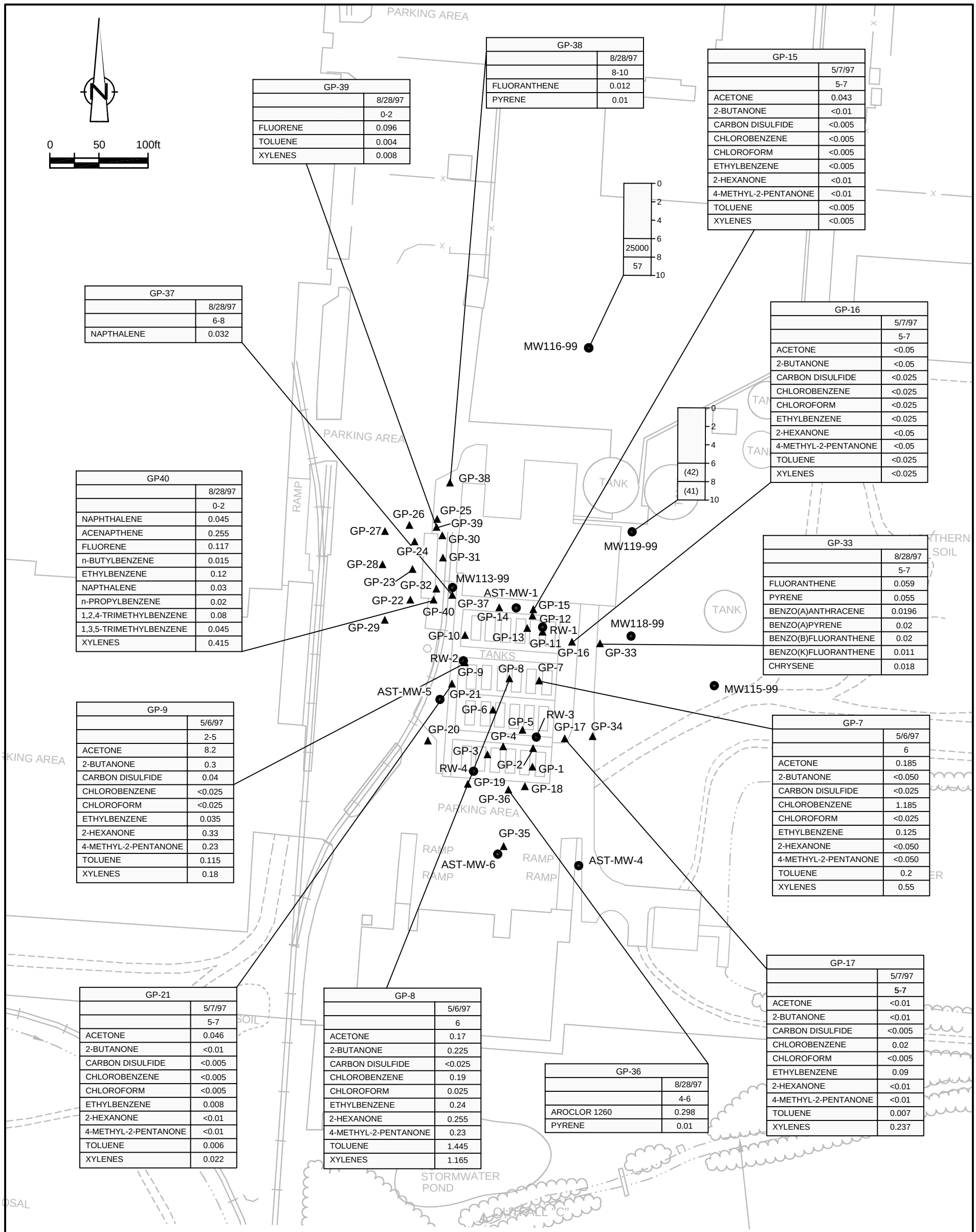


figure 3.10.2

SOIL DETECTIONS
AST AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA044 JAN 11/2001

GP-1	
	5/7/97
	5-7
ARSENIC	1.75
BARIUM	47.6
CHROMIUM	8.93
COPPER	5.63
IRON	8,330
LEAD	4.85
MERCURY	<0.10
ZINC	48.2
TPH	25.2

GP-2	
	5/7/97
	7-9
ARSENIC	2.65
BARIUM	70.9
CHROMIUM	15.9
COPPER	12.6
IRON	15,600
LEAD	7.54
MERCURY	<0.10
ZINC	54.8
TPH	<10.0

GP-3	
	5/7/97
	5-7
ARSENIC	<0.97
BARIUM	19.5
CHROMIUM	8.49
COPPER	3.86
IRON	5,120
LEAD	7.53
MERCURY	<0.10
ZINC	20.7
TPH	46

GP-4	
	5/6/97
	7-9
ARSENIC	2.79
BARIUM	88.4
CHROMIUM	16.6
COPPER	13.6
IRON	18,400
LEAD	8.18
MERCURY	<0.10
ZINC	54.7
TPH	<10.0

GP-5	
	5/6/97
	5-6
ARSENIC	<0.99
BARIUM	12.3
CHROMIUM	4.37
COPPER	4.17
IRON	4,060
LEAD	2.58
MERCURY	<0.10
ZINC	13.5
TPH	73.4

GP-6	
	5/6/97
	5-7
ARSENIC	1.58
BARIUM	13.2
CHROMIUM	3.94
COPPER	2.37
IRON	3,630
LEAD	1.97
MERCURY	<0.10
ZINC	<9.86
TPH	27,100

GP-7	
	5/6/97
	6
ARSENIC	<0.97
BARIUM	43.4
CHROMIUM	4.67
COPPER	2.92
IRON	2,880
LEAD	4.86
MERCURY	<0.10
ZINC	25.1
TPH	56,700

GP-8	
	5/6/97
	6
ARSENIC	<0.96
BARIUM	34.9
CHROMIUM	3.65
COPPER	2.11
IRON	2730
LEAD	1.54
MERCURY	<0.10
ZINC	14.8
TPH	27,800

GP-9	
	5/6/97
	2-5
ARSENIC	<1.02
BARIUM	27.6
CHROMIUM	3.46
COPPER	2.64
IRON	2,170
LEAD	1.83
MERCURY	0.24
ZINC	<10.2
TPH	35,700

GP-10	
	5/6/97
	6
ARSENIC	1.73
BARIUM	26.4
CHROMIUM	8.67
COPPER	4.62
IRON	7400
LEAD	2.89
MERCURY	<0.10
ZINC	20.6
TPH	4,900

GP-11	
	5/6/97
	5-6
ARSENIC	<0.97
BARIUM	8.32
CHROMIUM	2.71
COPPER	1.93
IRON	464
LEAD	<0.97
MERCURY	<0.10
ZINC	<9.67
TPH	56,300

GP-12	
	5/7/97
	5-7
ARSENIC	1.55
BARIUM	6.78
CHROMIUM	3.1
COPPER	1.36
IRON	3,720
LEAD	1.16
MERCURY	<0.10
ZINC	<9.69
TPH	32,900

GP-13	
	5/7/97
	5-7
ARSENIC	<1.00
BARIUM	9.44
CHROMIUM	2.41
COPPER	1.81
IRON	438
LEAD	1.41
MERCURY	<0.10
ZINC	<10.0
TPH	42,700

GP-14	
	5/7/97
	5-7
ARSENIC	3.05
BARIUM	19.6
CHROMIUM	5.71
COPPER	3.81
IRON	5330
LEAD	3.05
MERCURY	<0.10
ZINC	15.8
TPH	<10.0

GP-15	
	5/7/97
	5-7
ARSENIC	<0.99
BARIUM	8.75
CHROMIUM	3.18
COPPER	1.99
IRON	2330
LEAD	2.98
MERCURY	<0.10
ZINC	30.6
TPH	17.8

GP-16	
	5/7/97
	5-7
ARSENIC	<0.98
BARIUM	15.4
CHROMIUM	3.74
COPPER	2.17
IRON	4040
LEAD	1.57
MERCURY	<0.10
ZINC	27.6
TPH	13,200

GP-17	
	5/7/97
	5-7
ARSENIC	<0.98
BARIUM	16.1
CHROMIUM	3.74
COPPER	1.97
IRON	2,600
LEAD	<0.98
MERCURY	<0.10
ZINC	<9.84
TPH	24,900

GP-18	
	5/7/97
	5-7
ARSENIC	2.37
BARIUM	47.2
CHROMIUM	16.8
COPPER	8.7
IRON	11,600
LEAD	5.34
MERCURY	<0.10
ZINC	35.4
TPH	98.3

GP-19	
	5/7/97
	5-7
ARSENIC	1.75
BARIUM	13.1
CHROMIUM	8.58
COPPER	3.9
IRON	4,420
LEAD	2.53
MERCURY	<0.10
ZINC	11.7
TPH	4,460

GP-20	
	5/7/97
	5-7
ARSENIC	2.35
BARIUM	19.4
CHROMIUM	21.5
COPPER	6.85
IRON	6,420
LEAD	2.74
MERCURY	<0.10
ZINC	14.5
TPH	<10.0

GP-21	
	5/7/97
	5-7
ARSENIC	1.82
BARIUM	68.5
CHROMIUM	5.45
COPPER	28.9
IRON	6380
LEAD	17.2
MERCURY	<0.10
ZINC	428
TPH	19,500

GP-22	
	5/7/97
	3-5
ARSENIC	<0.98
BARIUM	7.44
CHROMIUM	3.33
COPPER	1.76
IRON	2700
LEAD	<0.98
MERCURY	<0.10
ZINC	<9.78
TPH	<10.0

GP-23	
	5/7/97
	3-5
ARSENIC	<1.00
BARIUM	7.39
CHROMIUM	3.39
COPPER	1.6
IRON	2830
LEAD	<1.00
MERCURY	<0.10
ZINC	<9.98
TPH	<10.0

GP-24	
	5/7/97
	5-7
ARSENIC	2.84
BARIUM	11.6
CHROMIUM	4.46
COPPER	4.87
IRON	5,660
LEAD	3.85
MERCURY	<0.10
ZINC	17.2
TPH	<10.0

GP-25	
	5/7/97
	7-9
ARSENIC	<1.01
BARIUM	15.3
CHROMIUM	4.43
COPPER	2.82
IRON	3,660
LEAD	2.21
MERCURY	<0.10
ZINC	11.3
TPH	<10.0

GP-26	
	5/7/97
	7-9
ARSENIC	1.81
BARIUM	26.9
CHROMIUM	7.23
COPPER	5.02
IRON	6,710
LEAD	3.61
MERCURY	<0.10
ZINC	19.9
TPH	<10.0

GP-27	
	5/7/97
	3-5
ARSENIC	<1.02
BARIUM	7.96
CHROMIUM	3.47
COPPER	1.84
IRON	3,020
LEAD	<1.02
MERCURY	<0.10
ZINC	<10.2
TPH	<10.0

GP-28	
	5/7/97
	5-6
ARSENIC	2.01
BARIUM	59.6
CHROMIUM	14.1
COPPER	9.26
IRON	12,200
LEAD	6.24
MERCURY	<0.10
ZINC	36.4
TPH	<10.0

GP-29	
	5/7/97
	7-9
ARSENIC	1.92
BARIUM	8.25
CHROMIUM	3.65
COPPER	3.26
IRON	4,410
LEAD	2.5
MERCURY	<0.10
ZINC	13.2
TPH	<10.0

GP-30	
	5/7/97
	3-5
ARSENIC	2.13
BARIUM	12.4
CHROMIUM	3.29
COPPER	2.13
IRON	3,390
LEAD	1.74
MERCURY	<0.10
ZINC	<9.69
TPH	64,300

GP-31	
	5/8/97
	7-9
ARSENIC	3.46
BARIUM	18.5
CHROMIUM	3.65
COPPER	<0.96
IRON	3,460
LEAD	1.54
MERCURY	<0.10
ZINC	<9.62
TPH	50.6

GP-32	
	5/8/97
	5-7
ARSENIC	1.76
BARIUM	42.6
CHROMIUM	11.1
COPPER	6.25
IRON	9,450
LEAD	4.49
MERCURY	<0.10
ZINC	26.2
TPH	22,700

GP-33	
	8/28/97
	5-7
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	<10.0

GP-34	
	8/28/97
	3-5
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	<10.0

GP-36	
	8/28/97
	4-6
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	988

GP-37	
	8/28/97
	6-8
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	27,900

GP-38	
	8/28/97
	8-10
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	<10.0

GP-39	
	8/28/97
	0-2
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	30,000

GP-40	
	8/28/97
	0-2
ARSENIC	-
BARIUM	-
CHROMIUM	-
COPPER	-
IRON	-
LEAD	-
MERCURY	-
ZINC	-
TPH	28,000

MW116-99
MW119-99
MW113-99
MW118-99
MW115-99
AST-MW-1
AST-MW-5
AST-MW-6
AST-MW-4
RW-1
RW-2
RW-3
RW-4
GP-38
GP-25
GP-26
GP-39
GP-27
GP-30
GP-24
GP-31
GP-28
GP-23
GP-32
GP-22
GP-37
GP-40
GP-29
GP-15
GP-14
GP-12
GP-10
GP-13
GP-11
GP-16
GP-33
GP-9
GP-8
GP-7
GP-21
GP-6
GP-5
GP-34
GP-20
GP-4
GP-17
GP-3
GP-2
GP-1
GP-19
GP-18
GP-36
GP-35

TANK
TANK
TANK
TANKS
RAMP
RAMP
RAMP
RAMP
PARKING AREA
FORMER STORM POND
HEAT "R"

0 50 100ft

LEGEND

▲ GP-38 GEOPROBE

● MW119-99 MONITORING WELL

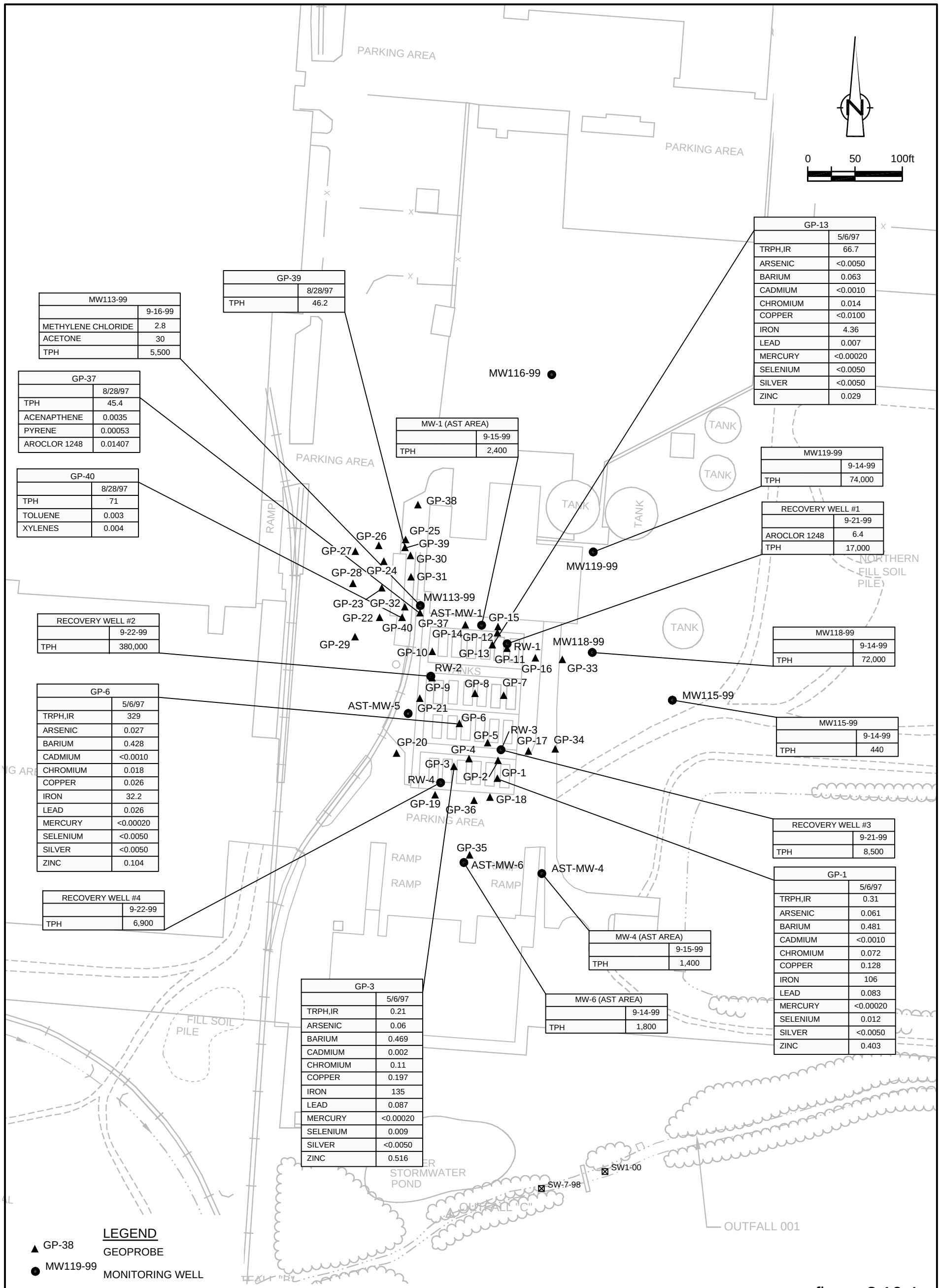
GP-37 — SAMPLE LOCATION
8/28/97 — SAMPLE DATE
6-8 — SAMPLE DEPTH (ft.)
NAPTHALENE 0.032 — CONCENTRATION (ppm)
COMPOUND

figure 3.10.3

TPH/METALS SOIL DETECTIONS
AST AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

CRA

12609-08(019)GN-WA045 JAN 11/2001



GP-39	
	8/28/97
TPH	46.2

MW113-99	
	9-16-99
METHYLENE CHLORIDE	2.8
ACETONE	30
TPH	5,500

GP-37	
	8/28/97
TPH	45.4
ACENAPTHENE	0.0035
PYRENE	0.00053
AROCLOR 1248	0.01407

GP-40	
	8/28/97
TPH	71
TOLUENE	0.003
XYLENES	0.004

RECOVERY WELL #2	
	9-22-99
TPH	380,000

GP-6	
	5/6/97
TRPH,IR	329
ARSENIC	0.027
BARIUM	0.428
CADMIUM	<0.0010
CHROMIUM	0.018
COPPER	0.026
IRON	32.2
LEAD	0.026
MERCURY	<0.00020
SELENIUM	<0.0050
SILVER	<0.0050
ZINC	0.104

RECOVERY WELL #4	
	9-22-99
TPH	6,900

GP-13	
	5/6/97
TRPH,IR	66.7
ARSENIC	<0.0050
BARIUM	0.063
CADMIUM	<0.0010
CHROMIUM	0.014
COPPER	<0.0100
IRON	4.36
LEAD	0.007
MERCURY	<0.00020
SELENIUM	<0.0050
SILVER	<0.0050
ZINC	0.029

MW-1 (AST AREA)	
	9-15-99
TPH	2,400

MW119-99	
	9-14-99
TPH	74,000

RECOVERY WELL #1	
	9-21-99
AROCLOR 1248	6.4
TPH	17,000

MW118-99	
	9-14-99
TPH	72,000

MW115-99	
	9-14-99
TPH	440

RECOVERY WELL #3	
	9-21-99
TPH	8,500

GP-1	
	5/6/97
TRPH,IR	0.31
ARSENIC	0.061
BARIUM	0.481
CADMIUM	<0.0010
CHROMIUM	0.072
COPPER	0.128
IRON	106
LEAD	0.083
MERCURY	<0.00020
SELENIUM	0.012
SILVER	<0.0050
ZINC	0.403

MW-4 (AST AREA)	
	9-15-99
TPH	1,400

MW-6 (AST AREA)	
	9-14-99
TPH	1,800

GP-3	
	5/6/97
TRPH,IR	0.21
ARSENIC	0.06
BARIUM	0.469
CADMIUM	0.002
CHROMIUM	0.11
COPPER	0.197
IRON	135
LEAD	0.087
MERCURY	<0.00020
SELENIUM	0.009
SILVER	<0.0050
ZINC	0.516

LEGEND

▲ GP-38 GEOPROBE

● MW119-99 MONITORING WELL

GP-37	SAMPLE LOCATION
8/28/97	SAMPLE DATE
NAPTHALENE 0.032	CONCENTRATION (ug/L)
	COMPOUND

figure 3.10.4

TPH/METALS GROUNDWATER DETECTIONS
AST AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-08(019)GN-WA046 JAN 11/2001

TABLE 2.1

MONITORING WELL DETAILS AND GROUNDWATER ELEVATIONS
GENERAL MOTORS PROPERTY
TOLEDO, OHIO

	Monitoring Well Details (feet AMSL)						*Groundwater Elevations (feet AMSL)*															
Location	*Top of Casing*	*Ground Surface*	*Top of Sandpack*	*Top of Screen*	*Bottom of Screen*	*Bottom of Sandpack*	*25-Jan-89*	*22-Aug-89*	*23-Oct-90*	*6-Mar-98*	*23-Aug-99*		*27-Aug-99*		*20-Sep-99*		*14-Oct-99*		*18-Nov-99*		*9-Feb-00*		*3-Aug-00*	
Surface Water Elevations																						
Creek #1	--	--	--	--	--	--	596.96	594.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Creek #2	--	--	--	--	--	--	596.75	595.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Creek #3	--	--	--	--	--	--	--	595.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Creek #4	--	--	--	--	--	--	--	597.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #1	--	--	--	--	--	--	--	--	--	593.13	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #2	--	--	--	--	--	--	--	--	--	595.80	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #3	--	--	--	--	--	--	--	--	--	595.90	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #4	--	--	--	--	--	--	--	--	--	593.95	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #5	--	--	--	--	--	--	--	--	--	593.84	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #6	--	--	--	--	--	--	--	--	--	595.49	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #7	--	--	--	--	--	--	--	--	--	dry	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #8	--	--	--	--	--	--	--	--	--	598.23	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #9	--	--	--	--	--	--	--	--	--	596.39	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #10	--	--	--	--	--	--	--	--	--	598.65	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #11	--	--	--	--	--	--	--	--	--	597.24	--	--	--	--	--	--	--	--	--	--	--	--		
Staff Gauge #12	--	--	--	--	--	--	--	--	--	598.98	--	--	--	--	--	--	--	--	--	--	--	--		
Groundwater Elevations																						
AST-MW-1	610.61	611.00	--	606.00	601.00	--	--	--	605.52	--	--	--	7.36	603.25	7.78	602.83	8.05	602.56	--	--	--	--	4.71	605.90
AST-MW-2	609.20	609.48	--	604.48	599.48	--	--	--	602.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AST-MW-3	609.95	610.17	--	605.17	600.17	--	--	--	604.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AST-MW-4	607.51	610.80	--	605.80	600.80	--	--	--	600.89	--	--	--	7.24	600.27	7.61	599.90	7.21	600.30	--	--	--	--	7.15	600.36
AST-MW-5	609.30	609.30	--	604.30	599.30	--	--	--	--	--	--	--	7.16	602.14	7.70	601.60	7.74	601.56	--	--	--	--	4.18	605.12
AST-MW-6	608.38	608.38	--	603.38	598.38	--	--	--	--	--	--	--	7.80	600.58	8.09	600.29	7.45	600.93	--	--	--	--	6.35	602.03
MW-1	612.24	609.79	601.79	599.79	594.79	--	601.90	600.78	--	604.16	--	--	--	--	14.20	598.04	14.46	597.78	14.70	597.54	14.69	597.55	7.43	604.81
MW-2	602.38	600.18	598.68	596.68	591.68	591.68	596.24	594.44	--	596.41	--	--	--	--	11.24	591.14	dry	dry	9.31	593.07	--	--	5.25	597.13
MW-3	603.97	601.96	600.46	598.46	593.46	593.46	597.04	596.41	--	597.53	--	--	--	--	11.28	592.69	dry	dry	dry	dry	--	--	4.43	599.54
MW-4	605.90	603.79	602.29	600.29	595.29	595.29	599.10	597.78	--	599.45	--	--	--	--	11.38	594.52	dry	dry	dry	dry	--	--	4.79	601.11
MW-5	610.12	607.77	604.77	602.77	597.77	596.77	603.74	602.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-100-98	605.57	603.60	596.68	595.60	590.60	589.60	--	--	--	597.82	--	--	--	--	10.95	594.62	10.00	595.57	--	--	10.54	595.03	7.12	598.45
MW-101-98	605.67	603.60	598.60	597.60	592.60	591.60	--	--	--	599.16	--	--	--	--	10.88	594.79	10.88	594.79	10.45	595.22	9.61	596.06	4.60	601.07
MW-102-98	611.36	609.40	603.40	600.40	595.40	594.40	--	--	--	601.96	--	--	--	--	15.16	596.20	15.81	595.55	dry	dry	16.12	595.24	9.18	602.18
MW-103-98	609.65	607.10	602.10	601.10	596.10	595.10	--	--	--	600.67	--	--	12.42	597.23	12.91	596.74	13.12	596.53	16.13	593.52	13.15	596.50	6.31	603.34
MW-104-98	602.10	599.80	596.80	594.80	589.80	587.80	--	--	--	595.85	--	--	--	--	11.78	590.32	9.84	592.26	9.16	592.94	--	--	3.51	598.59
MW-105-98	604.37	603.30	596.13	594.30	589.30	587.30	--	--	--	596.67	--	--	--	--	11.78	592.59	10.73	593.64	--	--	11.13	593.24	7.26	597.11
MW-106-98	603.97	603.90	595.90	593.90	588.90	587.90	--	--	--	596.82	--	--	--	--	12.47	591.50	11.60	592.37	--	--	11.85	592.12	7.95	596.02
MW-107-99	606.25	601.17	598.17	596.17	591.17	589.17	--	--	--	--	8.68	597.57	7.90	598.35	9.10	597.15	6.85	599.40	--	--	--	--	4.50	601.75
MW-108-99	606.06	602.75	596.75	594.75	589.75	588.75	--	--	--	--	9.90	596.16	9.35	596.71	10.05	596.01	7.63	598.43	--	--	--	--	4.95	601.11
MW-109-99	616.50	613.42	598.72	596.42	591.42	591.42	--	--	--	--	17.28	599.22	16.88	599.62	17.88	598.62	16.66	599.84	--	--	--	--	--	--
MW-110-99	602.56	599.42	594.42	592.42	587.42	587.42	--	--	--	--	9.70	592.86	9.20	593.36	10.20	592.36	9.10	593.46	8.92	593.64	9.81	592.75	5.38	597.18
MW-111-99	603.17	600.37	593.37	591.37	586.37	586.37	--	--	--	--	13.70	589.47	12.70	590.47	14.71	588.46	12.62	590.55	11.06	592.11	9.02	594.15	4.10	599.07
MW-112-99	607.78	605.40	599.40	597.40	592.40	591.40	--	--	--	--	13.70	594.08	13.75	594.03	13.95	593.83	13.70	594.08	--	--	13.25	594.53	9.09	598.69
MW-113-99		609.45	605.45	603.45	598.45	597.45	--	--	--	--	8.65	-8.65	8.62	-8.62	8.80	-8.80	8.91	-8.91	--	--	--	--	7.83	-7.83
MW-115-99	611.99	608.75	603.75	601.75	596.75	596.75	--	--	--	--	10.62	601.37	10.36	601.63	11.08	600.91	10.35	601.64	--	--	--	--	4.75	607.24
MW-116-99	610.69	607.88	602.88	600.88	595.88	595.88	--	--	--	--	7.15	603.54	7.15	603.54	7.60	603.09	7.48	603.21	--	--	--	--	3.65	607.04
MW-117-99	611.51	608.50	603.50	601.50	596.50	596.50	--	--	--	--	10.20	601.31	10.20	601.31	10.94	600.57	11.12	600.39	--	--	--	--	5.90	605.61
MW-118-99	612.87	609.65	604.65	602.65	597.65	597.65	--	--	--	--	9.70	603.17	9.63	603.24	10.11	602.76	9.90	602.97	--	--	--	--	7.10	605.77
MW-119-99	612.31	609.39	604.39	602.39	597.39	597.39	--	--	--	--	8.91	603.40	8.65	603.66	8.85	603.46	8.74	603.57	--	--	--	--	6.33	605.98
MW-120-99	608.89	605.28	597.28	596.28	591.28	591.28	--	--	--	--	--	--	17.60	591.29	17.65	591.24	17.65	591.24	dry	dry	--	--	6.68	602.21
MW-121-99	603.96	601.17	594.17	591.17	586.17	585.17	--	--	--	--	--	--	--	--	--	--	17.80	586.16	15.30	588.66	--	--	3.75	600.21
MW-122-99	605.98	603.01	593.01	590.01	585.01	585.01	--	--	--	--	--	--	--	--	--	--	20.55	585.43	20.34	585.64	--	--	3.64	602.34
MW-123-99		605.90	601.90	600.90	595.90	595.90					--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1	614.21	610.29	--	--	--	--	--	--	--	--	--	--	11.09	603.12	--	--	11.60	602.61	--	--	--	--	9.90	604.31
RW-2	614.26	612.16	--	--	--	--	--	--	--	--	--	--	12.18	602.08	--	--	12.83	601.43	--	--	--	--	7.95	606.31
RW-3	614.25	610.33	--	--	--	--	--	--	--	--	--	--	11.63	602.62	--	--	12.17	602.08	--	--	--	--	9.70	604.55
RW-4	614.35	611.53	--	--	--	--	--	--	--	--	--	--	12.76	601.59	--	--	13.35	601.00	--	--	--	--	10.73	603.62

TABLE 3.1.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	BH171-00	5.5 - 7.5	x	x			
		7.5 - 9.5	x	x			
	BH172-00	7 - 9	x	x			
		9 - 11	x	x			
	BH173-00	2 - 4	x	x			
		4 - 6	x	x			
	BH174-00	2 -4[(1)]	x	x	x		
		4 - 6	x	x			
	BH175-00	2.5 - 4.5	x	x			
		4.5 - 6.5	x	x			
	BH176-00	4 - 6	x	x			
		2 - 4	x	x			
	BH177-00	2.5 - 4.5	x	x	x		
	BH177-00	4.5 - 6.5	x	x			
	BH178-00	2 - 4	x	x			
		4 - 6	x	x			
	BH179-00	0 - 2	x	x			
		2.5 - 4.5	x	x	x		
		4.5 - 6.5	x	x			
	BH180-00[(2)]	0 - 2	x	x			
		2.5 - 4.5	x	x			
		4.5 - 6.5	x	x	x		
	BH181-00	0 - 2	x	x			
		3 - 5	x	x			
		5 - 7	x	x			
	BH182-00	0 - 2	x	x			
		3 - 5	x	x			
		5 - 7	x	x			
	BH183-00	0 - 2	x	x	x		
		2.5 - 4.5	x	x			
		4.5 - 6.5	x	x			
	BH184-00	0 - 2	x	x			
		3 - 5	x	x			
		5 - 7	x	x			
	BH185-00	0 - 2[(1)]	x	x			
		3.5 - 5.5	x	x			
		5.5 - 7.5	x	x			
	BH186-00[(2)]	0 - 2	x	x			
		3.5 - 5.5[(1)]	x	x			
		5.5 - 7.5	x	x			
	BH187-00[(2)]	6.5 - 8.5	x	x			
		9.5 - 11.5	x	x			
		11.5 - 13.5	x	x	x		

TABLE 3.1.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	BH188-00	1 - 3	x	x	x		
		2.5 - 4.5	x	x			
		4.5 - 6.5	x	x			
	BH189-00	1.5 - 3.5[(1)]	x	x			
		3 - 5	x	x	x		
		5 - 7	x	x			
	BH190-00	0 - 2	x	x			
		3 - 5	x	x			
		5 - 7	x	x	x		
	BH191-00	0 - 2[(1)]	x	x			
		3 - 5	x	x			
		5 - 7	x	x			
	BH192-00	0 - 2	x	x			
		3.5 - 5.5	x	x	x		
		5.5 - 7.5	x	x			
	BH193-00	0 - 2[(1)]	x	x			
		3.5 - 5.5	x	x			
		5.5 - 7.5	x	x	x		
	BH194-00	0 - 2	x	x	x		
		3.5 - 5.5	x	x	x		
		5.5 - 7.5	x	x			
	BH195-00	0 - 2	x	x	x		
		3.5 - 5.5	x	x			
		5.5 - 7.5[(1)]	x	x			
	BH208-00	0 - 2	x				
		2 - 4	x				
		4 - 6	x				
		6 - 8	x				
		8 - 10	x				
	BH209-00	0 - 2	x				
		2 - 4	x				
	BH210-00	0 - 2	x				
		6 - 8	x				
	BH211-00	0 - 2	x				
		2 - 4	x				
		6 - 8	x				
		8 - 10[(1)]	x				
	BH212-00	0 - 2[(1)]	x				
	BH214-00	0 - 2	x				
		2 - 4	x				
		6 - 8	x				

TABLE 3.1.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	BH215-00	0 - 2	x				
		2 - 4	x				
		4 - 6	x				
		6 - 8	x				
		8 - 10	x				
	BH216-00	0 - 2	x				
		2 - 4	x				
		4 - 6	x				
		6 - 8[(1)]	x				
		8 - 10[(1)]	x				
	BH248-00	0 - 2	x				
		2 - 4	x				
	BH249-00	0 - 2	x				
		2 - 4	x				
	BH250-00	0 - 2	x				
		2 - 4	x				
	BH251-00	0 - 2	x				
		2 - 4	x				
	BH171-00 - BH178-00	0 - 2		x		x	x
		2 - 4		x		x	x
	BH-GRP1-00	0 - 2[(1)]	x	x		x	x
		2 - 4	x	x		x	x
	BH-GRP2-00	0 - 2[(1)]				x	x
		2 - 4				x	x
	BH-GRP3-00	0 - 2[(1)]				x	x
		2 - 4					x
Sediment							
	SED6-00	0 - 0.5	x	x			
	SED7-00	0 - 0.5	x	x			
	SED8-00	0 - 0.5	x	x			
	SED9-00	0 - 0.5	x	x			
	SED10-00	0 - 0.5	x	x			
	SED11-00	0 - 0.5	x	x			
	SED12-00	0 - 0.5	x	x	x		
	SED13-00	0 - 0.5	x	x			
	SED17-00	0 - 0.5	x				
	SED18-00	0 - 0.5	x				
	SED19-00	0 - 0.5	x				
	SED6-00-SED13-00	0 - 0.5				x	x

Notes:

[(1)] Duplicate samples were taken

[(2)] Borehole was used in another area of interest

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH171-00***	***BH171-00***	***BH171-00-BH178-00***	***BH171-00-BH178-00***	***BH172-00***	***BH172-00***
Sample ID:		***S-12609-041200-KMV-27***	***S-12609-041200-KMV-26***	***S-12609-041200-KMV-42***	***S-12609-041200-KMV-43***	***S-12609-041200-KMV-35***	***S-12609-041200-KMV-34***
Sample Depth:		***(5.5-7.5)***	***(7.5-9.5)***	***(0-2)***	***(2-4)***	***(7-9)***	***(9-11)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Benzo(a)anthracene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Benzo(a)pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Chrysene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Phenanthrene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
Pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (38)	ND (37)	-	-	ND (38)	43000
Aroclor-1254	ug/Kg	ND (38)	ND (37)	-	-	180	ND (4200)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	-	-	ND (38)	ND (4200)
Metals							
Aluminum	mg/Kg	-	-	10600	10700	-	-
Arsenic	mg/Kg	-	-	5.9 J	5.8 J	-	-
Barium	mg/Kg	-	-	80.4	83.7	-	-
Calcium	mg/Kg	-	-	20800 J	16200 J	-	-
Chromium	mg/Kg	-	-	15.9	15.9	-	-
Cobalt	mg/Kg	-	-	10.7 J	6.3 J	-	-
Copper	mg/Kg	-	-	13.4	17.2	-	-
Iron	mg/Kg	-	-	17500	17300	-	-
Lead	mg/Kg	-	-	9.1 J	11.3 J	-	-
Magnesium	mg/Kg	-	-	9910 J	7850 J	-	-
Manganese	mg/Kg	-	-	692	286	-	-
Nickel	mg/Kg	-	-	25.7 J	15.8 J	-	-
Potassium	mg/Kg	-	-	1580 J	1060 J	-	-
Selenium	mg/Kg	-	-	0.65	ND (0.61)	-	-
Vanadium	mg/Kg	-	-	23.9	23.5	-	-
Zinc	mg/Kg	-	-	49.0	47.2	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	26	18	-	-	11	210

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH173-00***	***BH173-00***	***BH174-00***	***BH174-00***	***BH174-00***	***BH175-00***
Sample ID:		***S-12609-041200-KMV-29***	***S-12609-041200-KMV-28***	***S-12609-041200-KMV-31***	***S-12609-041200-KMV-44***	***S-12609-041200-KMV-30***	***S-12609-041200-KMV-33***
Sample Depth:		***(2-4)***	***(4-6)***	***(2-4)***	***(2-4)***	***(4-6)***	***(2.5-4.5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	1.3 J	-	-
2-Butanone	ug/Kg	-	-	-	ND (17)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	3.5 J	-	-
Acetone	ug/Kg	-	-	-	ND (17) U	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	ND (2.2)	-	-
Ethylbenzene	ug/Kg	-	-	-	0.29 J	-	-
Methylene chloride	ug/Kg	-	-	-	1.9 J	-	-
Styrene	ug/Kg	-	-	-	0.26 J	-	-
Toluene	ug/Kg	-	-	-	0.62 J	-	-
Vinyl chloride	ug/Kg	-	-	-	ND (8.6)	-	-
Xylene (total)	ug/Kg	-	-	-	2.3 J	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (41)	-	ND (41)	ND (41)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (41)	-	ND (41)	ND (41)
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (41)	-	ND (41)	ND (41)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	ND (12)	-	ND (12)	ND (12)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH175-00***	***BH176-00***	***BH176-00***	***BH177-00***	***BH177-00***	***BH177-00***
Sample ID:		***S-12609-041200-KMV-32***	***S-12609-041200-KMV-37***	***S-12609-041200-KMV-36***	***S-12609-041200-KMV-39***	***S-12609-041200-KMV-45***	***S-12609-041200-KMV-38***
Sample Depth:		***(4.5-6.5)***	***(2-4)***	***(4-6)***	***(2.5-4.5)***	***(2.5-4.5)***	***(4.5-6.5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (4.5)	-
2-Butanone	ug/Kg	-	-	-	-	ND (18)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (18)	-
Acetone	ug/Kg	-	-	-	-	ND (18) U	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.2)	-
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.5)	-
Methylene chloride	ug/Kg	-	-	-	-	0.72 U	-
Styrene	ug/Kg	-	-	-	-	ND (4.5)	-
Toluene	ug/Kg	-	-	-	-	0.42 J	-
Vinyl chloride	ug/Kg	-	-	-	-	ND (9.0)	-
Xylene (total)	ug/Kg	-	-	-	-	1.5 J	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (42)	79	ND (41)	ND (41)	-	ND (41)
Aroclor-1254	ug/Kg	ND (42)	ND (39)	ND (41)	ND (41)	-	ND (41)
Aroclor-1260	ug/Kg	ND (42)	ND (39)	ND (41)	ND (41)	-	ND (41)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (12)	ND (12)	ND (13)	-	ND (12)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH178-00***	***BH178-00***	***BH179-00***	***BH179-00***	***BH179-00***	***BH179-00-BH183-00(BH-GRP1-00)***
Sample ID:		***S-12609-041200-KMV-41***	***S-12609-041200-KMV-40***	***S-12609-041400-KMV-82***	***S-12609-041400-KMV-84***	***S-12609-041400-KMV-83***	***S-12609-041400-KMV-91***
Sample Depth:		***(2-4)***	***(4-6)***	***(0-2)***	***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	1.3 J	-	-
2-Butanone	ug/Kg	-	-	-	ND (0.98)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	2.3 J	-	-
Acetone	ug/Kg	-	-	-	ND (2.3)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	ND (0.13)	-	-
Ethylbenzene	ug/Kg	-	-	-	ND (0.27)	-	-
Methylene chloride	ug/Kg	-	-	-	1.5 J	-	-
Styrene	ug/Kg	-	-	-	ND (0.24)	-	-
Toluene	ug/Kg	-	-	-	ND (0.25)	-	-
Vinyl chloride	ug/Kg	-	-	-	ND (0.15)	-	-
Xylene (total)	ug/Kg	-	-	-	0.86 J	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	ND (470)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	170 J
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	170 J
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	230 J
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	100 J
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	62 J
Chrysene	ug/Kg	-	-	-	-	-	200 J
Fluoranthene	ug/Kg	-	-	-	-	-	440 J
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	100 J
Phenanthrene	ug/Kg	-	-	-	-	-	250 J
Pyrene	ug/Kg	-	-	-	-	-	340 J
PCBs							
Aroclor-1248	ug/Kg	ND (42)	ND (41)	ND (9.2)	ND (9.8)	ND (10)	ND (47)
Aroclor-1254	ug/Kg	ND (42)	ND (41)	ND (23)	ND (24)	ND (25)	140
Aroclor-1260	ug/Kg	ND (42)	ND (41)	ND (16)	ND (17)	ND (18)	ND (47)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	6730
Arsenic	mg/Kg	-	-	-	-	-	3.2
Barium	mg/Kg	-	-	-	-	-	37.5
Calcium	mg/Kg	-	-	-	-	-	14800
Chromium	mg/Kg	-	-	-	-	-	10.6
Cobalt	mg/Kg	-	-	-	-	-	ND (7.1)
Copper	mg/Kg	-	-	-	-	-	12.0
Iron	mg/Kg	-	-	-	-	-	9210
Lead	mg/Kg	-	-	-	-	-	11.8
Magnesium	mg/Kg	-	-	-	-	-	5660
Manganese	mg/Kg	-	-	-	-	-	120
Nickel	mg/Kg	-	-	-	-	-	14.2
Potassium	mg/Kg	-	-	-	-	-	ND (714)
Selenium	mg/Kg	-	-	-	-	-	ND (0.71)
Vanadium	mg/Kg	-	-	-	-	-	14.5
Zinc	mg/Kg	-	-	-	-	-	35.0
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (12)	ND (7.8)	ND (8.2)	ND (8.6)	57

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH179-00-BH183-00(BH-GRP1-00)***	***BH179-00-BH183-00(BH-GRP1-00)***	***BH180-00***	***BH180-00***	***BH180-00***	***BH181-00***
Sample ID:		***S-12609-041400-KMV-92***	***S-12609-041400-KMV-93***	***S-12609-041400-KMV-85***	***S-12609-041400-KMV-87***	***S-12609-041400-KMV-86***	***S-12609-041400-KMV-88***
Sample Depth:		***(0-2)***	***(2-4)***	***(0-2)***	***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (0.22)	-
2-Butanone	ug/Kg	-	-	-	-	ND (1.1)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (0.50)	-
Acetone	ug/Kg	-	-	-	-	ND (22) U	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (0.14)	-
Ethylbenzene	ug/Kg	-	-	-	-	ND (0.30)	-
Methylene chloride	ug/Kg	-	-	-	-	0.89 J	-
Styrene	ug/Kg	-	-	-	-	ND (0.26)	-
Toluene	ug/Kg	-	-	-	-	ND (0.27)	-
Vinyl chloride	ug/Kg	-	-	-	-	ND (0.16)	-
Xylene (total)	ug/Kg	-	-	-	-	ND (0.79)	-
Semi - Volatiles							
Anthracene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Chrysene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Fluoranthene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Phenanthrene	ug/Kg	ND (410)	ND (400)	-	-	-	-
Pyrene	ug/Kg	ND (410)	ND (400)	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (41)	ND (40)	ND (8.9)	ND (10)	ND (11)	ND (47)
Aroclor-1254	ug/Kg	ND (41)	ND (40)	ND (22)	ND (25)	ND (26)	1800
Aroclor-1260	ug/Kg	ND (41)	ND (40)	ND (15)	ND (17)	ND (18)	ND (81)
Metals							
Aluminum	mg/Kg	12400	15800	-	-	-	-
Arsenic	mg/Kg	5.3	6.7	-	-	-	-
Barium	mg/Kg	70.2	102	-	-	-	-
Calcium	mg/Kg	36300	8600	-	-	-	-
Chromium	mg/Kg	18.1	22.7	-	-	-	-
Cobalt	mg/Kg	6.5	8.6	-	-	-	-
Copper	mg/Kg	13.8	18.0	-	-	-	-
Iron	mg/Kg	17500	25900	-	-	-	-
Lead	mg/Kg	6.5	9.2	-	-	-	-
Magnesium	mg/Kg	18200	7300	-	-	-	-
Manganese	mg/Kg	253	308	-	-	-	-
Nickel	mg/Kg	17.0	23.6	-	-	-	-
Potassium	mg/Kg	2580	2040	-	-	-	-
Selenium	mg/Kg	ND (0.63)	ND (0.61)	-	-	-	-
Vanadium	mg/Kg	27.6	33.8	-	-	-	-
Zinc	mg/Kg	42.0	46.4	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (12)	12	ND (8.4)	ND (8.8)	84

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH181-00***	***BH181-00***	***BH182-00***	***BH182-00***	***BH182-00***	***BH183-00***
Sample ID:		***S-12609-041400-KMV-90***	***S-12609-041400-KMV-89***	***S-12609-041400-KMV-79***	***S-12609-041400-KMV-81***	***S-12609-041400-KMV-80***	***S-12609-041400-KMV-76***
Sample Depth:		***(3-5)***	***(5-7)***	***(0-2)***	***(3-5)***	***(5-7)***	***(0-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	ND (0.22) UJ
2-Butanone	ug/Kg	-	-	-	-	-	3.5 J
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	2.7 J
Acetone	ug/Kg	-	-	-	-	-	ND (22) UJ
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	ND (0.15) UJ
Ethylbenzene	ug/Kg	-	-	-	-	-	ND (0.30) UJ
Methylene chloride	ug/Kg	-	-	-	-	-	ND (0.31) UJ
Styrene	ug/Kg	-	-	-	-	-	ND (0.27) UJ
Toluene	ug/Kg	-	-	-	-	-	1.2 J
Vinyl chloride	ug/Kg	-	-	-	-	-	ND (0.17) UJ
Xylene (total)	ug/Kg	-	-	-	-	-	1.9 J
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (10)	ND (10)	ND (9.5)	ND (10)	ND (10)	ND (8.7)
Aroclor-1254	ug/Kg	ND (25)	ND (25)	99	ND (25)	ND (26)	ND (22)
Aroclor-1260	ug/Kg	ND (18)	ND (17)	ND (16)	ND (18)	ND (18)	ND (15)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (8.6)	ND (8.4)	240	ND (8.6)	ND (8.8)	ND (7.3)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH183-00***	***BH183-00***	***BH184-00***	***BH184-00***	***BH184-00***	***BH184-00-BH189-00(BH-GRP2-00)***
Sample ID:		***S-12609-041400-KMV-78***	***S-12609-041400-KMV-77***	***S-12609-041400-KMV-94***	***S-12609-041400-KMV-96***	***S-12609-041400-KMV-95***	***S-12609-041700-KMV-114***
Sample Depth:		***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***	***(3-5)***	***(5-7)***	***(0-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	ND (390)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	ND (390)
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	ND (390)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	ND (390)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	ND (390)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	ND (390)
Chrysene	ug/Kg	-	-	-	-	-	50 J
Fluoranthene	ug/Kg	-	-	-	-	-	83 J
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	ND (390)
Phenanthrene	ug/Kg	-	-	-	-	-	ND (390)
Pyrene	ug/Kg	-	-	-	-	-	80 J
PCBs							
Aroclor-1248	ug/Kg	ND (9.0)	ND (10)	ND (37)	ND (38)	ND (42)	-
Aroclor-1254	ug/Kg	ND (22)	ND (26)	75	ND (38)	ND (42)	-
Aroclor-1260	ug/Kg	ND (16)	ND (18)	ND (37)	ND (38)	ND (42)	-
Metals							
Aluminum	mg/Kg	-	-	-	-	-	6470
Arsenic	mg/Kg	-	-	-	-	-	2.8
Barium	mg/Kg	-	-	-	-	-	37.1
Calcium	mg/Kg	-	-	-	-	-	2640
Chromium	mg/Kg	-	-	-	-	-	13.3
Cobalt	mg/Kg	-	-	-	-	-	ND (6.0)
Copper	mg/Kg	-	-	-	-	-	10.7
Iron	mg/Kg	-	-	-	-	-	8830
Lead	mg/Kg	-	-	-	-	-	14.7
Magnesium	mg/Kg	-	-	-	-	-	1360
Manganese	mg/Kg	-	-	-	-	-	108
Nickel	mg/Kg	-	-	-	-	-	21.8
Potassium	mg/Kg	-	-	-	-	-	ND (598)
Selenium	mg/Kg	-	-	-	-	-	ND (0.60)
Vanadium	mg/Kg	-	-	-	-	-	14.1
Zinc	mg/Kg	-	-	-	-	-	35.2
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (7.6)	ND (8.7)	39	23	ND (13)	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH184-00-BH189-00(BH-GRP2-00)***	***BH184-00-BH189-00(BH-GRP2-00)***	***BH185-00***	***BH185-00***	***BH185-00***	***BH185-00***
Sample ID:		***S-12609-041700-KMV-115***	***S-12609-041700-KMV-116***	***S-12609-041400-KMV-103***	***S-12609-041400-KMV-97***	***S-12609-041400-KMV-99***	***S-12609-041400-KMV-98***
Sample Depth:		***(0-2)***	***(2-4)***	***(0-2)***	***(0-2)***	***(3.5-5.5)***	***(5.5-7.5)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Chrysene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Fluoranthene	ug/Kg	64 J	ND (410)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Phenanthrene	ug/Kg	ND (410)	ND (410)	-	-	-	-
Pyrene	ug/Kg	57 J	ND (410)	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	-	-	ND (35)	ND (36)	ND (41)	ND (40)
Aroclor-1254	ug/Kg	-	-	ND (35)	ND (36)	ND (41)	ND (40)
Aroclor-1260	ug/Kg	-	-	ND (35)	54	ND (41)	ND (40)
Metals							
Aluminum	mg/Kg	14200	13800	-	-	-	-
Arsenic	mg/Kg	4.5	7.7	-	-	-	-
Barium	mg/Kg	88.3	93.3	-	-	-	-
Calcium	mg/Kg	11800	21200	-	-	-	-
Chromium	mg/Kg	21.8	20.3	-	-	-	-
Cobalt	mg/Kg	8.4	11.7	-	-	-	-
Copper	mg/Kg	16.1	21.8	-	-	-	-
Iron	mg/Kg	20300	24300	-	-	-	-
Lead	mg/Kg	6.5	9.8	-	-	-	-
Magnesium	mg/Kg	8930	12100	-	-	-	-
Manganese	mg/Kg	435	604	-	-	-	-
Nickel	mg/Kg	21.7	27.8	-	-	-	-
Potassium	mg/Kg	2610	2050	-	-	-	-
Selenium	mg/Kg	ND (0.62)	ND (0.62)	-	-	-	-
Vanadium	mg/Kg	27.0	31.2	-	-	-	-
Zinc	mg/Kg	54.9	54.1	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	79	66	16	ND (12)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH186-00***	***BH186-00***	***BH186-00***	***BH186-00***	***BH187-00***	***BH187-00***
Sample ID:		***S-12609-041400-KMV-100***	***S-12609-041400-KMV-102***	***S-12609-041400-KMV-101***	***S-12609-041400-KMV-104***	***S-12609-041700-KMV-108***	***S-12609-041700-KMV-110***
Sample Depth:		***(0-2)***	***(3.5-5.5)***	***(5.5-7.5)***	***(5.5-7.5)***	***(6.5-8.5)***	***(9.5-11.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (37)	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1254	ug/Kg	ND (37)	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1260	ug/Kg	ND (37)	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	100	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH187-00***	***BH188-00***	***BH188-00***	***BH188-00***	***BH189-00***	***BH189-00***
Sample ID:		***S-12609-041700-KMV-109***	***S-12609-041700-KMV-105***	***S-12609-041700-KMV-107***	***S-12609-041700-KMV-106***	***S-12609-041700-KMV-111***	***S-12609-041700-KMV-117***
Sample Depth:		***(11.5-13.5)***	***(1-3)***	***(2.5-4.5)***	***(4.5-6.5)***	***(1.5-3.5)***	***(1.5-3.5)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-	-
2-Butanone	ug/Kg	ND (23)	ND (18) U	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (23)	ND (18)	-	-	-	-
Acetone	ug/Kg	ND (23) U	49	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.9)	ND (2.3)	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-	-
Methylene chloride	ug/Kg	1.3 U	0.85 U	-	-	-	-
Styrene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-	-
Toluene	ug/Kg	0.45 J	0.44 J	-	-	-	-
Vinyl chloride	ug/Kg	ND (12)	ND (9.0)	-	-	-	-
Xylene (total)	ug/Kg	ND (12)	ND (9.0)	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)	ND (38)
Aroclor-1254	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	430	ND (38)
Aroclor-1260	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)	ND (38)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (11)	ND (13)	ND (13)	1400	ND (11)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH189-00***	***BH189-00***	***BH190-00***	***BH190-00***	***BH190-00***	***BH190-00-BH195-00(BH-GRP3-00)***
Sample ID:		***S-12609-041700-KMV-113***	***S-12609-041700-KMV-112***	***S-12609-041700-KMV-121***	***S-12609-041700-KMV-123***	***S-12609-041700-KMV-122***	***S-12609-041700-KMV-136***
Sample Depth:		***(3-5)***	***(5-7)***	***(0-2)***	***(3-5)***	***(5-7)***	***(0-2)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	ND (5.7)	-	-	-	ND (5.2)	-
2-Butanone	ug/Kg	ND (23) U	-	-	-	ND (21) U	-
4-Methyl-2-pentanone	ug/Kg	ND (23)	-	-	-	ND (21)	-
Acetone	ug/Kg	ND (23) U	-	-	-	ND (24) U	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.8)	-	-	-	3.0	-
Ethylbenzene	ug/Kg	ND (5.7)	-	-	-	ND (5.2)	-
Methylene chloride	ug/Kg	1.2 U	-	-	-	0.77 U	-
Styrene	ug/Kg	ND (5.7)	-	-	-	ND (5.2)	-
Toluene	ug/Kg	0.42 J	-	-	-	ND (5.2)	-
Vinyl chloride	ug/Kg	ND (11)	-	-	-	0.83 J	-
Xylene (total)	ug/Kg	ND (11)	-	-	-	ND (10)	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	45 J
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	150 J
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	130 J
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	170 J
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	88 J
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	61 J
Chrysene	ug/Kg	-	-	-	-	-	150 J
Fluoranthene	ug/Kg	-	-	-	-	-	260 J
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	99 J
Phenanthrene	ug/Kg	-	-	-	-	-	160 J
Pyrene	ug/Kg	-	-	-	-	-	220 J
PCBs							
Aroclor-1248	ug/Kg	ND (40)	ND (42)	ND (39)	ND (40)	ND (40)	-
Aroclor-1254	ug/Kg	ND (40)	ND (42)	58	ND (40)	ND (40)	-
Aroclor-1260	ug/Kg	ND (40)	ND (42)	ND (39)	ND (40)	ND (40)	-
Metals							
Aluminum	mg/Kg	-	-	-	-	-	7350
Arsenic	mg/Kg	-	-	-	-	-	4.3
Barium	mg/Kg	-	-	-	-	-	46.5
Calcium	mg/Kg	-	-	-	-	-	18500
Chromium	mg/Kg	-	-	-	-	-	10.9
Cobalt	mg/Kg	-	-	-	-	-	ND (5.8)
Copper	mg/Kg	-	-	-	-	-	11.0
Iron	mg/Kg	-	-	-	-	-	11600
Lead	mg/Kg	-	-	-	-	-	18.2
Magnesium	mg/Kg	-	-	-	-	-	7460
Manganese	mg/Kg	-	-	-	-	-	225
Nickel	mg/Kg	-	-	-	-	-	11.4
Potassium	mg/Kg	-	-	-	-	-	1050
Selenium	mg/Kg	-	-	-	-	-	ND (0.58)
Vanadium	mg/Kg	-	-	-	-	-	17.4
Zinc	mg/Kg	-	-	-	-	-	31.0
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (13)	83	ND (12)	ND (12)	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH190-00-BH195-00(BH-GRP3-00)***	***BH190-00-BH195-00(BH-GRP3-00)***	***BH190-00-BH195-00(BH-GRP3-00)***	***BH191-00***	***BH191-00***
Sample ID:		***S-12609-041700-KMV-137***	***S-12609-041700-KMV-141***	***S-12609-041700-KMV-138***	***S-12609-041700-KMV-118***	***S-12609-041700-KMV-120***
Sample Depth:		***(0-2)***	***(0-2)***	***(2-4)***	***(0-2)***	***(3-5)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Anthracene	ug/Kg	ND (420)	ND (370)	ND (410)	-	-
Benzo(a)anthracene	ug/Kg	ND (420)	73 J	72 J	-	-
Benzo(a)pyrene	ug/Kg	ND (420)	73 J	57 J	-	-
Benzo(b)fluoranthene	ug/Kg	ND (420)	99 J	83 J	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (420)	ND (370)	ND (410)	-	-
Benzo(k)fluoranthene	ug/Kg	ND (420)	ND (370)	ND (410)	-	-
Chrysene	ug/Kg	ND (420)	80 J	73 J	-	-
Fluoranthene	ug/Kg	ND (420)	140 J	150 J	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (420)	ND (370)	ND (410)	-	-
Phenanthrene	ug/Kg	ND (420)	73 J	78 J	-	-
Pyrene	ug/Kg	ND (420)	110 J	120 J	-	-
PCBs						
Aroclor-1248	ug/Kg	-	-	-	ND (36)	ND (42)
Aroclor-1254	ug/Kg	-	-	-	ND (36)	ND (42)
Aroclor-1260	ug/Kg	-	-	-	ND (36)	ND (42)
Metals						
Aluminum	mg/Kg	14600	3030	9980	-	-
Arsenic	mg/Kg	11.1	4.1	3.0	-	-
Barium	mg/Kg	85.8	24.3	67.2	-	-
Calcium	mg/Kg	6590	34800	3070	-	-
Chromium	mg/Kg	21.6	32.4	13.8	-	-
Cobalt	mg/Kg	8.4	ND (5.5)	ND (6.2)	-	-
Copper	mg/Kg	19.6	14.2	14.0	-	-
Iron	mg/Kg	25900	21000	10400	-	-
Lead	mg/Kg	7.8	25.5	6.4	-	-
Magnesium	mg/Kg	6450	11900	2100	-	-
Manganese	mg/Kg	220	719	183	-	-
Nickel	mg/Kg	25.3	8.8	11.2	-	-
Potassium	mg/Kg	2240	595	1020	-	-
Selenium	mg/Kg	ND (0.64)	ND (0.55)	ND (0.62)	-	-
Vanadium	mg/Kg	29.4	17.9	20.5	-	-
Zinc	mg/Kg	58.2	127	29.3	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	31	92

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH191-00***	***BH192-00***	***BH192-00***	***BH192-00***	***BH193-00***	***BH193-00***
Sample ID:		***S-12609-041700-KMV-119***	***S-12609-041700-KMV-130***	***S-12609-041700-KMV-132***	***S-12609-041700-KMV-131***	***S-12609-041700-KMV-133***	***S-12609-041700-KMV-135***
Sample Depth:		***(5-7)***	***(0-2)***	***(3.5-5.5)***	***(5.5-7.5)***	***(0-2)***	***(3.5-5.5)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	ND (5.2)	-	-	-
2-Butanone	ug/Kg	-	-	ND (21)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (21)	-	-	-
Acetone	ug/Kg	-	-	ND (21) U	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	ND (2.6)	-	-	-
Ethylbenzene	ug/Kg	-	-	ND (5.2)	-	-	-
Methylene chloride	ug/Kg	-	-	1.2 U	-	-	-
Styrene	ug/Kg	-	-	ND (5.2)	-	-	-
Toluene	ug/Kg	-	-	ND (5.2)	-	-	-
Vinyl chloride	ug/Kg	-	-	ND (10)	-	-	-
Xylene (total)	ug/Kg	-	-	ND (10)	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (42)	ND (38)	ND (41)	ND (42)	ND (38)	ND (41)
Aroclor-1254	ug/Kg	ND (42)	61	ND (41)	ND (42)	ND (38)	ND (41)
Aroclor-1260	ug/Kg	ND (42)	ND (38)	ND (41)	ND (42)	ND (38)	ND (41)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	25	ND (12)	ND (13)	12	15

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH193-00***	***BH193-00***	***BH194-00***	***BH194-00***	***BH194-00***	***BH195-00***
Sample ID:		***S-12609-041700-KMV-134***	***S-12609-041700-KMV-140***	***S-12609-041700-KMV-127***	***S-12609-041700-KMV-129***	***S-12609-041700-KMV-128***	***S-12609-041700-KMV-124***
Sample Depth:		***(5.5-7.5)***	***(0-2)***	***(0-2)***	***(3.5-5.5)***	***(5.5-7.5)***	***(0-2)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	ND (4.6)	ND (5.8)	-	ND (4.9)
2-Butanone	ug/Kg	-	-	ND (18)	42	-	ND (19) U
4-Methyl-2-pentanone	ug/Kg	-	-	ND (18)	ND (23)	-	ND (19)
Acetone	ug/Kg	-	-	ND (18) U	150	-	ND (19) U
cis-1,2-Dichloroethene	ug/Kg	-	-	ND (2.3)	ND (2.9)	-	ND (2.4)
Ethylbenzene	ug/Kg	-	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Methylene chloride	ug/Kg	-	-	0.96 J	1.4 U	-	0.78 U
Styrene	ug/Kg	-	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Toluene	ug/Kg	-	-	0.56 J	0.54 J	-	0.40 J
Vinyl chloride	ug/Kg	-	-	ND (9.2)	ND (12)	-	ND (9.7)
Xylene (total)	ug/Kg	-	-	ND (9.2)	ND (12)	-	ND (9.7)
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (41)	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1254	ug/Kg	ND (41)	ND (37)	190	ND (2100)	ND (37)	ND (390)
Aroclor-1260	ug/Kg	ND (41)	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (11)	32	14	ND (11)	180

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH195-00***	***BH195-00***	***BH195-00***	***BH208-00***	***BH208-00***	***BH208-00***
Sample ID:		***S-12609-041700-KMV-126***	***S-12609-041700-KMV-125***	***S-12609-041700-KMV-139***	***S-12609-060800-DEN-134***	***S-12609-060800-DEN-135***	***S-12609-060800-DEN-136***
Sample Depth:		***(3.5-5.5)***	***(5.5-7.5)***	***(5.5-7.5)***	***(0-2)***	***(2-4)***	***(4-6)***
Sample Date:		***4/17/2000***	***4/17/2000***	***4/17/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)	ND (37)
Aroclor-1254	ug/Kg	ND (42)	ND (43)	ND (42)	150	1100	160
Aroclor-1260	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)	ND (37)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	ND (13)	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH208-00***	***BH208-00***	***BH208-00***	***BH209-00***	***BH209-00***	***BH210-00***
Sample ID:		***S-12609-060800-DEN-137***	***S-12609-060800-DEN-139***	***S-12609-060800-DEN-138***	***S-12609-060800-DEN-145***	***S-12609-060800-DEN-146***	***S-12609-060800-DEN-132***
Sample Depth:		***(4-6)***	***(6-8)***	***(8-10)***	***(0-2)***	***(2-4)***	***(0-2)***
Sample Date:		***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (380)	4900	1700	ND (39)	2600	ND (36)
Aroclor-1254	ug/Kg	610	ND (2100)	ND (760)	ND (39)	ND (380)	93
Aroclor-1260	ug/Kg	ND (380)	ND (2100)	ND (760)	ND (39)	ND (380)	ND (36)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH210-00***	***BH211-00***	***BH211-00***	***BH211-00***	***BH211-00***	***BH211-00***
Sample ID:		***S-12609-060800-DEN-133***	***S-12609-060800-DEN-140***	***S-12609-060800-DEN-141***	***S-12609-060800-DEN-142***	***S-12609-060800-DEN-143***	***S-12609-060800-DEN-144***
Sample Depth:		***(6-8)***	***(0-2)***	***(2-4)***	***(6-8)***	***(8-10)***	***(8-10)***
Sample Date:		***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (43)	ND (37)	4500	6400	6600 J	2700
Aroclor-1254	ug/Kg	ND (43)	ND (37)	ND (780)	ND (1900)	ND (400)	ND (390)
Aroclor-1260	ug/Kg	ND (43)	ND (37)	ND (780)	ND (1900)	ND (400)	ND (390)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH212-00***	***BH212-00***	***BH214-00***	***BH214-00***	***BH214-00***	***BH215-00***
Sample ID:		***S-12609-060800-DEN-127***	***S-12609-060800-DEN-128***	***S-12609-060800-DEN-129***	***S-12609-060800-DEN-130***	***S-12609-060800-DEN-131***	***S-12609-060200-DEN-024***
Sample Depth:		***(0-2)***	***(0-2)***	***(0-2)***	***(2-4)***	***(6-8)***	***(0-2)***
Sample Date:		***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/8/2000***	***6/2/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (200)	ND (38)	64000	ND (37)	ND (40)	ND (720)
Aroclor-1254	ug/Kg	ND (200)	210	ND (18000)	ND (37)	ND (40)	2700
Aroclor-1260	ug/Kg	ND (200)	ND (38)	ND (18000)	ND (37)	ND (40)	ND (720)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH215-00*	*BH215-00*	*BH215-00*	*BH216-00*	*BH216-00*	*BH216-00*
Sample ID:		*S-12609-060200-DEN-025*	*S-12609-060200-DEN-026*	*S-12609-060200-DEN-027*	*S-12609-060200-DEN-028*	*S-12609-060200-DEN-029*	*S-12609-060200-DEN-030*
Sample Depth:		*(2-4)*	*(6-8)*	*(8-10)*	*(0-2)*	*(2-4)*	*(6-8)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (38)	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1254	ug/Kg	ND (38)	ND (42)	ND (42)	800	ND (41)	ND (41)
Aroclor-1260	ug/Kg	ND (38)	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH216-00***	***BH216-00***	***BH216-00***	***BH248-00***	***BH248-00***	***BH249-00***
Sample ID:		***S-12609-060200-DEN-032***	***S-12609-060200-DEN-031***	***S-12609-060200-DEN-033***	***S-12609-071300-BN-007***	***S-12609-071300-BN-008***	***S-12609-071300-BN-005***
Sample Depth:		***(6-8)***	***(8-10)***	***(8-10)***	***(0-2)***	***(2-4)***	***(0-2)***
Sample Date:		***6/2/2000***	***6/2/2000***	***6/2/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)	ND (35)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)	150
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)	ND (35)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.2

SUMMARY OF ANALYTICAL DETECTIONS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH249-00***	***BH250-00***	***BH250-00***	***BH251-00***	***BH251-00***
Sample ID:		***S-12609-071300-BN-006***	***S-12609-071300-BN-003***	***S-12609-071300-BN-004***	***S-12609-071300-BN-001***	***S-12609-071300-BN-002***
Sample Depth:		***(2-4)***	***(0-2)***	***(2-4)***	***(0-2)***	***(2-4)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (360)	ND (39)	250	ND (39)
Aroclor-1254	ug/Kg	ND (38)	1700	ND (39)	ND (37)	ND (39)
Aroclor-1260	ug/Kg	ND (38)	ND (360)	ND (39)	ND (37)	ND (39)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.1.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDMIENT SAMPLES
TOLEDO, OHIO

Location:		***SED6-00***	***SED6-00-SED13-00***	***SED7-00***	***SED8-00***	***SED9-00***	***SED10-00***
Sample ID:		***S-12609-041200-DRD-400***	***S-12609-041200-DRD-408***	***S-12609-041200-DRD-401***	***S-12609-041200-DRD-402***	***S-12609-041200-DRD-403***	***S-12609-041200-DRD-404***
Sample Depth:		***(0-0.5)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***						
Volatiles							
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi - Volatiles							
Acenaphthene	ug/Kg	-	150 J	-	-	-	-
Anthracene	ug/Kg	-	480	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	1200	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	1400	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	1800	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	980	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	670	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	130 J	-	-	-	-
Carbazole	ug/Kg	-	140 J	-	-	-	-
Chrysene	ug/Kg	-	1500	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	190 J	-	-	-	-
Dibenzofuran	ug/Kg	-	120 J	-	-	-	-
Fluoranthene	ug/Kg	-	3300	-	-	-	-
Fluorene	ug/Kg	-	220 J	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	1100	-	-	-	-
Phenanthrene	ug/Kg	-	1800	-	-	-	-
Pyrene	ug/Kg	-	2600	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	640	-	2800 J	170	3800	3700
Aroclor-1254	ug/Kg	ND (46)	-	ND (450)	ND (42)	ND (270)	ND (650)
Metals							
Aluminum	mg/Kg	-	7760	-	-	-	-
Arsenic	mg/Kg	-	4.6	-	-	-	-
Barium	mg/Kg	-	48.4	-	-	-	-
Calcium	mg/Kg	-	12400	-	-	-	-
Chromium	mg/Kg	-	14.6	-	-	-	-
Copper	mg/Kg	-	19.5	-	-	-	-
Iron	mg/Kg	-	11900	-	-	-	-
Lead	mg/Kg	-	22.7	-	-	-	-
Magnesium	mg/Kg	-	5310	-	-	-	-
Manganese	mg/Kg	-	259	-	-	-	-
Nickel	mg/Kg	-	13.2	-	-	-	-
Potassium	mg/Kg	-	1250	-	-	-	-
Selenium	mg/Kg	-	1.1	-	-	-	-
Vanadium	mg/Kg	-	17.9	-	-	-	-
Zinc	mg/Kg	-	70.1	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (14)	-	15	ND (13)	19	200

e
J - Estimated.
- Not analyzed.

TABLE 3.1.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDMIENT SAMPLES
TOLEDO, OHIO

Location:		***SED11-00***	***SED12-00***	***SED13-00***	***SED17-00***	***SED18-00***	***SED19-00***
Sample ID:		***S-12609-041200-DRD-405***	***S-12609-041200-DRD-406***	***S-12609-041200-DRD-407***	***SD-12609-060100-DEN-03***	***SD-12609-060100-DEN-04***	***SD-12609-060100-DEN-02***
Sample Depth:		***(0-0.5)***	***(0-0.5)***	***(0-0.5)***			
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***						
Volatiles							
2-Butanone	ug/Kg	-	8.1 J	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	3.7 J	-	-	-	-
Acetone	ug/Kg	-	31 J	-	-	-	-
Methylene chloride	ug/Kg	-	1.7 J	-	-	-	-
Toluene	ug/Kg	-	0.86 J	-	-	-	-
Xylene (total)	ug/Kg	-	4.2 J	-	-	-	-
Semi - Volatiles							
Acenaphthene	ug/Kg	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (48)	ND (53)	ND (45)	ND (240)	4100	ND (42)
Aroclor-1254	ug/Kg	210	150	95	980	ND (260)	ND (42)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (15)	100	25	-	-	-

e
J - Estimated.
- Not analyzed.

TABLE 3.2.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
SOUTHEAST BERM
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*	*Pesticides*
Soil								
	BH100-98	3 - 5	x	x	x	x	x	
	BH104-98	4 - 6	x	x	x	x	x	
	BH105-98	1 - 6	x	x	x	x	x	
	BH111-98	7.6 - 8.3	x					
	BH112-98	9 - 11	x					
	BH113-98	8 - 9.5	x					
	BH114-98	7.5 - 8.3	x					
	BH115-98	7.8 - 10.2	x					
	BH116-98	6.9 - 10	x					
	BH155-99	8 - 10	x	x	x			
		10 - 12	x	x	x			
	BH156-99	8 - 10	x	x	x			
		10 - 12	x	x	x			
	BH157-99	8 - 10	x	x	x			
		10 - 12	x	x	x			
	BH158-99	8 - 10	x	x	x			
		10 - 12	x	x	x			
	BH159-99	8 - 10	x	x	x			
		10 - 12	x	x	x			
	BH160-99	8 - 10	x	x	x			
		14 - 16	x	x	x			
	BH161-99	8 - 10	x	x	x			
		14 - 16	x	x	x			
	BH162-00	0 - 2	x	x				
	BH163-00	0 - 2	x	x				
	BH164-00	0 - 2	x	x				
	BH165-00	0 - 2	x	x				
	BH166-00	0 - 2	x	x				
	BH167-00	0 - 2	x	x				
	BH168-00	0 - 2	x	x				
	BH169-00	0 - 2	x	x				
	BH170-00	0 - 2	x	x				
	BH196-00	12 - 13	x	x				
		13 - 14	x	x				
		14 - 15	x	x				
		15 - 16	x	x				
		16 - 17	x	x				
		12 - 17				x	x	
		12 - 13			x			
	BH197-00	0 - 2	x	x				
		6 - 8	x	x				
		8 - 10	x	x				
	BH198-00	0 - 2	x	x	x			
		4 - 6	x	x	x			
		6 - 8	x	x	x			
	BH220-00	0 - 2	x					
		2 - 4	x					
		4 - 6	x					
		6 - 8	x					
		8 - 10	x					
		10 - 12	x					
	BH221-00	0 - 2	x					
		2 - 4	x					
		4 - 6	x					
		6 - 8	x					

TABLE 3.2.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
SOUTHEAST BERM
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*	*Pesticides*
	BH222-00	0 - 2	x					
		2 - 4	x					
		4 - 6	x					
		6 - 8	x					
	BH223-00	0 - 2	x					
		2 - 4	x					
		4 - 6	x					
	BH224-00	0 - 2	x					
		4 - 6	x					
		7 - 9	x					
		9 - 11	x					
		11 - 12	x					
		12 - 13	x					
		13 - 14	x					
		14 - 15	x					
	BH225-00	0 - 2	x					
		2 - 4	x					
	BH226-00	0 - 2[(1)]	x					
		6.5 - 8.5	x					
		4.5 - 6.5	x					
	BH227-00	0 - 2	x					
		4 - 6	x					
		8 - 12	x	x				
		12 - 13	x					
		13 - 14	x					
		14 - 15	x					
		15 - 16	x					
	BH228-00	0 - 2	x					
		7 - 9	x					
		5 - 7	x					
	BH229-00	0 - 2	x					
		4 - 6[(1)]	x					
	BH230-00	0 - 2	x					
		4 - 6	x					
	BH231-00	4 - 8	x	x				
	BH232-00	0 - 2	x					
		4 - 6	x					
		4 - 8	x	x				
		8 - 9	x					
		9 - 10[(1)]	x					
		10 - 11	x					
		11 - 12	x					
	BH252-00	0 - 2	x					
		4 - 6	x					
		7 - 9	x					
		9 - 11[(1)]	x					
		11 - 12	x					
		12 - 13	x					
		13 - 14	x					
		14 - 15	x					
		15 - 16	x					
	BH253-00	0 - 2	x					
		4 - 6	x					
		6 - 7	x					
		7 - 9[(1)]	x					
		9 - 10	x					
		10 - 11	x					
		11 - 12	x					
		12 - 13	x					
		13 - 14	x					

TABLE 3.2.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
SOUTHEAST BERM
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*	*Pesticides*
	BH254-00	0 - 2[(1)]	x					
		4 - 6	x					
		7 - 9	x					
		9 - 11	x					
		11 - 12	x					
		12 - 13[(1)]	x					
		13 - 14	x					
		14 - 15	x					
		15 - 16	x					
	BH162-170, BH 197-198	0 - 2	x	x		x	x	
	BH197-198	0 - 2	x	x		x	x	
		2 - 4	x	x		x	x	
	MW100-98	7.8 - 10	x	x	x	x	x	
	MW105-98	12 - 13.5	x					
	MW106-98	12 - 15	x					
	MW112-99	8 - 9.5	x	x		x		
		9.5 - 10.5	x	x		x		
		10.5 - 12	x	x		x		
	SS1-00	0 - 0.5	x					
	SS2-00	0 - 0.5	x					
	SS3-00	0 - 0.5	x					
Groundwater								
	BH227-00	[(1)]	x					
	BH231-00	[(1)]	x					
	BH232-00		x					
	MW100-98	[(1)]	x	x	x	x	x	x
	MW105-98	[(1)]	x					
	MW106-98	[(1)]	x					
	MW112-99	[(1)]	x	x	x			

Notes:
[(1)] Duplicate samples were taken

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-100-98***	***BH-104-98***	***BH-105-98***	***BH-111-98***	***BH-112-98***
Sample ID:		***S-10236-010598-FCE-002***	***S-10236-011298-FCE-010***	***S-10236-011298-FCE-011***	***S-10236-030598-FCE-019***	***S-10236-030598-FCE-020***
Sample Depth:		***(3-5)***	***(4-6)***	***(1-6)***	***(7.6-8.3)***	***(9-11)***
Sample Date:		***1/5/1998***	***1/12/1998***	***1/12/1998***	***3/5/1998***	***3/5/1998***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
Methylene chloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Styrene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Toluene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	ND (30)	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	ND (390)	ND (330)	590	-	-
Phenanthrene	ug/Kg	ND (390)	ND (330)	530	-	-
Pyrene	ug/Kg	ND (390)	ND (330)	520	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	3600
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Metals						
Aluminum	mg/Kg	2800	2800 J	6400 J	-	-
Arsenic	mg/Kg	1.7 J	1.8	2.7	-	-
Barium	mg/Kg	24 J	14	59	-	-
Beryllium	mg/Kg	0.23	ND (0.26)	0.31 J	-	-
Cadmium	mg/Kg	0.17	0.064	0.32	-	-
Calcium	mg/Kg	5300 J	60000	10000	-	-
Chromium	mg/Kg	3.6	6.5	16	-	-
Cobalt	mg/Kg	3.6 J	2.9 J	3.4 J	-	-
Copper	mg/Kg	3.4 J	4.2 J	17 J	-	-
Iron	mg/Kg	3300	8200	10000	-	-
Lead	mg/Kg	6.2	6.8	24	-	-
Magnesium	mg/Kg	2600 J	20000	3900	-	-
Manganese	mg/Kg	90	300 J	120 J	-	-
Nickel	mg/Kg	3.8	5.7	9.8	-	-
Potassium	mg/Kg	230	400 J	380 J	-	-
Silver	mg/Kg	ND (0.5) UJ	0.64	0.86	-	-
Sodium	mg/Kg	26	97 J	38 J	-	-
Vanadium	mg/Kg	5.4	10 J	13 J	-	-
Zinc	mg/Kg	16 J	51 J	59 J	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	0.44	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-113-98***	***BH-114-98***	***BH-115-98***	***BH-116-98***	***BH-155-99***
Sample ID:		***S-10236-030598-FCE-021***	***S-10236-030598-FCE-023***	***S-10236-030598-FCE-024***	***S-10236-030598-FCE-025***	***S-12609-112399-DEN-01***
Sample Depth:		***(8-9.5)***	***(7.5-8.3)***	***(7.8-10.2)***	***(6.9-10)***	***(8-10)***
Sample Date:		***3/5/1998***	***3/5/1998***	***3/5/1998***	***3/5/1998***	***11/23/1999***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (4.5)
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (4.5)
2-Butanone	ug/Kg	-	-	-	-	ND (18) U
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	0.69
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.5)
Methylene chloride	ug/Kg	-	-	-	-	ND (4.5) U
Styrene	ug/Kg	-	-	-	-	ND (4.5) U
Toluene	ug/Kg	-	-	-	-	0.37
Trichloroethene	ug/Kg	-	-	-	-	ND (4.5)
Xylene (total)	ug/Kg	-	-	-	-	ND (9.0)
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (1800)	ND (1700)	ND (3800)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	8400	5300	25000
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (1800)	ND (1700)	ND (3800)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	8700
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-155-99***	***BH-156-99***	***BH-156-99***	***BH-157-99***	***BH-157-99***
Sample ID:		***S-12609-112399-DEN-02***	***S-12609-112399-DEN-03***	***S-12609-112399-DEN-04***	***S-12609-112399-DEN-05***	***S-12609-112399-DEN-06***
Sample Depth:		***(10-12)***	***(8-10)***	***(10-12)***	***(8-10)***	***(10-12)***
Sample Date:		***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	ND (5.0)	ND (4.9)	1.4	ND (4.8)	ND (4.8)
1,1-Dichloroethene	ug/Kg	0.81	0.38	6.3	1.0	4.5
2-Butanone	ug/Kg	8.2	ND (20) U	7.8	ND (19) U	12
4-Methyl-2-pentanone	ug/Kg	1.3	ND (20)	1.0	0.82	1.4
Carbon disulfide	ug/Kg	1.2	ND (4.9)	ND (5.4)	ND (4.8)	1.5
Methylene chloride	ug/Kg	ND (5.0) U	ND (4.9) U	ND (5.4) U	ND (4.8) U	ND (4.8) U
Styrene	ug/Kg	0.40	ND (4.9) U	0.26	ND (4.8) U	0.35
Toluene	ug/Kg	0.59	0.38	0.33	0.29	0.52
Trichloroethene	ug/Kg	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)	ND (4.8)
Xylene (total)	ug/Kg	ND (9.9) U	ND (9.9)	ND (11)	ND (9.7)	ND (9.6)
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (3800)	ND (1900)	ND (210)	ND (3900)	ND (3800)
Aroclor-1248	ug/Kg	35000	15000	1900	38000	44000
Aroclor-1254	ug/Kg	ND (3800)	ND (1900)	ND (210)	ND (3900)	ND (3800)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	3600	1100	180	3800	8600
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-158-99***	***BH-158-99***	***BH-159-99***	***BH-159-99***	***BH-160-99***
Sample ID:		***S-12609-112399-DEN-07***	***S-12609-112399-DEN-08***	***S-12609-112399-DEN-09***	***S-12609-112399-DEN-10***	***S-12609-112399-DEN-11***
Sample Depth:		***(8-10)***	***(10-12)***	***(8-10)***	***(10-12)***	***(8-10)***
Sample Date:		***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)
1,1-Dichloroethene	ug/Kg	ND (4.6)	3.2	2.4	ND (5.5)	0.40
2-Butanone	ug/Kg	7.0	ND (22) U	ND (20) U	ND (22) U	ND (22) U
4-Methyl-2-pentanone	ug/Kg	0.65	1.7	ND (20)	0.66	0.67
Carbon disulfide	ug/Kg	0.82	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)
Methylene chloride	ug/Kg	ND (4.6) U	ND (5.5) U	ND (4.9) U	ND (5.5) U	ND (5.4) U
Styrene	ug/Kg	ND (4.6)	ND (5.5) U	ND (4.9) U	ND (5.5)	ND (5.4) U
Toluene	ug/Kg	0.29	0.35	0.55	ND (5.5)	0.32
Trichloroethene	ug/Kg	2.2	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)
Xylene (total)	ug/Kg	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)
Aroclor-1248	ug/Kg	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)
Aroclor-1254	ug/Kg	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	39	ND (13)	ND (12)	ND (13)	ND (13)
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-160-99***	***BH-161-99***	***BH-161-99***	***BH162-00***	***BH163-00***
Sample ID:		***S-12609-112399-DEN-12***	***S-12609-112399-DEN-13***	***S-12609-112399-DEN-14***	***S-12609-041100-KMV-008***	***S-12609-041100-KMV-009***
Sample Depth:		***(14-16)***	***(8-10)***	***(14-16)***	***(0-2)***	***(0-2)***
Sample Date:		***11/23/1999***	***11/23/1999***	***11/23/1999***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	ND (6.1)	ND (5.7)	ND (5.5)	-	-
1,1-Dichloroethene	ug/Kg	4.3	2.2	3.2	-	-
2-Butanone	ug/Kg	ND (24) U	ND (23)	1.4	-	-
4-Methyl-2-pentanone	ug/Kg	ND (24)	0.58	0.77	-	-
Carbon disulfide	ug/Kg	ND (6.1)	ND (5.7)	ND (5.5)	-	-
Methylene chloride	ug/Kg	ND (6.1) U	ND (5.7) U	ND (5.5) U	-	-
Styrene	ug/Kg	ND (6.1)	ND (5.7) U	ND (5.5) U	-	-
Toluene	ug/Kg	ND (6.1)	0.51	ND (5.5) U	-	-
Trichloroethene	ug/Kg	ND (6.1)	ND (5.7)	ND (5.5)	-	-
Xylene (total)	ug/Kg	ND (12)	ND (11)	ND (11) U	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (42)	ND (36)	ND (37)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (42)	ND (36)	ND (37)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (42)	ND (36)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	ND (13)	19	18
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH164-00***	***BH165-00***	***BH166-00***	***BH167-00***	***BH168-00***
Sample ID:		***S-12609-041100-KMV-007***	***S-12609-041100-KMV-004***	***S-12609-041100-KMV-003***	***S-12609-041100-KMV-002***	***S-12609-041100-KMV-001***
Sample Depth:		***(0-2)***	***(0-2)***	***(0-2)***	***(0-2)***	***(0-2)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (37)	ND (200)	ND (37)	ND (35)	ND (37)
Aroclor-1248	ug/Kg	ND (37)	1400	ND (37)	ND (35)	ND (37)
Aroclor-1254	ug/Kg	ND (37)	ND (200)	ND (37)	ND (35)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	14	13	21	20
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH169-00***	***BH170-00***	***BH196-00***	***BH196-00***	***BH196-00***
Sample ID:		***S-12609-041100-KMV-005***	***S-12609-041100-KMV-006***	***S-12609-041200-KMV-19***	***S-12609-041200-KMV-25***	***S-12609-041200-KMV-24***
Sample Depth:		***(0-2)***	***(0-2)***	***(12-13)***	***(12-13)***	***(12-17)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	ND (4.8)	-
1,1-Dichloroethene	ug/Kg	-	-	-	1.1 J	-
2-Butanone	ug/Kg	-	-	-	3.2 J	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	ND (19)	-
Carbon disulfide	ug/Kg	-	-	-	ND (4.8)	-
Methylene chloride	ug/Kg	-	-	-	1.1 J	-
Styrene	ug/Kg	-	-	-	ND (4.8)	-
Toluene	ug/Kg	-	-	-	0.30 J	-
Trichloroethene	ug/Kg	-	-	-	ND (4.8)	-
Xylene (total)	ug/Kg	-	-	-	ND (9.6)	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	ND (420)
Phenanthrene	ug/Kg	-	-	-	-	ND (420)
Pyrene	ug/Kg	-	-	-	-	ND (420)
PCBs						
Aroclor-1242	ug/Kg	ND (37)	ND (36)	ND (44)	-	-
Aroclor-1248	ug/Kg	ND (37)	ND (36)	ND (44)	-	-
Aroclor-1254	ug/Kg	ND (37)	ND (36)	ND (44)	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	7220
Arsenic	mg/Kg	-	-	-	-	10.3
Barium	mg/Kg	-	-	-	-	42.2
Beryllium	mg/Kg	-	-	-	-	ND (0.63)
Cadmium	mg/Kg	-	-	-	-	ND (0.63)
Calcium	mg/Kg	-	-	-	-	56500
Chromium	mg/Kg	-	-	-	-	12.5
Cobalt	mg/Kg	-	-	-	-	ND (6.3)
Copper	mg/Kg	-	-	-	-	20.6
Iron	mg/Kg	-	-	-	-	23400
Lead	mg/Kg	-	-	-	-	9.1
Magnesium	mg/Kg	-	-	-	-	18700
Manganese	mg/Kg	-	-	-	-	221
Nickel	mg/Kg	-	-	-	-	18.7
Potassium	mg/Kg	-	-	-	-	1400
Silver	mg/Kg	-	-	-	-	ND (1.3)
Sodium	mg/Kg	-	-	-	-	ND (630)
Vanadium	mg/Kg	-	-	-	-	22.7
Zinc	mg/Kg	-	-	-	-	53.4
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	12	ND (13)	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH196-00***	***BH196-00***	***BH196-00***	***BH196-00***	***BH197-00***
Sample ID:		***S-12609-041200-KMV-20***	***S-12609-041200-KMV-21***	***S-12609-041200-KMV-22***	***S-12609-041200-KMV-23***	***S-12609-041100-KMV-013***
Sample Depth:		***(13-14)***	***(14-15)***	***(15-16)***	***(16-17)***	***(0-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (43)	ND (43)	ND (35)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (43)	ND (43)	ND (35)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (43)	ND (43)	ND (35)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	ND (13)	19	13
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH197-00***	***BH197-00***	***BH198-00***	***BH198-00***	***BH198-00***
Sample ID:		***S-12609-041100-KMV-014***	***S-12609-041100-KMV-015***	***S-12609-041100-KMV-010***	***S-12609-041100-KMV-011***	***S-12609-041100-KMV-012***
Sample Depth:		***(6-8)***	***(8-10)***	***(0-2)***	***(4-6)***	***(6-8)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	ND (5.2)	ND (5.3)	ND (5.2)
1,1-Dichloroethene	ug/Kg	-	-	ND (5.2)	ND (5.3)	ND (5.2)
2-Butanone	ug/Kg	-	-	ND (21)	ND (21)	ND (21)
4-Methyl-2-pentanone	ug/Kg	-	-	ND (21)	ND (21)	1.9 J
Carbon disulfide	ug/Kg	-	-	ND (5.2)	ND (5.3)	ND (5.2)
Methylene chloride	ug/Kg	-	-	ND (5.2) U	ND (5.3) U	2.1 U
Styrene	ug/Kg	-	-	ND (5.2)	ND (5.3)	ND (5.2)
Toluene	ug/Kg	-	-	0.37 J	ND (5.3)	0.42 J
Trichloroethene	ug/Kg	-	-	ND (5.2)	ND (5.3)	ND (5.2)
Xylene (total)	ug/Kg	-	-	1.0 J	0.90 J	0.90 J
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (38)	ND (4100)	ND (38)	ND (39)	ND (40)
Aroclor-1248	ug/Kg	ND (38)	39000 J	ND (38)	ND (39)	ND (40)
Aroclor-1254	ug/Kg	ND (38)	ND (4100)	ND (38)	ND (39)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	20	300	15	ND (12)	ND (12)
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH220-00***	***BH220-00***	***BH220-00***	***BH220-00***	***BH220-00***
Sample ID:		***S-12609-060200-DEN-034***	***S-12609-060200-DEN-035***	***S-12609-060200-DEN-036***	***S-12609-060200-DEN-037***	***S-12609-060200-DEN-038***
Sample Depth:		***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***	***(8-10)***
Sample Date:		***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (37)	ND (37)	ND (37)	ND (39)	ND (40)
Aroclor-1248	ug/Kg	ND (37)	ND (37)	ND (37)	ND (39)	ND (40)
Aroclor-1254	ug/Kg	ND (37)	ND (37)	ND (37)	ND (39)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH220-00***	***BH221-00***	***BH221-00***	***BH221-00***	***BH221-00***
Sample ID:		***S-12609-060200-DEN-039***	***S-12609-060100-DEN-09***	***S-12609-060100-DEN-10***	***S-12609-060600-DEN-84***	***S-12609-060600-DEN-85***
Sample Depth:		***(10-12)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***6/2/2000***	***6/1/2000***	***6/1/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)
Aroclor-1248	ug/Kg	5100	ND (40)	ND (38)	ND (42)	ND (43)
Aroclor-1254	ug/Kg	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH222-00***	***BH222-00***	***BH222-00***	***BH222-00***	***BH223-00***
Sample ID:		***S-12609-060600-DEN-86***	***S-12609-060600-DEN-87***	***S-12609-060600-DEN-88***	***S-12609-060600-DEN-89***	***S-12609-060500-DEN-51***
Sample Depth:		***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***	***(0-2)***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/5/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (41)	ND (40)	ND (38)	ND (380)	ND (37)
Aroclor-1248	ug/Kg	ND (41)	ND (40)	ND (38)	7400	ND (37)
Aroclor-1254	ug/Kg	ND (41)	ND (40)	ND (38)	ND (380)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH223-00***	***BH223-00***	***BH224-00***	***BH224-00***	***BH224-00***
Sample ID:		***S-12609-060500-DEN-52***	***S-12609-060500-DEN-53***	***S-12609-060500-DEN-54***	***S-12609-060500-DEN-55***	***S-12609-060500-DEN-57***
Sample Depth:		***(2-4)***	***(4-6)***	***(0-2)***	***(4-6)***	***(7-9)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (41)	ND (39)	ND (36)	ND (40)	ND (43000)
Aroclor-1248	ug/Kg	ND (41)	ND (39)	79	ND (40)	220000 J
Aroclor-1254	ug/Kg	ND (41)	ND (39)	ND (36)	ND (40)	ND (43000)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***
Sample ID:		***S-12609-060500-DEN-56***	***S-12609-060500-DEN-58***	***S-12609-060500-DEN-59***	***S-12609-060500-DEN-60***	***S-12609-060500-DEN-61***
Sample Depth:		***(9-11)***	***(11-12)***	***(12-13)***	***(13-14)***	***(14-15)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1248	ug/Kg	18000	240000 J	4200	12000	1200
Aroclor-1254	ug/Kg	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH225-00***	***BH225-00***	***BH226-00***	***BH226-00***	***BH226-00***
Sample ID:		***S-12609-060100-DEN-12***	***S-12609-060100-DEN-13***	***S-12609-060500-DEN-48***	***S-12609-060500-DEN-49***	***S-12609-060500-DEN-50***
Sample Depth:		***(0-2)***	***(2-4)***	***(0-2)***	***(0-2)***	***(4.5-6.5)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	ND (37)	-	320
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH226-00***	***BH227-00***	***BH227-00***	***BH227-00***	***BH227-00***
Sample ID:		***S-12609-060500-DEN-49***	***S-12609-060500-DEN-62***	***S-12609-060500-DEN-63***	***S-12609-060500-DEN-64***	***S-12609-060500-DEN-65***
Sample Depth:		***(6.5-8.5)***	***(0-2)***	***(4-6)***	***(8-12)***	***(12-13)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (830)	ND (36)	ND (37)	ND (41)	ND (42)
Aroclor-1248	ug/Kg	ND (830)	ND (36)	ND (37)	53	ND (42)
Aroclor-1254	ug/Kg	14000	ND (36)	ND (37)	ND (41)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	6.6	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH227-00*	*BH227-00*	*BH227-00*	*BH228-00*	*BH228-00*
Sample ID:		*S-12609-060500-DEN-66*	*S-12609-060500-DEN-67*	*S-12609-060500-DEN-68*	*S-12609-060500-DEN-45*	*S-12609-060500-DEN-47*
Sample Depth:		*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*	*(5-7)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (42)	ND (39)	ND (40)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (42)	ND (39)	ND (40)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (42)	ND (39)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH228-00***	***BH229-00***	***BH229-00***	***BH229-00***	***BH230-00***
Sample ID:		***S-12609-060500-DEN-46***	***S-12609-060200-DEN-040***	***S-12609-060200-DEN-041***	***S-12609-060200-DEN-042***	***S-12609-060200-DEN-043***
Sample Depth:		***(7-9)***	***(0-2)***	***(4-6)***	***(4-6)***	***(0-2)***
Sample Date:		***6/5/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)
Aroclor-1248	ug/Kg	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)
Aroclor-1254	ug/Kg	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH230-00***	***BH231-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***S-12609-060200-DEN-044***	***S-12609-060100-DEN-11***	***S-12609-060600-DEN-90***	***S-12609-060600-DEN-91***	***S-12609-060600-DEN-92***
Sample Depth:		***(4-6)***	***(4-8)***	***(0-2)***	***(4-6)***	***(4-8)***
Sample Date:		***6/2/2000***	***6/1/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (38)	ND (430)	ND (36)	ND (39)	ND (40)
Aroclor-1248	ug/Kg	ND (38)	6700	ND (36)	ND (39)	ND (40)
Aroclor-1254	ug/Kg	ND (38)	ND (430)	ND (36)	ND (39)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	7.3	-	-	6.7

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***S-12609-060600-DEN-93***	***S-12609-060600-DEN-94***	***S-12609-060600-DEN-95***	***S-12609-060600-DEN-96***	***S-12609-060600-DEN-97***
Sample Depth:		***(8-9)***	***(9-10)***	***(9-10)***	***(10-11)***	***(11-12)***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (41)	ND (40)	ND (41)	ND (4300)	ND (3900)
Aroclor-1248	ug/Kg	ND (41)	ND (40)	ND (41)	30000	35000 J
Aroclor-1254	ug/Kg	ND (41)	ND (40)	ND (41)	ND (4300)	ND (3900)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***
Sample ID:		***S-12609-071300-BN-020***	***S-12609-071300-BN-021***	***S-12609-071300-BN-022***	***S-12609-071300-BN-023***	***S-12609-071300-BN-024***
Sample Depth:		***(0-2)***	***(4-6)***	***(7-9)***	***(9-11)***	***(9-11)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (35)	ND (39)	13000	96000	81000
Aroclor-1248	ug/Kg	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1254	ug/Kg	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***
Sample ID:		***S-12609-071300-BN-025***	***S-12609-071300-BN-026***	***S-12609-071300-BN-027***	***S-12609-071300-BN-028***	***S-12609-071300-BN-029***
Sample Depth:		***(11-12)***	***(12-13)***	***(13-14)***	***(14-15)***	***(15-16)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	15000	4400	400	45	ND (42)
Aroclor-1248	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)
Aroclor-1254	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***
Sample ID:		***S-12609-071300-BN-030***	***S-12609-071300-BN-031***	***S-12609-071300-BN-032***	***S-12609-071300-BN-033***	***S-12609-071300-BN-034***
Sample Depth:		***(0-2)***	***(4-6)***	***(6-7)***	***(7-9)***	***(7-9)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (35)	ND (40)	1000	12000	ND (1900)
Aroclor-1248	ug/Kg	ND (35)	ND (40)	ND (78)	ND (810)	29000
Aroclor-1254	ug/Kg	ND (35)	540	ND (78)	ND (810)	ND (1900)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***
Sample ID:		***S-12609-071300-BN-035***	***S-12609-071300-BN-036***	***S-12609-071300-BN-037***	***S-12609-071300-BN-038***	***S-12609-071300-BN-039***
Sample Depth:		***(9-10)***	***(10-11)***	***(11-12)***	***(12-13)***	***(13-14)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	44000	3900	120	ND (42)	690
Aroclor-1248	ug/Kg	ND (2300)	ND (440)	ND (43)	ND (42)	ND (44)
Aroclor-1254	ug/Kg	ND (2300)	ND (440)	ND (43)	ND (42)	ND (44)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***
Sample ID:		***S-12609-071300-BN-009***	***S-12609-071300-BN-010***	***S-12609-071300-BN-011***	***S-12609-071300-BN-012***	***S-12609-071300-BN-013***
Sample Depth:		***(0-2)***	***(0-2)***	***(4-6)***	***(7-9)***	***(9-11)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)
Aroclor-1248	ug/Kg	ND (36)	ND (36)	ND (73)	ND (39)	780
Aroclor-1254	ug/Kg	ND (36)	ND (36)	730	ND (39)	ND (190)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***
Sample ID:		***S-12609-071300-BN-014***	***S-12609-071300-BN-015***	***S-12609-071300-BN-016***	***S-12609-071300-BN-017***	***S-12609-071300-BN-018***
Sample Depth:		***(11-12)***	***(12-13)***	***(12-13)***	***(13-14)***	***(14-15)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1242	ug/Kg	ND (44)	ND (42)	ND (42)	ND (41)	ND (41)
Aroclor-1248	ug/Kg	ND (44)	ND (42)	ND (42)	ND (41)	ND (41)
Aroclor-1254	ug/Kg	ND (44)	ND (42)	ND (42)	ND (41)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH254-00***	***Comp BH162-170,BH197-198***	***Comp BH197-198***	***Comp BH197-198***	***MW-100-98***
Sample ID:		***S-12609-071300-BN-019***	***S-12609-041100-KMV-016***	***S-12609-041100-KMV-018***	***S-12609-041100-KMV-017***	***S-10236-010598-FCE-001***
Sample Depth:		***(15-16)***	***(0-2)***	***(0-2)***	***(2-4)***	***(7.8-10)***
Sample Date:		***7/13/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***1/5/1998***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (10)
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (10)
2-Butanone	ug/Kg	-	-	-	-	ND (100)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (100)
Carbon disulfide	ug/Kg	-	-	-	-	ND (100)
Methylene chloride	ug/Kg	-	-	-	-	ND (10)
Styrene	ug/Kg	-	-	-	-	ND (10)
Toluene	ug/Kg	-	-	-	-	ND (10)
Trichloroethene	ug/Kg	-	-	-	-	ND (10)
Xylene (total)	ug/Kg	-	-	-	-	ND (30)
Semi-Volatiles						
Fluoranthene	ug/Kg	-	ND (360)	ND (1700)	ND (390)	ND (420)
Phenanthrene	ug/Kg	-	ND (360)	ND (1700)	ND (390)	ND (420)
Pyrene	ug/Kg	-	ND (360)	ND (1700)	ND (390)	ND (420)
PCBs						
Aroclor-1242	ug/Kg	ND (42)	ND (36)	ND (4100)	ND (39)	ND (4200)
Aroclor-1248	ug/Kg	ND (42)	ND (36)	30000 J	ND (39)	25000
Aroclor-1254	ug/Kg	ND (42)	ND (36)	ND (4100)	ND (39)	ND (4200)
Total PCBs	ug/Kg	-	-	-	-	25000
Metals						
Aluminum	mg/Kg	-	5840	8860	6610	6300
Arsenic	mg/Kg	-	2.2	3.3	4.7	9.3 J
Barium	mg/Kg	-	30.6	65.2	53.5	93 J
Beryllium	mg/Kg	-	ND (0.55)	ND (0.63)	ND (0.59)	0.69
Cadmium	mg/Kg	-	ND (0.55)	ND (0.63)	ND (0.59)	0.36
Calcium	mg/Kg	-	2800	2080	2130	4500 J
Chromium	mg/Kg	-	8.1	13.9	11.6	12
Cobalt	mg/Kg	-	ND (5.5)	ND (6.3)	ND (5.9)	14 J
Copper	mg/Kg	-	4.7	8.6	4.4	12 J
Iron	mg/Kg	-	6930	11200	12100	20000
Lead	mg/Kg	-	6.0	7.0	7.0	14
Magnesium	mg/Kg	-	1810	1910	1590	3700 J
Manganese	mg/Kg	-	84.7	358	422	360
Nickel	mg/Kg	-	6.5	11.1	8.3	19
Potassium	mg/Kg	-	ND (552)	925	ND (587)	620
Silver	mg/Kg	-	ND (1.1)	ND (1.3)	ND (1.2)	ND (0.5) UJ
Sodium	mg/Kg	-	ND (552)	ND (625)	ND (587)	85
Vanadium	mg/Kg	-	13.2	19.2	17.3	23
Zinc	mg/Kg	-	23.2	37.8	37.2	94 J
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	180000
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	18	190	ND (12)	-
Cyanide (total)	mg/Kg	-	-	-	-	ND (0.2)
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-105-98***	***MW-106-98***	***MW-112-99***	***MW-112-99***	***MW-112-99***
Sample ID:		***S-10236-030598-FCE-018***	***S-10236-030598-FCE-022***	***S-12609-081799-DN-01***	***S-12609-081799-DN-02***	***S-12609-081799-DN-03***
Sample Depth:		***(12-13.5)***	***(12-15)***	***(8-9.5)***	***(9.5-10.5)***	***(10.5-12)***
Sample Date:		***3/5/1998***	***3/5/1998***	***8/17/1999***	***8/17/1999***	***8/17/1999***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi-Volatiles						
Fluoranthene	ug/Kg	-	-	ND (380)	ND (390)	ND (390)
Phenanthrene	ug/Kg	-	-	ND (380)	ND (390)	ND (390)
Pyrene	ug/Kg	-	-	ND (380)	ND (390)	ND (390)
PCBs						
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (760)	ND (2000)	ND (2000)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	13000	15000	26000
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (760)	ND (2000)	ND (2000)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	480 J	150 J	870 J
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	s.u.	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.2

SUMMARY OF ANALYTICAL DETECTIONS

SOUTHEAST BERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***SS1-00***	***SS2-00***	***SS3-00***
Sample ID:		***SS-12609-060100-DEN-06***	***SS-12609-060100-DEN-07***	***SS-12609-060100-DEN-08***
Sample Depth:		***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***			
Volatiles				
1,1-Dichloroethane	ug/Kg	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-
2-Butanone	ug/Kg	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-
Carbon disulfide	ug/Kg	-	-	-
Methylene chloride	ug/Kg	-	-	-
Styrene	ug/Kg	-	-	-
Toluene	ug/Kg	-	-	-
Trichloroethene	ug/Kg	-	-	-
Xylene (total)	ug/Kg	-	-	-
Semi-Volatiles				
Fluoranthene	ug/Kg	-	-	-
Phenanthrene	ug/Kg	-	-	-
Pyrene	ug/Kg	-	-	-
PCBs				
Aroclor-1242	ug/Kg	ND (40)	ND (38) UJ	ND (37)
Aroclor-1248	ug/Kg	350	220 J	ND (37)
Aroclor-1254	ug/Kg	ND (40)	ND (38) UJ	130
Total PCBs	ug/Kg	-	-	-
Metals				
Aluminum	mg/Kg	-	-	-
Arsenic	mg/Kg	-	-	-
Barium	mg/Kg	-	-	-
Beryllium	mg/Kg	-	-	-
Cadmium	mg/Kg	-	-	-
Calcium	mg/Kg	-	-	-
Chromium	mg/Kg	-	-	-
Cobalt	mg/Kg	-	-	-
Copper	mg/Kg	-	-	-
Iron	mg/Kg	-	-	-
Lead	mg/Kg	-	-	-
Magnesium	mg/Kg	-	-	-
Manganese	mg/Kg	-	-	-
Nickel	mg/Kg	-	-	-
Potassium	mg/Kg	-	-	-
Silver	mg/Kg	-	-	-
Sodium	mg/Kg	-	-	-
Vanadium	mg/Kg	-	-	-
Zinc	mg/Kg	-	-	-
General Chemistry				
Diesel range organics (DRO)	ug/Kg	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-
Cyanide (total)	mg/Kg	-	-	-
pH Corrosivity	s.u.	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE 3.2.3

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Sample ID:		*BH227-00*	*BH227-00*	*BH231-00*	*BH231-00*	*BH232-00*	*BH232-00*
		W-12609-060500-DEN-69 (DISSOLV	*W-12609-060500-DEN-69*	*W-12609-060100-DEN-19 (DISSOLV*	*W-12609-060100-DEN-19*	*W-12609-060600-DEN-100 (DISSOL*	*W-12609-060600-DEN-100*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/1/2000*	*6/1/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethane	ug/L	-	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-	-
Semi-Volatiles							
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-
PCBs							
Aroclor-1016	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)	ND (1.0) UJ	ND (5.0)
Aroclor-1242	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)	ND (1.0) UJ	6.1
Aroclor-1248	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	290	ND (1.0) UJ	ND (5.0)
Metals							
Arsenic (Dissolved)	mg/L	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-
General Chemistry							
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.2.3

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*
Sample ID:		*W-12609-060600-DEN-101 (DISSOL*	*W-12609-060600-DEN-101*	*W-12609-060600-DEN-98(DISSOLVE*	*W-12609-060600-DEN-98*	*W-12609-060600-DEN-99 (DISSOLV*	*W-12609-060600-DEN-99*
Sample Date:		*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethane	ug/L	-	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-	-
Semi-Volatiles							
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-
PCBs							
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0) UJ	10	ND (1.0) UJ	15 J
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Metals							
Arsenic (Dissolved)	mg/L	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-
General Chemistry							
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.2.3

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*
Sample ID:		*GW-10236-010798-TJ-001*	*GW-10236-021698-SM-005*	*GW-10236-021698-SM-006*	*GW-10236-030698-FCE-012*	*GW-10236-030698-FCE-013*	*W-12609-021000-DEN-01*	*W-12609-041800-KMV-806*
Sample Date:		*1/7/1998*	*2/16/1998*	*2/16/1998*	*3/6/1998*	*3/6/1998*	*2/10/2000*	*4/18/2000*
				Duplicate		*Duplicate*		
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-	-	-	-
2-Butanone	ug/L	ND (50)	ND (50)	ND (50)	-	-	-	-
Acetone	ug/L	ND (100)	ND (100)	ND (100)	-	-	-	-
Benzene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	-	-	-	-
Semi-Volatiles								
bis(2-Ethylhexyl)phthalate	ug/L	23	ND (10)	ND (10)	-	-	-	-
PCBs								
Aroclor-1016	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-	-	84	ND (10)
Aroclor-1242	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-	-	ND (50)	ND (10)
Aroclor-1248	ug/L	13	92	86	76	4.3	ND (50)	54
Metals								
Arsenic (Dissolved)	mg/L	0.031	0.034	0.035	-	-	-	-
Arsenic	mg/L	0.031	0.034	0.035	-	-	-	-
Calcium (Dissolved)	mg/L	78	65	65	-	-	-	-
Calcium	mg/L	78	65	65	-	-	-	-
Iron (Dissolved)	mg/L	15	17	17	-	-	-	-
Iron	mg/L	15 J	17	17	-	-	-	-
Lead (Dissolved)	mg/L	ND (0.003)	ND (0.003)	0.0042	-	-	-	-
Lead	mg/L	ND (0.003)	ND (0.003)	0.0042	-	-	-	-
Magnesium (Dissolved)	mg/L	23	19	19	-	-	-	-
Magnesium	mg/L	23	19	19	-	-	-	-
Manganese (Dissolved)	mg/L	3.8	3.5	3.5	-	-	-	-
Manganese	mg/L	3.8	3.5	3.5	-	-	-	-
Mercury (Dissolved)	mg/L	ND (0.0002)	0.00064	0.00064	-	-	-	-
Mercury	mg/L	ND (0.0002)	0.00064	0.00064	-	-	-	-
Potassium (Dissolved)	mg/L	1.1	0.73	0.72	-	-	-	-
Potassium	mg/L	1.1	0.73	0.72	-	-	-	-
Silver (Dissolved)	mg/L	0.0014	ND (0.0005) UJ	ND (0.0005) UJ	-	-	-	-
Silver	mg/L	0.0014	ND (0.0005) UJ	ND (0.0005) UJ	-	-	-	-
Sodium (Dissolved)	mg/L	46	39	39	-	-	-	-
Sodium	mg/L	46	39	39	-	-	-	-
Zinc (Dissolved)	mg/L	0.028 J	ND (0.02)	ND (0.02)	-	-	-	-
Zinc	mg/L	0.028 J	0.052	0.044	-	-	-	-
General Chemistry								
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-100-98*	*MW-100-98*	*MW-105-98*	*MW-105-98*	*MW-105-98*	*MW-106-98*	*MW-106-98*
Sample ID:		*W-12609-041800-KMV-807*	*W-12609-041800-KMV-808*	*W-12609-020900-DEN-01*	*W-12609-041800-KMV-804*	*W-12609-041800-KMV-805*	*W-12609-020900-DEN-02*	*W-12609-041800-KMV-800*
Sample Date:		*4/18/2000*	*4/18/2000*	*2/9/2000*	*4/18/2000*	*4/18/2000*	*2/9/2000*	*4/18/2000*
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethane	ug/L	-	-	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-	-	-
Semi-Volatiles								
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/L	ND (1.0)	ND (20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	140	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Metals								
Arsenic (Dissolved)	mg/L	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-
General Chemistry								
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.2.3

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-106-98***	***MW-106-98***	***MW-112-99***	***MW-112-99***	***MW-112-99***
Sample ID:		***W-12609-041800-KMV-801***	***W-12609-041800-KMV-802***	***W-12609-091499-DN-08***	***W-12609-041800-KMV-809***	***W-12609-041800-KMV-810***
Sample Date:		***4/18/2000***	***4/18/2000***	***9/14/1999***	***4/18/2000***	***4/18/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/L	-	-	1.4	-	-
2-Butanone	ug/L	-	-	28	-	-
Acetone	ug/L	-	-	11	-	-
Benzene	ug/L	-	-	0.16 J	-	-
Semi-Volatiles						
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-
PCBs						
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	-	3.6	ND (1.0)
Metals						
Arsenic (Dissolved)	mg/L	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-
Iron	mg/L	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-
Lead	mg/L	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-
Silver	mg/L	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-
General Chemistry						
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	0.51	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.3.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
EXISTING STORMWATER POND
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	BH140-98	0 - 3	x				
		3 - 6	x				
	BH141-98	0 - 3	x				
		3 - 6	x				
	BH142-98	0 - 3	x				
		3 - 6[(1)]	x				
	BH143-98	0 - 3	x				
		3 - 6	x				
	BH144-98	0 - 3	x				
		3 - 6	x				
	BH145-98	0 - 3	x				
		3 - 6	x				
	BH146-98	0 - 4	x				
	BH147-98	0 - 3	x				
		3 - 6	x				
		6 - 9	x				
	BH148-98	0 - 3	x				
		3 - 6	x				
		6 - 9	x				
	BH153-99	4 - 6	x	x		x	
		8 - 10	x	x		x	
	MW107-99	6 - 8		x		x	
	MW108-99	8 - 10		x		x	
	MW109-99	9 - 10		x		x	
		14 - 15		x		x	
Groundwater							
	MW107-99	--[(1)]	x	x	x	x	x
	MW108-99	--[(1)]	x	x		x	x
	MW109-99	--	x	x		x	

Notes:
[(1)] Duplicate samples were taken

TABLE 3.3.2

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-140-98***	***BH-140-98***	***BH-141-98***	***BH-141-98***	***BH-142-98***
Sample ID:		***S-10236-060398-TJ-054A***	***S-10236-060398-TJ-054B***	***S-10236-060398-TJ-055A***	***S-10236-060398-TJ-055B***	***S-10236-060398-TJ-056A***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	1200	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	1200	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.3.2

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-142-98***	***BH-142-98***	***BH-143-98***	***BH-143-98***	***BH-144-98***
Sample ID:		***S-10236-060398-TJ-056B***	***S-10236-060398-TJ-056E***	***S-10236-060398-TJ-057A***	***S-10236-060398-TJ-057B***	***S-10236-060398-TJ-058A***
Sample Depth:		***(3-6)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
			Duplicate			
Parameter	***Unit***					
Semi - Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.3.2

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-144-98***	***BH-145-98***	***BH-145-98***	***BH-146-98***	***BH-147-98***
Sample ID:		***S-10236-060398-TJ-058B***	***S-10236-060398-TJ-059A***	***S-10236-060398-TJ-059B***	***S-10236-060398-TJ-060A***	***S-10236-060398-TJ-061A***
Sample Depth:		***(3-6)***	***(0-3)***	***(3-6)***	***(0-4)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.3.2

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-147-98***	***BH-147-98***	***BH-148-98***	***BH-148-98***	***BH-148-98***
Sample ID:		***S-10236-060398-TJ-061B***	***S-10236-060398-TJ-061C***	***S-10236-060398-TJ-062A***	***S-10236-060398-TJ-062B***	***S-10236-060398-TJ-062E***
Sample Depth:		***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***	***(6-9)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
Fluoranthene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	7100	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	7100	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.3.2

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-153-99***	***BH-153-99***	***MW-107-99***	***MW-108-99***	***MW-109-99***	***MW-109-99***
Sample ID:		***S-12609-081899-DN-16***	***S-12609-081899-DN-17***	***S-12609-MW-107-99***	***S-12609-MW-108-99***	***S-12609-MW-109-99***	***S-12609-MW-109-99***
Sample Depth:		***(4-6)***	***(8-10)***	***(6-8)***	***(8-10)***	***(9-10)***	***(14-15)***
Sample Date:		***8/18/1999***	***8/18/1999***	***8/11/1999***	***8/11/1999***	***8/12/1999***	***8/12/1999***
Parameter	***Unit***						
Semi - Volatiles							
Fluoranthene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	43 J	ND (400)
PCBs							
Aroclor-1248	ug/Kg	ND (34)	ND (43)	ND (42) UJ	ND (41) UJ	ND (39) UJ	ND (40) UJ
Total PCBs	ug/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10)	ND (13)	ND (13)	ND (13)	ND (12)	56

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.3.3

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-107-99***	***MW-108-99***
Sample ID:		***W-12609-090899-DN-01***	***W-12609-090899-DN-02***
Sample Date:		***9/8/1999***	***9/8/1999***
Parameter	***Unit***		
Metals			
Sodium	mg/L	24.7	24.4
General Chemistry			
Chemical Oxygen Demand (COD)	mg/L	28	23
Chemical oxygen demand, dissolved	mg/L	31	31
Chloride	mg/L	38.4	37.1
Hardness	mg/L	138	134
Nitrate (as N)	mg/L	0.67	0.78
Sulfate	mg/L	52.8	49.6
Total Dissolved Solids (TDS)	mg/L	250	240
Total Suspended Solids (TSS)	mg/L	ND (4.0)	5.0

TABLE 3.4.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	BH180-00[2]	0 - 2	x	x			
		2.5 - 4.5	x	x			
		4.5 - 6.5	x	x	x		
	BH186-00[2]	0 - 2	x	x			
		3.5 - 5.5[1]	x	x			
		5.5 - 7.5	x	x			
	BH187-00[2]	6.5 - 8.5	x	x			
		9.5 - 11.5	x	x			
		11.5 - 13.5	x	x	x		
	BH199-00	0 - 4	x	x			
		4 - 8	x	x	x		
		8 - 12	x	x		x	x
		12 - 16	x	x			
		16 - 20	x	x			
	BH200-00	0 - 3	x	x			
	BH201-00	0 - 3	x	x	x		
	BH202-00	0 - 4	x	x	x		
		4 - 8[1]	x	x			
		8 - 12	x	x			
	BH203-00	0 - 4[1]	x	x			
		4 - 8	x	x			
		8 - 12[1]	x	x			
		12 - 14	x	x	x		
	BH204-00	0 - 4[1]	x	x			
		4 - 8[1]	x	x			
		8 - 12	x	x	x	x	
		12 - 16[1]	x	x			
		16 - 20	x	x	x		
	BH205-00	0 - 1.5	x	x		x	x
	BH206-00	0 - 3	x	x			
	BH207-00	0 - 4	x	x			
		4 - 8	x	x			
		8 - 10	x	x			
	BH217-00	0 - 12	x	x			
	BH218-00	0 - 20	x	x			
	BH219-00	0 - 20	x	x			
	BH233-00		x	x			

Notes:
[1] Duplicate samples were taken
[2] Borehole was used in another area of interest

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH180-00***	***BH180-00***	***BH180-00***	***BH186-00***	***BH186-00***
Sample ID:		***S-12609-041400-KMV-85***	***S-12609-041400-KMV-87***	***S-12609-041400-KMV-86***	***S-12609-041400-KMV-100***	***S-12609-041400-KMV-102***
Sample Depth:		***(0-2)***	***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***	***(3.5-5.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethene	ug/Kg	-	-	ND (0.22)	-	-
2-Butanone	ug/Kg	-	-	ND (1.1)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (0.50)	-	-
Acetone	ug/Kg	-	-	ND (22) U	-	-
Benzene	ug/Kg	-	-	ND (0.30)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	0.89 J	-	-
Ethylbenzene	ug/Kg	-	-	ND (0.26)	-	-
Methylene chloride	ug/Kg	-	-	ND (0.27)	-	-
Toluene	ug/Kg	-	-	ND (0.16)	-	-
Xylene (total)	ug/Kg	-	-	ND (0.79)	-	-
		-	-		-	-
Semi-Volatiles						
Anthracene	ug/Kg	-	-	-		
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-		
PCBs						
Aroclor-1248	ug/Kg	ND (8.9)	ND (10)	ND (11)	ND (37)	ND (40)
Aroclor-1254	ug/Kg	ND (22)	ND (25)	ND (26)	ND (37)	ND (40)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
pH Corrosivity	s.u.	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	12	ND (8.4)	ND (8.8)	100	ND (12)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH186-00***	***BH186-00***	***BH187-00***	***BH187-00***	***BH187-00***
Sample ID:		***S-12609-041400-KMV-101***	***S-12609-041400-KMV-104***	***S-12609-041700-KMV-108***	***S-12609-041700-KMV-110***	***S-12609-041700-KMV-109***
Sample Depth:		***(5.5-7.5)***	***(5.5-7.5)***	***(6.5-8.5)***	***(9.5-11.5)***	***(11.5-13.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (5.8)
2-Butanone	ug/Kg	-	-	-	-	ND (23)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (23)
Acetone	ug/Kg	-	-	-	-	ND (23) U
Benzene	ug/Kg	-	-	-	-	ND (2.9)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (5.8)
Ethylbenzene	ug/Kg	-	-	-	-	1.3 U
Methylene chloride	ug/Kg	-	-	-	-	ND (5.8)
Toluene	ug/Kg	-	-	-	-	0.45 J
Xylene (total)	ug/Kg	-	-	-	-	ND (12)
		-	-	-	-	ND (12)
Semi-Volatiles						
Anthracene	ug/Kg					
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg					
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1254	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
pH Corrosivity	s.u.	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (12)	ND (11)	ND (12)	ND (13)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH199-00***	***BH199-00***	***BH199-00***	***BH199-00***	***BH199-00***	***BH200-00***	***BH201-00***
Sample ID:		***S-12609-041300-KMV-70***	***S-12609-041300-KMV-71***	***S-12609-041300-KMV-72***	***S-12609-041300-KMV-73***	***S-12609-041300-KMV-74***	***S-12609-041400-KMV-75***	***S-12609-041300-KMV-59***
Sample Depth:		***(0-4)***	***(4-8)***	***(8-12)***	***(12-16)***	***(16-20)***	***(0-3)***	***(0-3)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/13/2000***
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
2-Butanone	ug/Kg	-	ND (19)	-	-	-	-	ND (20)
4-Methyl-2-pentanone	ug/Kg	-	1.5 J	-	-	-	-	ND (20)
Acetone	ug/Kg	-	ND (19) U	-	-	-	-	ND (20) U
Benzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.4)	-	-	-	-	ND (2.6)
Ethylbenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Methylene chloride	ug/Kg	-	ND (4.8) U	-	-	-	-	1.2 J
Toluene	ug/Kg	-	0.75 J	-	-	-	-	0.53 J
Xylene (total)	ug/Kg	-	1.6 J	-	-	-	-	0.77 J
Semi-Volatiles								
Anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	ND (390)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Chrysene	ug/Kg	-	-	44 J	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Fluoranthene	ug/Kg	-	-	78 J	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	ND (390)	-	-	-	-
Phenanthrene	ug/Kg	-	-	ND (390)	-	-	-	-
Pyrene	ug/Kg	-	-	70 J	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (21)	ND (40)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	780	ND (40)
Metals								
Aluminum	mg/Kg	-	-	4250	-	-	-	-
Arsenic	mg/Kg	-	-	3.2	-	-	-	-
Barium	mg/Kg	-	-	ND (23.8)	-	-	-	-
Calcium	mg/Kg	-	-	4970	-	-	-	-
Chromium	mg/Kg	-	-	7.5	-	-	-	-
Cobalt	mg/Kg	-	-	ND (5.9)	-	-	-	-
Copper	mg/Kg	-	-	5.4	-	-	-	-
Iron	mg/Kg	-	-	6980	-	-	-	-
Lead	mg/Kg	-	-	4.7	-	-	-	-
Magnesium	mg/Kg	-	-	2660	-	-	-	-
Manganese	mg/Kg	-	-	73.6	-	-	-	-
Nickel	mg/Kg	-	-	6.6	-	-	-	-
Potassium	mg/Kg	-	-	ND (594)	-	-	-	-
Selenium	mg/Kg	-	-	ND (0.59)	-	-	-	-
Vanadium	mg/Kg	-	-	12.9	-	-	-	-
Zinc	mg/Kg	-	-	16.2	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	28	ND (12)	24	ND (11)	ND (12)	36	13

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH202-00***	***BH202-00***	***BH202-00***	***BH202-00***	***BH203-00***	***BH203-00***	***BH203-00***
Sample ID:		***S-12609-041300-KMV-46***	***S-12609-041300-KMV-47***	***S-12609-041300-KMV-61***	***S-12609-041300-KMV-48***	***S-12609-041300-KMV-54***	***S-12609-041300-KMV-65***	***S-12609-041300-KMV-55***
Sample Depth:		***(0-4)***	***(4-8)***	***(4-8)***	***(8-12)***	***(0-4)***	***(0-4)***	***(4-8)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethene	ug/Kg	ND (4.4)	-	-	-	-	-	-
2-Butanone	ug/Kg	ND (18) U	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	1.4 J	-	-	-	-	-	-
Acetone	ug/Kg	54	-	-	-	-	-	-
Benzene	ug/Kg	0.41 J	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.2)	-	-	-	-	-	-
Ethylbenzene	ug/Kg	0.36 J	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (4.4) U	-	-	-	-	-	-
Toluene	ug/Kg	1.2 J	-	-	-	-	-	-
Xylene (total)	ug/Kg	1.5 J	-	-	-	-	-	-
Semi-Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (39)	ND (41)
Aroclor-1254	ug/Kg	150	ND (190)	ND (39)	ND (77)	190	54	ND (41)
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	630	24	ND (12)	ND (12)	1400	560	38

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH203-00***	***BH203-00***	***BH203-00***	***BH204-00***	***BH204-00***	***BH204-00***	***BH204-00***
Sample ID:		***S-12609-041300-KMV-56***	***S-12609-041300-KMV-66***	***S-12609-041300-KMV-57***	***S-12609-041300-KMV-49***	***S-12609-041300-KMV-62***	***S-12609-041300-KMV-50***	***S-12609-041300-KMV-63***
Sample Depth:		***(8-12)***	***(8-12)***	***(12-14)***	***(0-4)***	***(0-4)***	***(4-8)***	***(4-8)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethene	ug/Kg	-	-	1.5 J	-	-	-	-
2-Butanone	ug/Kg	-	-	9.4 J	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	1.0 J	-	-	-	-
Acetone	ug/Kg	-	-	47	-	-	-	-
Benzene	ug/Kg	-	-	ND (4.7)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	4.0	-	-	-	-
Ethylbenzene	ug/Kg	-	-	ND (4.7)	-	-	-	-
Methylene chloride	ug/Kg	-	-	0.98 J	-	-	-	-
Toluene	ug/Kg	-	-	0.75 J	-	-	-	-
Xylene (total)	ug/Kg	-	-	1.1 J	-	-	-	-
Semi-Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (190)	ND (39)	ND (37)	ND (38)	ND (42)	ND (37)	ND (39)
Aroclor-1254	ug/Kg	ND (190)	ND (39)	46	260	340	170	ND (39)
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	190	250	91	280	1100	340	160

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH204-00***	***BH204-00***	***BH204-00***	***BH204-00***	***BH205-00***	***BH206-00***	***BH207-00***
Sample ID:		***S-12609-041300-KMV-51***	***S-12609-041300-KMV-52***	***S-12609-041300-KMV-64***	***S-12609-041300-KMV-53***	***S-12609-041300-KMV-58***	***S-12609-041300-KMV-60***	***S-12609-041300-KMV-67***
Sample Depth:		***(8-12)***	***(12-16)***	***(12-16)***	***(16-20)***	***(0-1.5)***	***(0-3)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Volatiles								
1,1-Dichloroethene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
2-Butanone	ug/Kg	4.0 J	-	-	11 J	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (19)	-	-	2.1 J	-	-	-
Acetone	ug/Kg	ND (19) U	-	-	50	-	-	-
Benzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.4)	-	-	ND (2.4)	-	-	-
Ethylbenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Methylene chloride	ug/Kg	0.83 J	-	-	0.53 J	-	-	-
Toluene	ug/Kg	0.79 J	-	-	0.51 J	-	-	-
Xylene (total)	ug/Kg	1.0 J	-	-	1.7 J	-	-	-
Semi-Volatiles								
Anthracene	ug/Kg	ND (380)	-	-	-	67 J	-	-
Benzo(a)anthracene	ug/Kg	88 J	-	-	-	370 J	-	-
Benzo(a)pyrene	ug/Kg	95 J	-	-	-	380 J	-	-
Benzo(b)fluoranthene	ug/Kg	120 J	-	-	-	590	-	-
Benzo(g,h,i)perylene	ug/Kg	73 J	-	-	-	310 J	-	-
Benzo(k)fluoranthene	ug/Kg	46 J	-	-	-	190 J	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (380)	-	-	-	52 J	-	-
Chrysene	ug/Kg	94 J	-	-	-	420	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (380)	-	-	-	66 J	-	-
Fluoranthene	ug/Kg	190 J	-	-	-	830	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	71 J	-	-	-	320 J	-	-
Phenanthrene	ug/Kg	100 J	-	-	-	370 J	-	-
Pyrene	ug/Kg	170 J	-	-	-	750	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1254	ug/Kg	50	46	ND (36)	ND (37)	ND (39)	79	320
Metals								
Aluminum	mg/Kg	8310	-	-	-	6350	-	-
Arsenic	mg/Kg	5.9 J	-	-	-	3.5 J	-	-
Barium	mg/Kg	54.1 J	-	-	-	45.2 J	-	-
Calcium	mg/Kg	35600	-	-	-	40200	-	-
Chromium	mg/Kg	13.5	-	-	-	10.1	-	-
Cobalt	mg/Kg	6.6 J	-	-	-	ND (5.9) UJ	-	-
Copper	mg/Kg	14.6	-	-	-	30.6	-	-
Iron	mg/Kg	15000	-	-	-	8550	-	-
Lead	mg/Kg	7.9 J	-	-	-	16.4 J	-	-
Magnesium	mg/Kg	14200	-	-	-	17600	-	-
Manganese	mg/Kg	301 J	-	-	-	141 J	-	-
Nickel	mg/Kg	16.7 J	-	-	-	9.3 J	-	-
Potassium	mg/Kg	1620	-	-	-	758	-	-
Selenium	mg/Kg	0.58 J	-	-	-	ND (0.59) UJ	-	-
Vanadium	mg/Kg	20.5	-	-	-	13.8	-	-
Zinc	mg/Kg	40.9	-	-	-	55.6	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	100	89	51	11	40	91	80

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.4.2

SUMMARY OF ANALYTICAL DETECTIONS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH207-00***	***BH207-00***	***BH217-00***	***BH218-00***	***BH219-00***	***BH233-00***
Sample ID:		***S-12609-041300-KMV-68***	***S-12609-041300-KMV-69***	***S-12609-060200-DEN-022***	***S-12609-060200-DEN-021***	***S-12609-060200-DEN-023***	***S-12609-060100-DEN-01***
Sample Depth:		***(4-8)***	***(8-10)***	***(0-12)***	***(0-20)***	***(0-20)***	
Sample Date:		***4/13/2000***	***4/13/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/1/2000***
Parameter	***Unit***						
Volatiles							
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi-Volatiles							
Anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1248	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	670
Aroclor-1254	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
pH Corrosivity	s.u.	-	-	7.8	9.5	7.8	8.3
Total Recoverable Petroleum Hydrocarbons	mg/Kg	14	67	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE 3.5.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
FORMER STORMWATER POND
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*	*Pesticides*
Soil								
	BH109-98	8 - 9.5	x	x	x	x	x	
	BH110-98	4 - 9	x	x	x	x	x	
	BH117-98	3.8 - 4	x					
		7 - 8	x					
	BH118-98	8 - 9.5	x					
	BH152-99	5 - 6	x			x	x	
		6 - 7	x			x	x	
	BH154-99	3 - 4	x	x			x	
	MW104-98	6 - 7	x	x	x	x	x	
	MW110-99	8 - 9	x			x	x	
		10 - 11	x			x	x	
	MW111-99	6 - 8	x			x	x	
		10 - 12	x			x	x	
Groundwater								
	MW104-98		x	x	x	x	x	x
	MW110-99		x	x	x	x	x	x
	MW111-99		x	x	x	x	x	x

Notes:
(1) Duplicate samples were taken

TABLE 3.5.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

		BH-109-98	BH-110-98	BH-117-98	BH-117-98	BH-118-98
Sample ID:		S-10236-011398-FCE-015	S-10236-011398-FCE-016	S-10236-030598-FCE-026	S-10236-030598-FCE-027	S-10236-030598-FCE-028
Sample Depth:		(8-9.5)	(4-9)	(3.8-4)	(7-8)	(8-9.5)
Sample Date:		1/13/1998	1/13/1998	3/5/1998	3/5/1998	3/5/1998
Parameter	**Unit**					
Volatiles						
Acetone	ug/Kg	ND (100)	220	-	-	-
Methylene chloride	ug/Kg	ND (10)	ND (10)	-	-	-
Semi - Volatiles						
Benzo(a)anthracene	ug/Kg	ND (330)	5000	-	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	4000	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (330)	6700	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	3700	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (330)	7200	-	-	-
Chrysene	ug/Kg	ND (330)	7200	-	-	-
Fluoranthene	ug/Kg	ND (330)	14000	-	-	-
Phenanthrene	ug/Kg	ND (330)	9000	-	-	-
Pyrene	ug/Kg	ND (330)	12000	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	73000	7100	4100	4400
Total PCBs	ug/Kg	ND (330)	73000	-	-	-
Metals						
Aluminum	mg/Kg	9800 J	7300 J	-	-	-
Arsenic	mg/Kg	3 J	5.6 J	-	-	-
Barium	mg/Kg	59	59	-	-	-
Beryllium	mg/Kg	0.52	0.34	-	-	-
Cadmium	mg/Kg	0.17 J	1.5 J	-	-	-
Calcium	mg/Kg	20000	80000	-	-	-
Chromium	mg/Kg	17	240	-	-	-
Cobalt	mg/Kg	7.4 J	4.3 J	-	-	-
Copper	mg/Kg	12 J	140 J	-	-	-
Iron	mg/Kg	20000	10000	-	-	-
Lead	mg/Kg	14	210	-	-	-
Magnesium	mg/Kg	20000	40000	-	-	-
Manganese	mg/Kg	280 J	180 J	-	-	-
Nickel	mg/Kg	20	27	-	-	-
Potassium	mg/Kg	1900 J	550 J	-	-	-
Sodium	mg/Kg	110 J	130 J	-	-	-
Vanadium	mg/Kg	22 J	11 J	-	-	-
Zinc	mg/Kg	57 J	530 J	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	0.49	-	-	-
Diesel range organics (DRO)	ug/Kg	-	370000	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated samples.
J - Estimated.
- Not analyzed.

TABLE 3.5.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-152-99***	***BH-152-99***	***BH-154-99***	***MW-104-98***	***MW-110-99***	***MW-110-99***
Sample ID:		***S-12609-081799-DN-08***	***S-12609-081799-DN-09***	***S-12609-081999-DN-27***	***S-10236-011398-FCE-017***	***S-12609-MW-110-99***	***S-12609-MW-110-99***
Sample Depth:		***(5-6)***	***(6-7)***	***(3-4)***	***(6-7)***	***(8-9)***	***(10-11)***
Sample Date:		***8/17/1999***	***8/17/1999***	***8/19/1999***	***1/13/1998***	***8/12/1999***	***8/12/1999***
Parameter	***Unit***						
Volatiles							
Acetone	ug/Kg	-	-	-	ND (100)	-	-
Methylene chloride	ug/Kg	-	-	-	32	-	-
Semi - Volatiles							
Benzo(a)anthracene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (330)	-	-
Chrysene	ug/Kg	1300 J	ND (420)	-	ND (330)	ND (410)	ND (410)
Fluoranthene	ug/Kg	3400 J	ND (420)	-	ND (330)	ND (410)	ND (410)
Phenanthrene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Pyrene	ug/Kg	2200 J	ND (420)	-	ND (330)	ND (410)	ND (410)
PCBs							
Aroclor-1248	ug/Kg	2600	ND (42)	110	ND (330)	260 UJ	ND (41) UJ
Total PCBs	ug/Kg	-	-	-	ND (330)	-	-
Metals							
Aluminum	mg/Kg	-	-	-	8600 J	-	-
Arsenic	mg/Kg	-	-	-	1.8 J	-	-
Barium	mg/Kg	-	-	-	82	-	-
Beryllium	mg/Kg	-	-	-	0.54	-	-
Cadmium	mg/Kg	-	-	-	0.15 J	-	-
Calcium	mg/Kg	-	-	-	8800	-	-
Chromium	mg/Kg	15.2 J	15.4 J	7.7	16	13.5	11.7
Cobalt	mg/Kg	-	-	-	6.6 J	-	-
Copper	mg/Kg	-	-	-	7 J	-	-
Iron	mg/Kg	-	-	-	20000	-	-
Lead	mg/Kg	-	-	-	12	-	-
Magnesium	mg/Kg	-	-	-	5700	-	-
Manganese	mg/Kg	-	-	-	500 J	-	-
Nickel	mg/Kg	-	-	-	16	-	-
Potassium	mg/Kg	-	-	-	1300 J	-	-
Sodium	mg/Kg	-	-	-	71 J	-	-
Vanadium	mg/Kg	-	-	-	18 J	-	-
Zinc	mg/Kg	-	-	-	79 J	-	-
General Chemistry							
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	1900	-	-	-

Notes:
U - Non-detect at associated samples.
J - Estimated.
- Not analyzed.

TABLE 3.5.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***
Sample ID:		***S-12609-081899-DN-10***	***S-12609-081899-DN-11***
Sample Depth:		***(6-8)***	***(10-12)***
Sample Date:		***8/18/1999***	***8/18/1999***
Parameter	***Unit***		
Volatiles			
Acetone	ug/Kg	-	-
Methylene chloride	ug/Kg	-	-
Semi - Volatiles			
Benzo(a)anthracene	ug/Kg	ND (370)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (370)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (370)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (370)	ND (410)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-
Chrysene	ug/Kg	ND (370)	ND (410)
Fluoranthene	ug/Kg	ND (370)	ND (410)
Phenanthrene	ug/Kg	ND (370)	ND (410)
Pyrene	ug/Kg	ND (370)	ND (410)
PCBs			
Aroclor-1248	ug/Kg	ND (37)	ND (41)
Total PCBs	ug/Kg	-	-
Metals			
Aluminum	mg/Kg	-	-
Arsenic	mg/Kg	-	-
Barium	mg/Kg	-	-
Beryllium	mg/Kg	-	-
Cadmium	mg/Kg	-	-
Calcium	mg/Kg	-	-
Chromium	mg/Kg	8.7 J	12.2 J
Cobalt	mg/Kg	-	-
Copper	mg/Kg	-	-
Iron	mg/Kg	-	-
Lead	mg/Kg	-	-
Magnesium	mg/Kg	-	-
Manganese	mg/Kg	-	-
Nickel	mg/Kg	-	-
Potassium	mg/Kg	-	-
Sodium	mg/Kg	-	-
Vanadium	mg/Kg	-	-
Zinc	mg/Kg	-	-
General Chemistry			
Cyanide (total)	mg/Kg	-	-
Diesel range organics (DRO)	ug/Kg	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-

Notes:
U - Non-detect at associated samples.
J - Estimated.
- Not analyzed.

TABLE 3.5.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Sample ID:		*MW-104-98*	*MW-104-98*	*MW-110-99*	*MW-110-99*	*MW-110-99*
		GW-10236-021798-SM-007	*W-12609-111999-DEN-05*	*W-12609-091499-DN-09*	*W-12609-111999-DEN-06*	*W-12609-021000-DEN-04*
Sample Date:		*2/17/1998*	*11/19/1999*	*9/14/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***					
Volatiles						
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	0.43 J	ND (1.0)	ND (1.0)	ND (5.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	0.21 J	ND (1.0)	ND (1.0)	ND (5.0)
1,1-Dichloroethane	ug/L	ND (1.0)	1.0	1.3	1.0	ND (5.0)
1,2-Dichloroethene (total)	ug/L	ND (1.0)	-	0.26 J	-	-
1,2-Dichloropropane	ug/L	ND (1.0)	0.092 J	ND (1.0)	0.073 J	ND (5.0)
2-Butanone	ug/L	ND (50)	1.9 J	ND (10)	ND (10)	-
2-Hexanone	ug/L	ND (50)	1.6 J	ND (10)	ND (10)	-
4-Methyl-2-pentanone	ug/L	ND (50)	1.3 J	ND (10)	ND (10)	-
Benzene	ug/L	ND (5.0)	0.12 J	ND (1.0)	ND (1.0)	ND (5.0)
Bromodichloromethane	ug/L	ND (1.0)	0.095 J	ND (1.0)	ND (1.0)	ND (5.0)
Bromoform	ug/L	ND (1.0)	0.17 J	ND (1.0)	ND (1.0)	ND (5.0)
Carbon disulfide	ug/L	ND (50)	0.14 J	ND (1.0)	ND (1.0)	-
Chlorobenzene	ug/L	ND (1.0)	0.25 J	ND (1.0)	ND (1.0)	ND (5.0)
Chloromethane	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	0.11 J	ND (10)
cis-1,2-Dichloroethene	ug/L	-	0.19 J	0.26 J	0.23 J	-
cis-1,3-Dichloropropene	ug/L	ND (1.0)	0.12 J	ND (1.0)	ND (1.0)	ND (5.0)
Dibromochloromethane	ug/L	ND (1.0)	0.15 J	ND (1.0)	ND (1.0)	ND (5.0)
Ethylbenzene	ug/L	ND (1.0)	0.18 J	ND (1.0)	ND (1.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	0.15 J	ND (1.0)	ND (1.0)	ND (5.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	0.10	ND (1.0)	ND (1.0)	ND (5.0)
Trichloroethene	ug/L	ND (1.0)	0.13 J	ND (1.0)	ND (1.0)	ND (5.0)
Vinyl chloride	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	0.13 J	ND (10)
Semi-Volatiles						
bis(2-Ethylhexyl)phthalate	ug/L	ND (10)	ND (10)	-	ND (10)	4.4 J
Metals						
Arsenic (Dissolved)	mg/L	0.018	-	-	-	-
Arsenic	mg/L	0.018	0.016	-	ND (0.010)	0.016
Barium	mg/L	-	0.30	-	0.28	0.41
Calcium (Dissolved)	mg/L	120	-	-	-	-
Calcium	mg/L	120	138	-	151	-
Chromium	mg/L	-	ND (0.010)	ND (0.010)	ND (0.010)	0.020
Iron (Dissolved)	mg/L	9.4	-	-	-	-
Iron	mg/L	9.4	2.1	-	ND (0.34) U	16.7
Lead	mg/L	ND (0.003)	ND (0.0030)	-	ND (0.0030)	0.012
Magnesium (Dissolved)	mg/L	28	-	-	-	-
Magnesium	mg/L	28	31.8	-	42.0	-
Manganese (Dissolved)	mg/L	1.9	-	-	-	-
Manganese	mg/L	1.9	1.5	-	0.45	-
Mercury (Dissolved)	mg/L	0.00054	-	-	-	-
Mercury	mg/L	0.00054	ND (0.00020)	-	ND (0.00020)	ND (0.00020)
Potassium (Dissolved)	mg/L	3.9	-	-	-	-
Potassium	mg/L	3.9	5.3	-	ND (5.0)	-
Sodium (Dissolved)	mg/L	9.6	-	-	-	-
Sodium	mg/L	9.6	13.8	-	26.4	-
Zinc	mg/L	0.043	ND (0.050)	-	ND (0.050)	-

TABLE 3.5.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-104-98*	*MW-104-98*	*MW-110-99*	*MW-110-99*	*MW-110-99*
Sample ID:		*GW-10236-021798-SM-007*	*W-12609-111999-DEN-05*	*W-12609-091499-DN-09*	*W-12609-111999-DEN-06*	*W-12609-021000-DEN-04*
Sample Date:		*2/17/1998*	*11/19/1999*	*9/14/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***					
General Chemistry						
Alkalinity (Filtered)	mg/L	-	-	-	-	480
Alkalinity, Total (As CaCO3)	mg/L	-	400	-	470	-
Ammonia	mg/L	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	17
Chloride	mg/L	-	13.6	-	20.8	-
Nitrate (as N)	mg/L	-	0.67 J	-	0.37 J	-
Sulfate	mg/L	-	45.6	-	48.2	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	7
Total Suspended Solids (TSS)	mg/L	-	-	-	-	500
Volatile Suspended Solids	mg/L	-	-	-	-	44

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

TABLE 3.5.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***
Sample ID:		***W-12609-111999-DEN-02***	***W-12609-021000-DEN-05***
Sample Date:		***11/19/1999***	***2/10/2000***
Parameter	***Unit***		
Volatiles			
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (5.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (5.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (5.0)
1,2-Dichloroethene (total)	ug/L	-	-
1,2-Dichloropropane	ug/L	ND (1.0)	ND (5.0)
2-Butanone	ug/L	ND (10)	-
2-Hexanone	ug/L	ND (10)	-
4-Methyl-2-pentanone	ug/L	ND (10)	-
Benzene	ug/L	ND (1.0)	ND (5.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (5.0)
Bromoform	ug/L	ND (1.0)	ND (5.0)
Carbon disulfide	ug/L	ND (1.0)	-
Chlorobenzene	ug/L	ND (1.0)	ND (5.0)
Chloromethane	ug/L	ND (2.0)	ND (10)
cis-1,2-Dichloroethene	ug/L	ND (0.50)	-
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (5.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (5.0)
Ethylbenzene	ug/L	ND (1.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (5.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (5.0)
Trichloroethene	ug/L	ND (1.0)	ND (5.0)
Vinyl chloride	ug/L	1.4 J	ND (10)
Semi-Volatiles			
bis(2-Ethylhexyl)phthalate	ug/L	ND (10)	ND (10)
Metals			
Arsenic (Dissolved)	mg/L	-	-
Arsenic	mg/L	0.015	0.031
Barium	mg/L	0.41	0.33
Calcium (Dissolved)	mg/L	-	-
Calcium	mg/L	134	-
Chromium	mg/L	ND (0.010)	ND (0.010)
Iron (Dissolved)	mg/L	-	-
Iron	mg/L	ND (0.19) U	9.5
Lead	mg/L	ND (0.0030)	0.0049
Magnesium (Dissolved)	mg/L	-	-
Magnesium	mg/L	38.4	-
Manganese (Dissolved)	mg/L	-	-
Manganese	mg/L	0.26	-
Mercury (Dissolved)	mg/L	-	-
Mercury	mg/L	ND (0.00020)	ND (0.00020)
Potassium (Dissolved)	mg/L	-	-
Potassium	mg/L	ND (5.0)	-
Sodium (Dissolved)	mg/L	-	-
Sodium	mg/L	50.5	-
Zinc	mg/L	ND (0.050)	-

TABLE 3.5.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***
Sample ID:		***W-12609-111999-DEN-02***	***W-12609-021000-DEN-05***
Sample Date:		***11/19/1999***	***2/10/2000***
Parameter	***Unit***		
General Chemistry			
Alkalinity (Filtered)	mg/L	-	510
Alkalinity, Total (As CaCO3)	mg/L	470	-
Ammonia	mg/L	-	0.2
Chemical Oxygen Demand (COD)	mg/L	-	ND (10)
Chloride	mg/L	32.7	-
Nitrate (as N)	mg/L	ND (1.0) UJ	-
Sulfate	mg/L	59.1	-
Total Organic Carbon (TOC)	mg/L	-	7
Total Suspended Solids (TSS)	mg/L	-	380
Volatile Suspended Solids	mg/L	-	22

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

TABLE 3.6.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
FORMER DISPOSAL AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*	*Pesticides*	*Dioxin Furans*
Soil									
	BH-101-98	2 - 5	x	x	x	x	x		
	BH-102-98	1 - 2.5	x	x	x	x	x		
	BH-103-98	1 - 3	x	x	x	x	x		
	BH-119-98	0 - 3	x						
		3 - 6	x						
	BH-120-98	0 - 3	x						
		3 - 6[(1)]	x						
	BH-121-98	0 - 3	x						
		3 - 6	x						
	BH-122-98	0 - 3	x						
		3 - 6	x						
	BH-123-98	0 - 3	x						
		3 - 6	x						
	BH-124-98	0 - 3	x						
		3 - 6	x						
	BH-125-98	0 - 3[(1)]	x						
		3 - 6	x						
	BH-126-98	0 - 3	x						
		3 - 6	x						
	BH-127-98	0 - 3	x						
		3 - 6	x						
	BH-128-98	0 - 3	x						
		3 - 6	x						
	BH-129-98	0 - 3	x						
		3 - 6	x						
		6 - 9	x						
	BH-130-98	0 - 3	x						
		3 - 6	x						
	BH-131-98	0 - 3	x						
		3 - 6	x						
	BH-132-98	0 - 3	x						
		3 - 6[(1)]	x						
	BH-133-98	0 - 3	x						
		3 - 6	x						
		6 - 9	x						
	BH-134-98	0 - 3	x						
		3 - 6[(1)]	x						
	BH-135-98	0 - 3	x						
		3 - 6	x						
	BH-136-98	0 - 3	x						
		3 - 6	x						
	BH-137-98	0 - 3	x						
		3 - 6	x						
		6 - 9	x						
	BH-138A-98	0 - 3	x						
		3 - 6	x						
	BH-139-98	0 - 3[(1)]	x						
		3 - 6	x						
		0 - 3	x						
	BH238-00		x	x					
	MW-101-98	4 - 6	x	x	x	x	x		
	MW-102-98	0.2 - 4	x	x	x	x	x		
	MW-103-98	0 - 2.5	x	x	x	x	x		
	MW117-99	6 - 8	x	x		x			
		8 - 10	x	x		x			
Groundwater									
	MW-1		x	x	x	x	x	x	
	MW-101-98		x	x	x	x	x	x	
	MW-102-98		x	x	x	x	x	x	
	MW-103-98		x	x	x	x	x	x	
	MW-117-99		x			x	x		
Leachate	LCH-1-98		x	x	x		x		x

Notes:
[(1)] Duplicate samples were taken

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Sample ID:		*BH-101-98* *S-10236-010698-FCE-004*	*BH-102-98* *S-10236-010998-FCE-006*	*BH-103-98* *S-10236-010998-FCE-007*	*BH-119-98* *S-10236-060298-TJ-033A*	*BH-119-98* *S-10236-060298-TJ-033B*	*BH-120-98* *S-10236-060298-TJ-034A*	*BH-120-98* *S-10236-060298-TJ-034B*
Sample Depth:		*(2-5)*	*(1-2.5)*	*(1-3)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*1/6/1998*	*1/9/1998*	*1/9/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	11 U	11 U	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (330)	600	ND (330)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	370	ND (330)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	350	500	ND (330)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-	-	-
Chrysene	ug/Kg	390	620	ND (330)	-	-	-	-
Fluoranthene	ug/Kg	640	1300	ND (330)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-	-	-
Phenanthrene	ug/Kg	460	860	ND (330)	-	-	-	-
Phenol	ug/Kg	ND (330)	850	ND (330)	-	-	-	-
Pyrene	ug/Kg	580	1000	ND (330)	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	580	1100	18000	2600	3000	ND (330)	ND (330)
Aroclor-1254	ug/Kg	740	3000	ND (2600)	2900	ND (1700)	730	ND (330)
Total PCBs	ug/Kg	1320	4100	18000	5500	3000	730	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-101-98*	*BH-102-98*	*BH-103-98*	*BH-119-98*	*BH-119-98*	*BH-120-98*	*BH-120-98*
Sample ID:		*S-10236-010698-FCE-004*	*S-10236-010998-FCE-006*	*S-10236-010998-FCE-007*	*S-10236-060298-TJ-033A*	*S-10236-060298-TJ-033B*	*S-10236-060298-TJ-034A*	*S-10236-060298-TJ-034B*
Sample Depth:		*(2-5)*	*(1-2.5)*	*(1-3)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*1/6/1998*	*1/9/1998*	*1/9/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	4300	8500 J	3700 J	-	-	-	-
Antimony	mg/Kg	R	ND (0.5) UJ	3.1 J	-	-	-	-
Arsenic	mg/Kg	8.3 J	4.1 J	9.5 J	-	-	-	-
Barium	mg/Kg	63 J	130 J	93 J	-	-	-	-
Beryllium	mg/Kg	0.36 J	0.33	ND (0.26)	-	-	-	-
Cadmium	mg/Kg	0.67	4	23	-	-	-	-
Calcium	mg/Kg	10000 J	10000 J	1200 J	-	-	-	-
Chromium	mg/Kg	22	47	190	-	-	-	-
Cobalt	mg/Kg	9 J	7.6	47	-	-	-	-
Copper	mg/Kg	48 J	230	2100	-	-	-	-
Iron	mg/Kg	7700	20000	200000	-	-	-	-
Lead	mg/Kg	35	96 J	61 J	-	-	-	-
Magnesium	mg/Kg	7000 J	5700 J	720 J	-	-	-	-
Manganese	mg/Kg	190	310	3000	-	-	-	-
Mercury	mg/Kg	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-
Nickel	mg/Kg	38	67	200	-	-	-	-
Potassium	mg/Kg	500	1200 J	63 J	-	-	-	-
Silver	mg/Kg	1 J	0.84 J	3.3 J	-	-	-	-
Sodium	mg/Kg	43	80 J	120 J	-	-	-	-
Thallium	mg/Kg	ND (0.5)	ND (0.5)	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	8.2	19 J	39 J	-	-	-	-
Zinc	mg/Kg	130 J	240	380	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	ND (0.2)	0.24	ND (0.2)	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-120-98*	*BH-121-98*	*BH-121-98*	*BH-122-98*	*BH-122-98*	*BH-123-98*	*BH-123-98*
Sample ID:		*S-10236-060298-TJ-034E*	*S-10236-060298-TJ-035A*	*S-10236-060298-TJ-035B*	*S-10236-060298-TJ-036A*	*S-10236-060298-TJ-036B*	*S-10236-060298-TJ-037A*	*S-10236-060298-TJ-037B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
		Duplicate						
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (330)	35000	ND (330)	1700	ND (330)	50000	430
Aroclor-1254	ug/Kg	ND (330)	12000	ND (330)	930	ND (330)	180000	ND (330)
Total PCBs	ug/Kg	ND (330)	47000	ND (330)	2600	ND (330)	230000	430

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-120-98*	*BH-121-98*	*BH-121-98*	*BH-122-98*	*BH-122-98*	*BH-123-98*	*BH-123-98*
Sample ID:		*S-10236-060298-TJ-034E*	*S-10236-060298-TJ-035A*	*S-10236-060298-TJ-035B*	*S-10236-060298-TJ-036A*	*S-10236-060298-TJ-036B*	*S-10236-060298-TJ-037A*	*S-10236-060298-TJ-037B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
		Duplicate						
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-124-98*	*BH-124-98*	*BH-125-98*	*BH-125-98*	*BH-125-98*	*BH-126-98*	*BH-126-98*
Sample ID:		*S-10236-060298-TJ-038A*	*S-10236-060298-TJ-038B*	*S-10236-060298-TJ-039A*	*S-10236-060298-TJ-039E*	*S-10236-060298-TJ-039B*	*S-10236-060298-TJ-040A*	*S-10236-060298-TJ-040B*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
					Duplicate			
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	2000	ND (330)	2900	59000	ND (330)	430	ND (330)
Aroclor-1254	ug/Kg	1200	ND (330)	1000	ND (18000)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	3200	ND (330)	3900	59000	ND (330)	430	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-124-98*	*BH-124-98*	*BH-125-98*	*BH-125-98*	*BH-125-98*	*BH-126-98*	*BH-126-98*
Sample ID:		*S-10236-060298-TJ-038A*	*S-10236-060298-TJ-038B*	*S-10236-060298-TJ-039A*	*S-10236-060298-TJ-039E*	*S-10236-060298-TJ-039B*	*S-10236-060298-TJ-040A*	*S-10236-060298-TJ-040B*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
					Duplicate			
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-127-98***	***BH-127-98***	***BH-128-98***	***BH-128-98***	***BH-129-98***	***BH-129-98***	***BH-129-98***
Sample ID:		***S-10236-060298-TJ-041A***	***S-10236-060298-TJ-041B***	***S-10236-060298-TJ-042A***	***S-10236-060298-TJ-042B***	***S-10236-060298-TJ-043A***	***S-10236-060298-TJ-043B***	***S-10236-060298-TJ-043E***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(6-9)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	25000	ND (330)	430000	910 J	4600	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (16000)	ND (330)	ND (170000)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	25000	ND (330)	430000	910 J	4600	ND (330)	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-127-98*	*BH-127-98*	*BH-128-98*	*BH-128-98*	*BH-129-98*	*BH-129-98*	*BH-129-98*
Sample ID:		*S-10236-060298-TJ-041A*	*S-10236-060298-TJ-041B*	*S-10236-060298-TJ-042A*	*S-10236-060298-TJ-042B*	*S-10236-060298-TJ-043A*	*S-10236-060298-TJ-043B*	*S-10236-060298-TJ-043E*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(6-9)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-130-98***	***BH-130-98***	***BH-131-98***	***BH-131-98***	***BH-132-98***	***BH-132-98***	***BH-132-98***
Sample ID:		***S-10236-060298-TJ-044A***	***S-10236-060298-TJ-044B***	***S-10236-060298-TJ-045A***	***S-10236-060298-TJ-045B***	***S-10236-060298-TJ-046A***	***S-10236-060298-TJ-046B***	***S-10236-060298-TJ-046E***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
								Duplicate
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (330)	ND (330)	12000	ND (330)	28000	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	12000	ND (330)	28000	ND (330)	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-130-98*	*BH-130-98*	*BH-131-98*	*BH-131-98*	*BH-132-98*	*BH-132-98*	*BH-132-98*
Sample ID:		*S-10236-060298-TJ-044A*	*S-10236-060298-TJ-044B*	*S-10236-060298-TJ-045A*	*S-10236-060298-TJ-045B*	*S-10236-060298-TJ-046A*	*S-10236-060298-TJ-046B*	*S-10236-060298-TJ-046E*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
								Duplicate
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-133-98***	***BH-133-98***	***BH-133-98***	***BH-134-98***	***BH-134-98***	***BH-134-98***	***BH-135-98***
Sample ID:		***S-10236-060398-TJ-047A***	***S-10236-060398-TJ-047B***	***S-10236-060398-TJ-047C***	***S-10236-060398-TJ-048A***	***S-10236-060398-TJ-048B***	***S-10236-060398-TJ-048E***	***S-10236-060398-TJ-049A***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***	***(3-6)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
							Duplicate	
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	200000	10000	ND (330) UJ	3500	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	2200	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	200000	10000	ND (330) UJ	5700	ND (330)	ND (330)	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-133-98*	*BH-133-98*	*BH-133-98*	*BH-134-98*	*BH-134-98*	*BH-134-98*	*BH-135-98*
Sample ID:		*S-10236-060398-TJ-047A*	*S-10236-060398-TJ-047B*	*S-10236-060398-TJ-047C*	*S-10236-060398-TJ-048A*	*S-10236-060398-TJ-048B*	*S-10236-060398-TJ-048E*	*S-10236-060398-TJ-049A*
Sample Depth:		*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*	*(3-6)*	*(3-6)*	*(0-3)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
							Duplicate	
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-135-98***	***BH-136-98***	***BH-136-98***	***BH-137-98***	***BH-137-98***	***BH-137-98***	***BH-138A-98***
Sample ID:		***S-10236-060398-TJ-049B***	***S-10236-060398-TJ-050A***	***S-10236-060398-TJ-050B***	***S-10236-060398-TJ-051A***	***S-10236-060398-TJ-051B***	***S-10236-060398-TJ-051E***	***S-10236-060398-TJ-052A***
Sample Depth:		***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-135-98*	*BH-136-98*	*BH-136-98*	*BH-137-98*	*BH-137-98*	*BH-137-98*	*BH-138A-98*
Sample ID:		*S-10236-060398-TJ-049B*	*S-10236-060398-TJ-050A*	*S-10236-060398-TJ-050B*	*S-10236-060398-TJ-051A*	*S-10236-060398-TJ-051B*	*S-10236-060398-TJ-051E*	*S-10236-060398-TJ-052A*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-138A-98*	*BH-139-98*	*BH-139-98*	*BH-139-98*	*BH238-00*	*MW-101-98*	*MW-102-98*
Sample ID:		*S-10236-060398-TJ-052B*	*S-10236-060398-TJ-053A*	*S-10236-060398-TJ-053E*	*S-10236-060398-TJ-053B*	*S-12609-060100-DEN-05*	*S-10236-010598-FCE-003*	*S-10236-010998-FCE-008*
Sample Depth:		*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*		*(4-6)*	*(0.2-4)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/1/2000*	*1/5/1998*	*1/9/1998*
				Duplicate				
Parameter	***Unit***							
Volatiles								
Acetone	ug/Kg	-	-	-	-	-	ND (100)	ND (100)
Methylene chloride	ug/Kg	-	-	-	-	-	ND (10)	14 U
Trichloroethene	ug/Kg	-	-	-	-	-	ND (10)	16
Semi - Volatiles								
Anthracene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	ND (400)	1500
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Chrysene	ug/Kg	-	-	-	-	-	ND (400)	1800
Fluoranthene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Phenanthrene	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Phenol	ug/Kg	-	-	-	-	-	ND (400)	ND (1500)
Pyrene	ug/Kg	-	-	-	-	-	ND (400)	2500
PCBs								
Aroclor-1248	ug/Kg	ND (330)	110000	22000	ND (330)	71	ND (330)	5900000
Aroclor-1254	ug/Kg	ND (330)	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)	ND (270000)
Total PCBs	ug/Kg	ND (330)	110000	22000	ND (330)	-	ND (330)	5900000

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-138A-98*	*BH-139-98*	*BH-139-98*	*BH-139-98*	*BH238-00*	*MW-101-98*	*MW-102-98*
Sample ID:		*S-10236-060398-TJ-052B*	*S-10236-060398-TJ-053A*	*S-10236-060398-TJ-053E*	*S-10236-060398-TJ-053B*	*S-12609-060100-DEN-05*	*S-10236-010598-FCE-003*	*S-10236-010998-FCE-008*
Sample Depth:		*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*		*(4-6)*	*(0.2-4)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/1/2000*	*1/5/1998*	*1/9/1998*
				Duplicate				
Parameter	***Unit***							
Metals								
Aluminum	mg/Kg	-	-	-	-	-	2700	20000 J
Antimony	mg/Kg	-	-	-	-	-	R	6.5 J
Arsenic	mg/Kg	-	-	-	-	-	2.2 J	4.7 J
Barium	mg/Kg	-	-	-	-	-	47 J	490 J
Beryllium	mg/Kg	-	-	-	-	-	0.31 J	0.64
Cadmium	mg/Kg	-	-	-	-	-	0.43	43
Calcium	mg/Kg	-	-	-	-	-	3000 J	20000 J
Chromium	mg/Kg	-	-	-	-	-	4	450
Cobalt	mg/Kg	-	-	-	-	-	2.6 J	30
Copper	mg/Kg	-	-	-	-	-	7.6 J	910
Iron	mg/Kg	-	-	-	-	-	3300	300000
Lead	mg/Kg	-	-	-	-	-	7.4	970 J
Magnesium	mg/Kg	-	-	-	-	-	670 J	5700 J
Manganese	mg/Kg	-	-	-	-	-	100	3600
Mercury	mg/Kg	-	-	-	-	-	ND (0.1)	0.22
Nickel	mg/Kg	-	-	-	-	-	3.9	340
Potassium	mg/Kg	-	-	-	-	-	110	580 J
Silver	mg/Kg	-	-	-	-	-	ND (0.5) UJ	2.3 J
Sodium	mg/Kg	-	-	-	-	-	19	510 J
Thallium	mg/Kg	-	-	-	-	-	ND (0.5)	8.5
Vanadium	mg/Kg	-	-	-	-	-	6.2	41 J
Zinc	mg/Kg	-	-	-	-	-	52 J	1400
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	ND (0.2)	0.77
pH Corrosivity	none	-	-	-	-	9.0	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-103-98***	***MW-117-99***	***MW-117-99***
Sample ID:		***S-10236-010998-FCE-009***	***S-12609-081999-DN-19***	***S-12609-081999-DN-20***
Sample Depth:		***(0-2.5)***	***(6-8)***	***(8-10)***
Sample Date:		***1/9/1998***	***8/19/1999***	***8/19/1999***
Parameter	***Unit***			
Volatiles				
Acetone	ug/Kg	ND (100)	-	-
Methylene chloride	ug/Kg	11 U	-	-
Trichloroethene	ug/Kg	ND (10)	-	-
Semi - Volatiles				
Anthracene	ug/Kg	ND (1400)	ND (410)	ND (390)
Benzo(a)anthracene	ug/Kg	2300	ND (410)	ND (390)
Benzo(a)pyrene	ug/Kg	2700	ND (410)	ND (390)
Benzo(b)fluoranthene	ug/Kg	3500	ND (410)	ND (390)
Benzo(g,h,i)perylene	ug/Kg	2100	ND (410)	ND (390)
Benzo(k)fluoranthene	ug/Kg	ND (1400)	ND (410)	ND (390)
Chrysene	ug/Kg	2900	ND (410)	ND (390)
Fluoranthene	ug/Kg	3600	ND (410)	ND (390)
Indeno(1,2,3-cd)pyrene	ug/Kg	1400	ND (410)	ND (390)
Phenanthrene	ug/Kg	ND (1400)	ND (410)	ND (390)
Phenol	ug/Kg	ND (1400)	-	-
Pyrene	ug/Kg	3400	ND (410)	ND (390)
PCBs				
Aroclor-1248	ug/Kg	7000	ND (41)	ND (39)
Aroclor-1254	ug/Kg	3600	ND (41)	ND (39)
Total PCBs	ug/Kg	10600	-	-

TABLE 3.6.2

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-103-98*	*MW-117-99*	*MW-117-99*
Sample ID:		*S-10236-010998-FCE-009*	*S-12609-081999-DN-19*	*S-12609-081999-DN-20*
Sample Depth:		*(0-2.5)*	*(6-8)*	*(8-10)*
Sample Date:		*1/9/1998*	*8/19/1999*	*8/19/1999*
Parameter	***Unit***			
Metals				
Aluminum	mg/Kg	60000 J	-	-
Antimony	mg/Kg	8.6 J	-	-
Arsenic	mg/Kg	2.5 J	-	-
Barium	mg/Kg	140 J	-	-
Beryllium	mg/Kg	ND (0.3)	-	-
Cadmium	mg/Kg	18	-	-
Calcium	mg/Kg	8300 J	-	-
Chromium	mg/Kg	210	-	-
Cobalt	mg/Kg	22	-	-
Copper	mg/Kg	2700	-	-
Iron	mg/Kg	100000	-	-
Lead	mg/Kg	340 J	-	-
Magnesium	mg/Kg	3100 J	-	-
Manganese	mg/Kg	2800	-	-
Mercury	mg/Kg	ND (0.1)	-	-
Nickel	mg/Kg	180	-	-
Potassium	mg/Kg	320 J	-	-
Silver	mg/Kg	4.5 J	-	-
Sodium	mg/Kg	160 J	-	-
Thallium	mg/Kg	6.2	-	-
Vanadium	mg/Kg	28 J	-	-
Zinc	mg/Kg	2300	-	-
General Chemistry				
Cyanide (total)	mg/Kg	0.24	-	-
pH Corrosivity	none	-	-	-

Noptes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Sample ID:		MW-1	MW-1 GW-10236-021798-SM-011	MW-1 W-12609-111999-DEN-03	MW-1 W-12609-021000-DEN-06	MW-101-98 GW-10236-021698-SM-004	MW-101-98 W-12609-111899-DEN-01
Sample Date:		8/27/1997	2/17/1998	11/19/1999	2/10/2000	2/16/1998	11/18/1999
Parameter	**Unit**						
Volatiles							
1,1-Dichloroethane	ug/L	-	ND (1.0)	0.13 J	ND (5.0)	ND (2.0)	ND (8.3)
1,1-Dichloroethene	ug/L	-	ND (1.0)	0.13 J	ND (5.0)	ND (2.0)	1.2 J
1,2-Dichloroethene (total)	ug/L	-	18	-	-	96	-
1,2-Dichloropropane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	6.3	19
Acetone	ug/L	-	ND (100)	ND (10)	-	ND (100)	ND (83) U
Benzene	ug/L	-	ND (5.0)	ND (1.0)	ND (5.0)	ND (10)	ND (8.3)
Carbon disulfide	ug/L	-	ND (50)	ND (1.0)	-	ND (50)	ND (8.3)
Chlorobenzene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)
Chloroform	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)
cis-1,2-Dichloroethene	ug/L	-	-	16	-	-	280
Methylene chloride	ug/L	-	ND (5.0)	ND (1.0)	ND (10)	ND (10)	ND (8.3)
trans-1,2-Dichloroethene	ug/L	-	-	0.26 J	ND (2.5)	-	3.3 J
Trichloroethene	ug/L	-	9.2	6.8	3.9 J	69	180
Vinyl chloride	ug/L	-	ND (1.0)	0.30 J	ND (10)	12	26
Semi - Volatiles							
bis(2-Ethylhexyl)phthalate	ug/L	-	18	-	-	ND (10)	ND (10)
PCBs							
Aroclor-1248	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)
Pesticides							
4,4-DDD	ug/L	-	ND (0.020)	-	-	ND (0.020)	-
Metals							
Arsenic	mg/L	-	ND (0.005)	-	-	ND (0.005)	ND (0.010)
Barium	mg/L	-	ND (0.2)	-	-	ND (0.2)	0.2
Calcium (Dissolved)	mg/L	-	110	-	-	-	-
Calcium	mg/L	-	110	-	-	150	149
Chromium	mg/L	-	ND (0.05)	-	-	ND (0.05)	ND (0.010)
Copper	mg/L	-	ND (0.025)	-	-	ND (0.025)	ND (0.025)
Iron (Dissolved)	mg/L	-	0.89	-	-	-	-
Iron	mg/L	-	ND (0.1)	-	-	ND (0.1)	ND (0.10) U
Lead	mg/L	-	ND (0.003)	-	-	ND (0.003)	ND (0.0030)
Magnesium (Dissolved)	mg/L	-	94	-	-	-	-
Magnesium	mg/L	-	94	-	-	39	38.6
Manganese (Dissolved)	mg/L	-	1.2	-	-	-	-
Manganese	mg/L	-	1.2	-	-	0.13	1.3
Mercury (Dissolved)	mg/L	-	0.00068	-	-	-	-
Mercury	mg/L	-	0.00068	-	-	0.0005	ND (0.00020)
Potassium (Dissolved)	mg/L	-	20	-	-	-	-
Potassium	mg/L	-	20	-	-	1.6	ND (5.0)
Selenium	mg/L	-	ND (0.005)	-	-	ND (0.005)	ND (0.0050)
Sodium (Dissolved)	mg/L	-	62	-	-	17	-
Sodium	mg/L	-	62	-	-	17	20.9
Zinc (Dissolved)	mg/L	-	0.02	-	-	-	-
Zinc	mg/L	-	0.02	-	-	ND (0.02)	ND (0.050)

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-101-98*	*MW-101-98*
Sample ID:			*GW-10236-021798-SM-011*	*W-12609-111999-DEN-03*	*W-12609-021000-DEN-06*	*GW-10236-021698-SM-004*	*W-12609-111899-DEN-01*
Sample Date:		*8/27/1997*	*2/17/1998*	*11/19/1999*	*2/10/2000*	*2/16/1998*	*11/18/1999*
Parameter	***Unit***						
General Chemistry							
Alkalinity (Filtered)	mg/L	-	-	-	-	-	-
Alkalinity, Total (As CaCO3)	mg/L	-	-	-	-	-	410
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-	7.0
Sulfate	mg/L	-	-	-	-	-	115
Total Organic Carbon (TOC)	mg/L	-	-	-	11	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-	-	-
Volatile Suspended Solids	mg/L	-	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-101-98*	*MW-102-98*	*MW-103-98*	*MW-103-98*	*MW-117-99*
Sample ID:		*W-12609-021000-DEN-03*	*GW-10236-021698-SM-002*	*GW-10236-021698-SM-003*	*W-12609-111999-DEN-04*	*W-12609-091599-DN-15*
Sample Date:		*2/10/2000*	*2/16/1998*	*2/16/1998*	*11/19/1999*	*9/15/1999*
Parameter	***Unit***					
Volatiles						
1,1-Dichloroethane	ug/L	ND (7.1)	ND (25)	ND (1.0)	0.12 J	-
1,1-Dichloroethene	ug/L	ND (7.1)	ND (25)	ND (1.0)	ND (1.0)	-
1,2-Dichloroethene (total)	ug/L	-	1200	2.3	-	-
1,2-Dichloropropane	ug/L	14	ND (25)	ND (1.0)	ND (1.0)	-
Acetone	ug/L	-	ND (250)	ND (100)	ND (13) U	-
Benzene	ug/L	ND (7.1)	ND (120)	ND (5.0)	0.16 J	-
Carbon disulfide	ug/L	-	ND (120)	ND (50)	5.3	-
Chlorobenzene	ug/L	ND (7.1)	ND (25)	2.2	1.1	-
Chloroform	ug/L	ND (7.1)	ND (25)	ND (1.0)	ND (1.0) U	-
cis-1,2-Dichloroethene	ug/L	-	-	-	0.22 J	-
Methylene chloride	ug/L	ND (14)	ND (120)	ND (5.0)	ND (1.0)	-
trans-1,2-Dichloroethene	ug/L	3.5 J	-	-	ND (0.50)	-
Trichloroethene	ug/L	160	67	1.6	0.37 J	-
Vinyl chloride	ug/L	25	110	ND (1.0)	0.20 J	-
Semi - Volatiles						
bis(2-Ethylhexyl)phthalate	ug/L	13	ND (10)	ND (10)	-	-
PCBs						
Aroclor-1248	ug/L	ND (1.0)	21	1.1	-	ND (1.0)
Pesticides						
4,4-DDD	ug/L	ND (0.050)	0.073	ND (0.020)	-	-
Metals						
Arsenic	mg/L	0.011	ND (0.005)	0.0052	-	-
Barium	mg/L	0.24	ND (0.2)	ND (0.2)	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	-	100	73	-	-
Chromium	mg/L	0.016	ND (0.05)	ND (0.05)	-	ND (0.010)
Copper	mg/L	-	ND (0.025)	ND (0.025)	-	-
Iron (Dissolved)	mg/L	0.24	-	-	-	-
Iron	mg/L	14.2	ND (0.1)	0.82	-	-
Lead	mg/L	0.0067	ND (0.003)	ND (0.003)	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	-	50	27	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-
Manganese	mg/L	-	0.67	2.1	-	-
Mercury (Dissolved)	mg/L	ND (0.00020)	-	-	-	-
Mercury	mg/L	ND (0.00020)	0.00036	0.00045	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	-	4.1	5.8	-	-
Selenium	mg/L	ND (0.0050)	ND (0.005)	ND (0.005)	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	-	210	160	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	-	ND (0.02)	ND (0.02)	-	-

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-101-98*	*MW-102-98*	*MW-103-98*	*MW-103-98*	*MW-117-99*
Sample ID:		*W-12609-021000-DEN-03*	*GW-10236-021698-SM-002*	*GW-10236-021698-SM-003*	*W-12609-111999-DEN-04*	*W-12609-091599-DN-15*
Sample Date:		*2/10/2000*	*2/16/1998*	*2/16/1998*	*11/19/1999*	*9/15/1999*
Parameter	***Unit***					
General Chemistry						
Alkalinity (Filtered)	mg/L	450	-	-	-	-
Alkalinity, Total (As CaCO3)	mg/L	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	17	-	-	-	-
Chloride	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	5	-	-	-	-
Total Suspended Solids (TSS)	mg/L	500	-	-	-	-
Volatile Suspended Solids	mg/L	42 J	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-117-99***
Sample ID:		***W-12609-091599-DN-16***
Sample Date:		***9/15/1999***
		Duplicate
Parameter	***Unit***	
Volatiles		
1,1-Dichloroethane	ug/L	-
1,1-Dichloroethene	ug/L	-
1,2-Dichloroethene (total)	ug/L	-
1,2-Dichloropropane	ug/L	-
Acetone	ug/L	-
Benzene	ug/L	-
Carbon disulfide	ug/L	-
Chlorobenzene	ug/L	-
Chloroform	ug/L	-
cis-1,2-Dichloroethene	ug/L	-
Methylene chloride	ug/L	-
trans-1,2-Dichloroethene	ug/L	-
Trichloroethene	ug/L	-
Vinyl chloride	ug/L	-
Semi - Volatiles		
bis(2-Ethylhexyl)phthalate	ug/L	-
PCBs		
Aroclor-1248	ug/L	ND (1.0)
Pesticides		
4,4-DDD	ug/L	-
Metals		
Arsenic	mg/L	-
Barium	mg/L	-
Calcium (Dissolved)	mg/L	-
Calcium	mg/L	-
Chromium	mg/L	ND (0.010)
Copper	mg/L	-
Iron (Dissolved)	mg/L	-
Iron	mg/L	-
Lead	mg/L	-
Magnesium (Dissolved)	mg/L	-
Magnesium	mg/L	-
Manganese (Dissolved)	mg/L	-
Manganese	mg/L	-
Mercury (Dissolved)	mg/L	-
Mercury	mg/L	-
Potassium (Dissolved)	mg/L	-
Potassium	mg/L	-
Selenium	mg/L	-
Sodium (Dissolved)	mg/L	-
Sodium	mg/L	-
Zinc (Dissolved)	mg/L	-
Zinc	mg/L	-

TABLE 3.6.3

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-117-99***
Sample ID:		***W-12609-091599-DN-16***
Sample Date:		***9/15/1999***
		Duplicate
Parameter	***Unit***	
General Chemistry		
Alkalinity (Filtered)	mg/L	-
Alkalinity, Total (As CaCO3)	mg/L	-
Chemical Oxygen Demand (COD)	mg/L	-
Chloride	mg/L	-
Sulfate	mg/L	-
Total Organic Carbon (TOC)	mg/L	-
Total Suspended Solids (TSS)	mg/L	-
Volatile Suspended Solids	mg/L	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.6.4

SUMMARY OF ANALYTICAL DETECTIONS
FORMER DISPOSAL AREA
LEACHATE SAMPLES
TOLEDO, OHIO

Location:		***LCH-1-98***
Sample ID:		***SW-10236-030598-MP-009***
Sample Date:		***3/5/1998***
Parameter	***Unit***	
Volatiles		
1,2-Dichloroethene (total)	ug/L	2.2
Vinyl chloride	ug/L	8.5
Metals		
Aluminum	mg/L	1 J
Arsenic	mg/L	0.0064
Cadmium	mg/L	0.00079
Calcium	mg/L	110
Iron	mg/L	7
Lead	mg/L	0.039
Magnesium	mg/L	55
Manganese	mg/L	2.1
Potassium	mg/L	4.1
Sodium	mg/L	150
Zinc	mg/L	0.071

Notes:

J - Estimated.

TABLE 3.7.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AREA SOUTH OF SILVER CREEK / AREA WEST OF FDA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	TP-A1-00	1 - 2	x		x		
	TP-B2-00	1 - 2[(1)]	x				
	BH-106-98	1.5 - 2.3	x	x	x	x	x
	BH-107-98	0 - 2.5	x	x	x	x	x
	BH-108-98	8 - 9.3	x	x	x	x	x
	BH235-00	0 - 2	x				
		2 - 4	x				
		4 - 6	x				
		6 - 8	x				
		8 - 10	x				
	BH236-00	0 - 2	x				
		2 - 4[(1)]	x				
		3.5 - 5.5	x				
		8 - 10	x				
	BH237-00	0 - 2	x				
		2 - 4	x				
		4 - 6	x				
		6 - 8	x				
	BH243-00	0 - 4	x				
	BH244-00	0 - 4	x				
	BH245-00	0 - 4	x				
	BH246-00	0 - 4	x				
	BH247-00	0 - 4[(1)]	x				
	TP-C3-00	0 - 4[(1)]	x				
	Group 1 (Comp)	[(1)]				x	x
	Group 10 (Comp)					x	x
	Group 11 (Comp)					x	x
	Group 12 (Comp)					x	x
	Group 2 (Comp)	[(1)]				x	x
	Group 3 (Comp)					x	x
	Group 4 (Comp)					x	x
	Group 5 (Comp)					x	x
	Group 6 (Comp)					x	x
	Group 7 (Comp)					x	x
	Group 8 (Comp)					x	x
	Group 9 (Comp)					x	x
	TP-D5-00	0 - 4	x		x	x	
	TP-D6-00	0 - 4	x				
	TP-E1-00	1 - 2[(1)]	x				
	TP-E2-00	0 - 4	x				

TABLE 3.7.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AREA SOUTH OF SILVER CREEK / AREA WEST OF FDA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	TP-E5-00	0 - 4	x				
	TP-E6-00	0 - 4	x				
	TP-F1-00	1 - 2[(1)]	x				
	TP-F2-00	1 - 2	x		x		
	TP-G1-00	2 - 3	x				
	TP-G2-00	0 - 4	x				
	TP-H1-00	0 - 4	x				
	TP-H2-00	1 - 2	x				
	HA-C1-00	0 - 1	x				
	HA-C2-00	0 - 1	x				
		3 - 4	x				
	HA-D1-00	0 - 1	x				
		3 - 4	x				
	HA-D2-00	0 - 1	x				
		3 - 4	x				
	HA-D3-00	0 - 1	x				
		3 - 4	x				
	HA-D4-00	0 - 1	x				
		3 - 4	x				
	HA-E3-00	0 - 1	x				
		3 - 4	x				
	HA-E4-00	0 - 1	x				
		3 - 4	x				
	HA-F3-00	0 - 1	x				
		3 - 4	x				
	HA-F4-00	0 - 1	x				
		3 - 4	x				
	HA-F5-00	0 - 1	x				
	HA-F6-00	0 - 1[(1)]	x				
		3 - 4[(1)]	x				
	TP-I1-00	1 - 2	x				
	TP-I2-00	0 - 4	x		x		
	TP-I3-00	1 - 2[(1)]	x				
	TP-J1-00	2 - 3	x				x
	TP-J2-00	1 - 2	x				x
	TP-J3-00	0 - 4	x				x
	TP-K1-00	0 - 4	x				x
	TP-K2-00	0 - 4	x				x
	TP-K3-00	0 - 4	x		x		x
	TP-K4-00	0 - 4	x				x
	TP-L1-00	0 - 5	x				
	TP-L2-00	0 - 4	x				

TABLE 3.7.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AREA SOUTH OF SILVER CREEK / AREA WEST OF FDA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	TP-L3-00	0 - 4	x				
	TP-L4-00	0 - 5	x				
	TP-M1-00	0 - 4	x				
	TP-M2-00	0 - 4	x		x		
	TP-M3-00	0 - 4	x				
	TP-M4-00	0 - 4	x				
	TP-N1-00	1 - 2	x				
	TP-N2-00	0 - 4	x				
	TP-N3-00	0 - 4[(1)]	x				
	TP-N4-00	0 - 4				x	x
	TP-N5-00	0 - 4	x				
	TP-O1-00	2 - 3	x				
	TP-O2-00	2 - 3	x				
	TP-O3-00	0 - 4	x				
	TP-O4-00	0 - 4	x		x	x	
	TP-O5-00	0 - 4	x				
	TP-P1-00	2 - 3	x				
	TP-P2-00	3 - 4	x		x	x	
	TP-P3-00	0 - 5[(1)]	x				
	TP-P4-00	0 - 5	x				
	TP-P5-00	0 - 3	x				
	TP-P6-00	0 - 4	x				
	TP-Q1-00	0 - 5	x				
	TP-Q2-00	2 - 3	x				
	TP-Q3-00	3 - 4	x				
	TP-Q4-00	3 - 4	x		x	x	
	TP-Q5-00	3 - 4	x				
	TP-Q6-00	0 - 4[(1)]	x				
	TP-R1-00	1 - 2	x				
	TP-R2-00	0 - 3	x				
	TP-R3-00	0 - 4[(1)]	x		x	x	
	TP-R4-00	0 - 4	x				
	TP-R6-00	0 - 4	x				
	TP-S1-00	1 - 2	x				
	S-1	0 - 0.5	x	x	x		x
	TP-S2-00	0 - 3	x				
	S-2	0 - 0.5	x	x	x		x
	TP-S3-00	0 - 4	x				
	S-3	0 - 0.5[(1)]	x	x	x		x
	TP-S4-00	0 - 4	x				
	TP-S5-00	2 - 3	x				
	TP-S6-00	0 - 5[(1)]	x				

TABLE 3.7.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AREA SOUTH OF SILVER CREEK / AREA WEST OF FDA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	TP-S7-00	0 - 3	x				
	TP-T1-00	0 - 3	x				
	TP-T2-00	0 - 5	x				
	TP-T3-00	0 - 5	x				
	TP-T4-00	0 - 5	x				
	TP-T5-00	0 - 4	x				
	TP-T6-00	0 - 5	x				
	TP-10 / 10A-99	1 - 2	x	x	x	x	
	TP-14-99	0 - 2	x	x	x	x	
	TP-1-99	4 - 6	x	x	x	x	
		8 - 10	x	x	x	x	
	TP-2-99	6 - 8	x	x	x	x	
	TP-4-99	0 - 2	x	x	x	x	
	TP-4A-98	0 - 1.5	x	x	x	x	
	TP-8A-99	0 - 1.5	x	x	x	x	
	TP-J1A-00	2 - 3[(1)]					x
		4 - 5					x
	TP-J1B-00	2 - 5					x
	TP-JIC-00	1 - 5					x
	TP-J1D-00	1 - 4					x
	TP-J1E-00	1 - 4[(1)]					x
	TP-J1F-00	2.5 - 4					x
		4 - 5					x
	TP-U2-00	0 - 5	x		x	x	
	TP-U3-00	0 - 4	x				
	TP-U4-00	0 - 4	x				
	TP-U5-00	0 - 4	x				
	TP-U6-00	0 - 5	x				
		0 - 4	x				
	TP-U7-00	0 - 5	x		x	x	

Notes:
[(1)] Duplicate samples were taken

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-A1-00***	***TP-B2-00***	***TP-B2-00***	***BH-106-98***	***BH-107-98***
Sample ID:		***S-12609-041400-RSH-595***	***S-12609-041400-RSH-593***	***S-12609-041400-RSH-594***	***S-10236-011298-FCE-012***	***S-10236-011398-FCE-013***
Sample Depth;		***(1-2)***	***(1-2)***	***(1-2)***	***(1.5-2.3)***	***(0-2.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***1/12/1998***	***1/13/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,1-Dichloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
Acetone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
Benzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Carbon disulfide	ug/Kg	ND (4.5)	-	-	ND (100)	ND (100)
Chlorobenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Ethylbenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Methylene chloride	ug/Kg	1.0 J	-	-	ND (10)	ND (10)
Styrene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Tetrachloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Toluene	ug/Kg	0.71 J	-	-	ND (10)	ND (10)
Trichloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Xylene (total)	ug/Kg	1.8 J	-	-	ND (30)	ND (30)
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	ND (330)	ND (330)
Anthracene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(a)anthracene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(a)pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Butyl benzylphthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Carbazole	ug/Kg	-	-	-	ND (330)	ND (330)
Chrysene	ug/Kg	-	-	-	ND (330)	ND (330)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (330)	ND (330)
Dibenzofuran	ug/Kg	-	-	-	ND (330)	ND (330)
Fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
Fluorene	ug/Kg	-	-	-	ND (330)	ND (330)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
Phenanthrene	ug/Kg	-	-	-	ND (330)	ND (330)
Pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
PCBs						
Aroclor-1248	ug/Kg	ND (37)	ND (200)	ND (40)	2100	ND (330)
Aroclor-1254	ug/Kg	ND (37)	1900	530	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Total PCBs	ug/Kg	-	-	-	2100	ND (330)

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-A1-00***	***TP-B2-00***	***TP-B2-00***	***BH-106-98***	***BH-107-98***
Sample ID:		***S-12609-041400-RSH-595***	***S-12609-041400-RSH-593***	***S-12609-041400-RSH-594***	***S-10236-011298-FCE-012***	***S-10236-011398-FCE-013***
Sample Depth;		***(1-2)***	***(1-2)***	***(1-2)***	***(1.5-2.3)***	***(0-2.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***1/12/1998***	***1/13/1998***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	10000 J	2200 J
Antimony	mg/Kg	-	-	-	ND (0.5)	R
Arsenic	mg/Kg	-	-	-	2.5	0.72 J
Barium	mg/Kg	-	-	-	74	9.2
Beryllium	mg/Kg	-	-	-	0.71 J	ND (0.25)
Cadmium	mg/Kg	-	-	-	0.15	0.068 J
Calcium	mg/Kg	-	-	-	10000	90000
Chromium	mg/Kg	-	-	-	25	4.6
Cobalt	mg/Kg	-	-	-	4.9 J	1.7 J
Copper	mg/Kg	-	-	-	28 J	1.6 J
Iron	mg/Kg	-	-	-	20000	3900
Lead	mg/Kg	-	-	-	14	3.4
Magnesium	mg/Kg	-	-	-	7000	30000
Manganese	mg/Kg	-	-	-	150 J	200 J
Mercury	mg/Kg	-	-	-	ND (0.1)	ND (0.1)
Nickel	mg/Kg	-	-	-	16	3.1
Potassium	mg/Kg	-	-	-	1600 J	360 J
Selenium	mg/Kg	-	-	-	ND (0.5)	R
Silver	mg/Kg	-	-	-	1.2	ND (0.5) UJ
Sodium	mg/Kg	-	-	-	85 J	120 J
Thallium	mg/Kg	-	-	-	ND (0.5)	ND (0.5)
Vanadium	mg/Kg	-	-	-	22 J	5.9 J
Zinc	mg/Kg	-	-	-	74 J	220 J
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	0.23
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-108-98***	***BH235-00***	***BH235-00***	***BH235-00***	***BH235-00***
Sample ID:		***S-10236-011398-FCE-014***	***S-12609-060700-DEN-118***	***S-12609-060700-DEN-119***	***S-12609-060700-DEN-120***	***S-12609-060700-DEN-121***
Sample Depth;		***(8-9.3)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***1/13/1998***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (100)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	-	-	-
Acetone	ug/Kg	ND (100)	-	-	-	-
Benzene	ug/Kg	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (100)	-	-	-	-
Chlorobenzene	ug/Kg	ND (10)	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	-	-	-	-
Styrene	ug/Kg	ND (10)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	-	-	-	-
Toluene	ug/Kg	ND (10)	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (30)	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	ND (330)	-	-	-	-
Anthracene	ug/Kg	ND (330)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (330)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (330)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (330)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (330)	-	-	-	-
Butyl benzylphthalate	ug/Kg	ND (330)	-	-	-	-
Carbazole	ug/Kg	ND (330)	-	-	-	-
Chrysene	ug/Kg	ND (330)	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (330)	-	-	-	-
Dibenzofuran	ug/Kg	ND (330)	-	-	-	-
Fluoranthene	ug/Kg	ND (330)	-	-	-	-
Fluorene	ug/Kg	ND (330)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (330)	-	-	-	-
Phenanthrene	ug/Kg	ND (330)	-	-	-	-
Pyrene	ug/Kg	ND (330)	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1254	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1260	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Total PCBs	ug/Kg	ND (330)	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-108-98***	***BH235-00***	***BH235-00***	***BH235-00***	***BH235-00***
Sample ID:		***S-10236-011398-FCE-014***	***S-12609-060700-DEN-118***	***S-12609-060700-DEN-119***	***S-12609-060700-DEN-120***	***S-12609-060700-DEN-121***
Sample Depth;		***(8-9.3)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***1/13/1998***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	7000 J	-	-	-	-
Antimony	mg/Kg	R	-	-	-	-
Arsenic	mg/Kg	4.8 J	-	-	-	-
Barium	mg/Kg	51	-	-	-	-
Beryllium	mg/Kg	0.44	-	-	-	-
Cadmium	mg/Kg	0.31 J	-	-	-	-
Calcium	mg/Kg	60000	-	-	-	-
Chromium	mg/Kg	13	-	-	-	-
Cobalt	mg/Kg	7.7 J	-	-	-	-
Copper	mg/Kg	12 J	-	-	-	-
Iron	mg/Kg	20000	-	-	-	-
Lead	mg/Kg	13	-	-	-	-
Magnesium	mg/Kg	20000	-	-	-	-
Manganese	mg/Kg	310 J	-	-	-	-
Mercury	mg/Kg	ND (0.1)	-	-	-	-
Nickel	mg/Kg	18	-	-	-	-
Potassium	mg/Kg	1200 J	-	-	-	-
Selenium	mg/Kg	0.64 J	-	-	-	-
Silver	mg/Kg	0.61 J	-	-	-	-
Sodium	mg/Kg	120 J	-	-	-	-
Thallium	mg/Kg	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	17 J	-	-	-	-
Zinc	mg/Kg	54 J	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	0.27	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH235-00***	***BH236-00***	***BH236-00***	***BH236-00***	***BH236-00***
Sample ID:		***S-12609-060700-DEN-122***	***S-12609-060700-DEN-113***	***S-12609-060700-DEN-114***	***S-12609-060700-DEN-116***	***S-12609-060700-DEN-115***
Sample Depth;		***(8-10)***	***(0-2)***	***(2-4)***	***(2-4)***	***(3.5-5.5)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH235-00***	***BH236-00***	***BH236-00***	***BH236-00***	***BH236-00***
Sample ID:		***S-12609-060700-DEN-122***	***S-12609-060700-DEN-113***	***S-12609-060700-DEN-114***	***S-12609-060700-DEN-116***	***S-12609-060700-DEN-115***
Sample Depth;		***(8-10)***	***(0-2)***	***(2-4)***	***(2-4)***	***(3.5-5.5)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH236-00***	***BH237-00***	***BH237-00***	***BH237-00***	***BH237-00***
Sample ID:		***S-12609-060700-DEN-117***	***S-12609-060700-DEN-123***	***S-12609-060700-DEN-124***	***S-12609-060700-DEN-125***	***S-12609-060700-DEN-126***
Sample Depth;		***(8-10)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (43)	43	ND (40)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH236-00*	*BH237-00*	*BH237-00*	*BH237-00*	*BH237-00*
Sample ID:		*S-12609-060700-DEN-117*	*S-12609-060700-DEN-123*	*S-12609-060700-DEN-124*	*S-12609-060700-DEN-125*	*S-12609-060700-DEN-126*
Sample Depth;		*(8-10)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH243-00***	***BH244-00***	***BH245-00***	***BH246-00***	***BH247-00***
Sample ID:		***S-12609-060100-DEN-18***	***S-12609-060100-DEN-16***	***S-12609-060100-DEN-14***	***S-12609-060100-DEN-15***	***S-12609-060100-DEN-17***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1254	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1260	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH243-00***	***BH244-00***	***BH245-00***	***BH246-00***	***BH247-00***
Sample ID:		***S-12609-060100-DEN-18***	***S-12609-060100-DEN-16***	***S-12609-060100-DEN-14***	***S-12609-060100-DEN-15***	***S-12609-060100-DEN-17***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH247-00*	*TP-C3-00*	*TP-C3-00*	*Comp of Group 1*	*Comp of Group 1*
Sample ID:		*S-12609-060100-DEN-20*	*S-12609-041400-RSH-596*	*S-12609-041400-RSH-597*	*S-12609-041100-RSH-516*	*S-12609-041100-RSH-517*
Sample Depth;		*(0-4)*	*(0-4)*	*(0-4)*		
Sample Date:		*6/1/2000*	*4/14/2000*	*4/14/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	ND (400)	ND (380)
Anthracene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(a)anthracene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(a)pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (400)	ND (380)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Butyl benzylphthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Carbazole	ug/Kg	-	-	-	ND (400)	ND (380)
Chrysene	ug/Kg	-	-	-	ND (400)	ND (380)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (400)	ND (380)
Dibenzofuran	ug/Kg	-	-	-	ND (400)	ND (380)
Fluoranthene	ug/Kg	-	-	-	ND (400)	57 J
Fluorene	ug/Kg	-	-	-	ND (400)	ND (380)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
Phenanthrene	ug/Kg	-	-	-	ND (400)	ND (380)
Pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1254	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1260	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH247-00***	***TP-C3-00***	***TP-C3-00***	***Comp of Group 1***	***Comp of Group 1***
Sample ID:		***S-12609-060100-DEN-20***	***S-12609-041400-RSH-596***	***S-12609-041400-RSH-597***	***S-12609-041100-RSH-516***	***S-12609-041100-RSH-517***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***		
Sample Date:		***6/1/2000***	***4/14/2000***	***4/14/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	9840	5010
Antimony	mg/Kg	-	-	-	ND (7.2) J	ND (6.8)
Arsenic	mg/Kg	-	-	-	6.3	3.1
Barium	mg/Kg	-	-	-	85.1 J	34.4
Beryllium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Cadmium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Calcium	mg/Kg	-	-	-	7970 J	6310
Chromium	mg/Kg	-	-	-	16.2 J	9.1
Cobalt	mg/Kg	-	-	-	7.1	ND (5.7)
Copper	mg/Kg	-	-	-	17.7 J	7.3
Iron	mg/Kg	-	-	-	19700	8250
Lead	mg/Kg	-	-	-	9.2	9.1
Magnesium	mg/Kg	-	-	-	4840 J	3080
Manganese	mg/Kg	-	-	-	766	165
Mercury	mg/Kg	-	-	-	ND (0.12)	ND (0.11)
Nickel	mg/Kg	-	-	-	21.2 J	8.6
Potassium	mg/Kg	-	-	-	1150	ND (570)
Selenium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Silver	mg/Kg	-	-	-	ND (1.2)	ND (1.1)
Sodium	mg/Kg	-	-	-	ND (599)	ND (570)
Thallium	mg/Kg	-	-	-	ND (1.2)	ND (1.1)
Vanadium	mg/Kg	-	-	-	24.0	13.0
Zinc	mg/Kg	-	-	-	38.6 J	28.0
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***Comp of Group 2***	***Comp of Group 2***	***Comp of Group 3***	***Comp of Group 4***	***Comp of Group 5***
Sample ID:		***S-12609-041100-RSH-518***	***S-12609-041100-RSH-519***	***S-12609-041200-RSH-546***	***S-12609-041200-RSH-547***	***S-12609-041200-RSH-548***
Sample Depth;						
Sample Date:		***4/11/2000***	***4/11/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(a)anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(a)pyrene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(g,h,i)perylene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Butyl benzylphthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Carbazole	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Chrysene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	48 J
Dibenz(a,h)anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Dibenzofuran	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Fluoranthene	ug/Kg	59 J	87 J	ND (400)	ND (380)	130 J
Fluorene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Phenanthrene	ug/Kg	ND (410)	47 J	ND (400)	ND (380)	120 J
Pyrene	ug/Kg	ND (410)	65 J	ND (400)	ND (380)	100 J
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***Comp of Group 2***	***Comp of Group 2***	***Comp of Group 3***	***Comp of Group 4***	***Comp of Group 5***
Sample ID:		***S-12609-041100-RSH-518***	***S-12609-041100-RSH-519***	***S-12609-041200-RSH-546***	***S-12609-041200-RSH-547***	***S-12609-041200-RSH-548***
Sample Depth;						
Sample Date:		***4/11/2000***	***4/11/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	5940	8070	11600	3340	6850
Antimony	mg/Kg	ND (7.5)	ND (7.0)	ND (7.3)	ND (6.9)	ND (7.2)
Arsenic	mg/Kg	3.4	4.3	6.1	1.4	3.3
Barium	mg/Kg	45.4	64.7	80.2	ND (22.9)	44.4
Beryllium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	ND (0.60)
Cadmium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	ND (0.60)
Calcium	mg/Kg	7230	4560	3830	766	2480
Chromium	mg/Kg	9.3	12.6	17.0	5.7	10.9
Cobalt	mg/Kg	ND (6.3)	5.9	8.6	ND (5.7)	ND (6.0)
Copper	mg/Kg	9.9	11.1	14.0	ND (2.9)	6.7
Iron	mg/Kg	9610	14000	19400	4500	8900
Lead	mg/Kg	9.7	8.5	7.8	2.1	7.9
Magnesium	mg/Kg	3640	3080	4010	730	1530
Manganese	mg/Kg	212	221	537	38.7	124
Mercury	mg/Kg	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Nickel	mg/Kg	9.8	13.7	21.6	ND (4.6)	8.5
Potassium	mg/Kg	653	846	1230	ND (572)	ND (602)
Selenium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	0.60
Silver	mg/Kg	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)
Sodium	mg/Kg	ND (627)	ND (583)	ND (607)	ND (572)	ND (602)
Thallium	mg/Kg	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)
Vanadium	mg/Kg	13.7	16.7	26.1	8.9	14.1
Zinc	mg/Kg	36.4	38.5	39.3	9.7	38.6
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***Comp of Group 6***	***Comp of Group 7***	***Comp of Group 8***	***Comp of Group 9***	***Comp of Group 10***
Sample ID:		***S-12609-041300-RSH-575***	***S-12609-041300-RSH-576***	***S-12609-041300-RSH-577***	***S-12609-041400-RSH-603***	***S-12609-041400-RSH-604***
Sample Depth;						
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (52)	ND (54)
Anthracene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
Benzo(a)anthracene	ug/Kg	ND (380)	ND (400)	65 J	110 J	140 J
Benzo(a)pyrene	ug/Kg	ND (380)	ND (400)	70 J	120 J	190 J
Benzo(b)fluoranthene	ug/Kg	ND (380)	ND (400)	100 J	180 J	290 J
Benzo(g,h,i)perylene	ug/Kg	ND (380)	ND (400)	84 J	120 J	200 J
Benzo(k)fluoranthene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (37)	94 J
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	53 J
Butyl benzylphthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	89 J
Carbazole	ug/Kg	ND (380)	ND (400)	ND (410)	ND (49)	ND (50)
Chrysene	ug/Kg	ND (380)	ND (400)	75 J	130 J	190 J
Dibenz(a,h)anthracene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (64)	ND (66)
Dibenzofuran	ug/Kg	ND (380)	ND (400)	ND (410)	ND (57)	ND (59)
Fluoranthene	ug/Kg	ND (380)	ND (400)	130 J	230 J	360 J
Fluorene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (51)	ND (53)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (380)	ND (400)	ND (410)	110 J	200 J
Phenanthrene	ug/Kg	ND (380)	ND (400)	65 J	110 J	140 J
Pyrene	ug/Kg	ND (380)	ND (400)	120 J	200 J	300 J
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***Comp of Group 6***	***Comp of Group 7***	***Comp of Group 8***	***Comp of Group 9***	***Comp of Group 10***
Sample ID:		***S-12609-041300-RSH-575***	***S-12609-041300-RSH-576***	***S-12609-041300-RSH-577***	***S-12609-041400-RSH-603***	***S-12609-041400-RSH-604***
Sample Depth;						
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	2490	4730	34300	5970	6360
Antimony	mg/Kg	ND (6.9)	ND (7.2)	ND (7.5)	ND (1.7)	ND (1.8)
Arsenic	mg/Kg	1.6	2.3	2.8	4.2	5.1
Barium	mg/Kg	ND (23.1)	ND (24.0)	33.7	39.6	64.1
Beryllium	mg/Kg	ND (0.58)	ND (0.60)	ND (0.62)	ND (0.14)	ND (0.14)
Cadmium	mg/Kg	ND (0.58)	ND (0.60)	0.88	ND (0.25)	ND (0.26)
Calcium	mg/Kg	6950	2340	7830	20900	18500
Chromium	mg/Kg	4.2	7.1	1110	10.6	12.2
Cobalt	mg/Kg	ND (5.8)	ND (6.0)	ND (6.2)	ND (0.68)	7.0
Copper	mg/Kg	3.5	4.8	758	10.9	14.1
Iron	mg/Kg	4480	6750	10200	10500	10800
Lead	mg/Kg	1.7	5.7	33.7	9.6	28.3
Magnesium	mg/Kg	1420	1470	3670	10100	7960
Manganese	mg/Kg	91.8	108	1270	159	288
Mercury	mg/Kg	ND (0.12)	ND (0.12)	0.12	ND (0.0054)	ND (0.0056)
Nickel	mg/Kg	ND (4.6)	6.4	31.4	9.6	14.1
Potassium	mg/Kg	ND (577)	ND (600)	ND (621)	736	987
Selenium	mg/Kg	ND (0.58)	ND (0.60)	ND (0.62)	ND (0.44)	ND (0.45)
Silver	mg/Kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.15)	ND (0.16)
Sodium	mg/Kg	ND (577)	ND (600)	ND (621)	ND (27.7)	ND (28.7)
Thallium	mg/Kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.67)	ND (0.69)
Vanadium	mg/Kg	8.0	12.1	43.0	16.7	16.4
Zinc	mg/Kg	9.9	18.2	712	34.0	62.7
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 11*	*Comp of Group 12*	*TP-D5-00*	*TP-D6-00*	*TP-E1-00*
Sample ID:		*S-12609-041400-RSH-605*	*S-12609-041400-RSH-606*	*S-12609-041400-RSH-598*	*S-12609-041400-RSH-600*	*S-12609-041400-RSH-588*
Sample Depth;				*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,1-Dichloroethene	ug/Kg	-	-	ND (5.2)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	ND (21)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (21)	-	-
Acetone	ug/Kg	-	-	ND (21) U	-	-
Benzene	ug/Kg	-	-	ND (5.2)	-	-
Carbon disulfide	ug/Kg	-	-	ND (5.2)	-	-
Chlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
Ethylbenzene	ug/Kg	-	-	ND (5.2)	-	-
Methylene chloride	ug/Kg	-	-	0.45 J	-	-
Styrene	ug/Kg	-	-	ND (5.2)	-	-
Tetrachloroethene	ug/Kg	-	-	1.1 J	-	-
Toluene	ug/Kg	-	-	0.32 J	-	-
Trichloroethene	ug/Kg	-	-	ND (5.2)	-	-
Xylene (total)	ug/Kg	-	-	0.88 J	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	ND (53)	160 J	-	-	-
Anthracene	ug/Kg	ND (43)	530	-	-	-
Benzo(a)anthracene	ug/Kg	ND (53)	1300	-	-	-
Benzo(a)pyrene	ug/Kg	ND (43)	1100	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (61)	1500	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (48)	690	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (38)	580	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (43)	ND (48)	-	-	-
Butyl benzylphthalate	ug/Kg	ND (46)	ND (50)	-	-	-
Carbazole	ug/Kg	ND (49)	220 J	-	-	-
Chrysene	ug/Kg	ND (42)	1300	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (65)	190 J	-	-	-
Dibenzofuran	ug/Kg	ND (58)	90 J	-	-	-
Fluoranthene	ug/Kg	ND (46)	3200	-	-	-
Fluorene	ug/Kg	ND (52)	180 J	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (60)	780	-	-	-
Phenanthrene	ug/Kg	ND (46)	2000	-	-	-
Pyrene	ug/Kg	ND (48)	2500	-	-	-
PCBs						
Aroclor-1248	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1254	ug/Kg	-	-	ND (43)	ND (40)	43
Aroclor-1260	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***Comp of Group 11***	***Comp of Group 12***	***TP-D5-00***	***TP-D6-00***	***TP-E1-00***
Sample ID:		***S-12609-041400-RSH-605***	***S-12609-041400-RSH-606***	***S-12609-041400-RSH-598***	***S-12609-041400-RSH-600***	***S-12609-041400-RSH-588***
Sample Depth;				***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	8570	7560	-	-	-
Antimony	mg/Kg	ND (1.8)	ND (1.9)	-	-	-
Arsenic	mg/Kg	4.6	4.9	-	-	-
Barium	mg/Kg	59.7	62.6	-	-	-
Beryllium	mg/Kg	ND (0.14)	ND (0.15)	-	-	-
Cadmium	mg/Kg	ND (0.26)	ND (0.28)	-	-	-
Calcium	mg/Kg	6820	17000	-	-	-
Chromium	mg/Kg	21.8	14.8	-	-	-
Cobalt	mg/Kg	7.1	ND (0.76)	-	-	-
Copper	mg/Kg	17.7	42.6	-	-	-
Iron	mg/Kg	15400	12400	-	-	-
Lead	mg/Kg	13.1	32.8	-	-	-
Magnesium	mg/Kg	4460	6700	-	-	-
Manganese	mg/Kg	324	300	-	-	-
Mercury	mg/Kg	ND (0.0055)	0.19	-	-	-
Nickel	mg/Kg	43.3	14.9	-	-	-
Potassium	mg/Kg	1320	825	-	-	-
Selenium	mg/Kg	ND (0.45)	ND (0.49)	-	-	-
Silver	mg/Kg	ND (0.15)	ND (0.17)	-	-	-
Sodium	mg/Kg	ND (28.2)	ND (30.8)	-	-	-
Thallium	mg/Kg	ND (0.68)	ND (0.75)	-	-	-
Vanadium	mg/Kg	20.3	15.4	-	-	-
Zinc	mg/Kg	44.3	87.8	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-E1-00***	***TP-E2-00***	***TP-E5-00***	***TP-E6-00***	***TP-F1-00***
Sample ID:		***S-12609-041400-RSH-589***	***S-12609-041400-RSH-591***	***S-12609-041400-RSH-602***	***S-12609-041400-RSH-601***	***S-12609-041400-RSH-586***
Sample Depth;		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1254	ug/Kg	45	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-E1-00***	***TP-E2-00***	***TP-E5-00***	***TP-E6-00***	***TP-F1-00***
Sample ID:		***S-12609-041400-RSH-589***	***S-12609-041400-RSH-591***	***S-12609-041400-RSH-602***	***S-12609-041400-RSH-601***	***S-12609-041400-RSH-586***
Sample Depth;		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-F1-00***	***TP-F2-00***	***TP-G1-00***	***TP-G2-00***	***TP-H1-00***
Sample ID:		***S-12609-041400-RSH-587***	***S-12609-041400-RSH-590***	***S-12609-041400-RSH-584***	***S-12609-041400-RSH-585***	***S-12609-041400-RSH-583***
Sample Depth;		***(1-2)***	***(1-2)***	***(2-3)***	***(0-4)***	***(0-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (6.4)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	ND (26)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (26)	-	-	-
Acetone	ug/Kg	-	ND (26) U	-	-	-
Benzene	ug/Kg	-	ND (6.4)	-	-	-
Carbon disulfide	ug/Kg	-	ND (6.4)	-	-	-
Chlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
Ethylbenzene	ug/Kg	-	ND (6.4)	-	-	-
Methylene chloride	ug/Kg	-	1.5 J	-	-	-
Styrene	ug/Kg	-	ND (6.4)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (6.4)	-	-	-
Toluene	ug/Kg	-	0.57 J	-	-	-
Trichloroethene	ug/Kg	-	ND (6.4)	-	-	-
Xylene (total)	ug/Kg	-	1.6 J	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1254	ug/Kg	ND (38)	74	120	ND (38)	ND (35)
Aroclor-1260	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-F1-00***	***TP-F2-00***	***TP-G1-00***	***TP-G2-00***	***TP-H1-00***
Sample ID:		***S-12609-041400-RSH-587***	***S-12609-041400-RSH-590***	***S-12609-041400-RSH-584***	***S-12609-041400-RSH-585***	***S-12609-041400-RSH-583***
Sample Depth;		***(1-2)***	***(1-2)***	***(2-3)***	***(0-4)***	***(0-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-H2-00***	***HA-C1-00***	***HA-C2-00***	***HA-C2-00***	***HA-D1-00***
Sample ID:		***S-12609-041400-RSH-582***	***S-12609-041400-DRD-417***	***S-12609-041400-DRD-419***	***S-12609-041400-DRD-420***	***S-12609-041400-DRD-423***
Sample Depth;		***(1-2)***	***(0-1)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (77)	ND (20)	ND (20)	ND (9.4)	ND (10)
Aroclor-1254	ug/Kg	550	390 J	440	260	ND (25)
Aroclor-1260	ug/Kg	ND (77)	ND (35)	ND (34)	ND (16)	ND (17)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-H2-00***	***HA-C1-00***	***HA-C2-00***	***HA-C2-00***	***HA-D1-00***
Sample ID:		***S-12609-041400-RSH-582***	***S-12609-041400-DRD-417***	***S-12609-041400-DRD-419***	***S-12609-041400-DRD-420***	***S-12609-041400-DRD-423***
Sample Depth;		***(1-2)***	***(0-1)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D1-00***	***HA-D2-00***	***HA-D2-00***	***HA-D3-00***	***HA-D3-00***
Sample ID:		***S-12609-041400-DRD-424***	***S-12609-041400-DRD-421***	***S-12609-041400-DRD-422***	***S-12609-041300-DRD-411***	***S-12609-041300-DRD-412***
Sample Depth;		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (9.6)	ND (10)	ND (9.9)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (24)	ND (25)	ND (24)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (17)	ND (17)	ND (17)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D1-00***	***HA-D2-00***	***HA-D2-00***	***HA-D3-00***	***HA-D3-00***
Sample ID:		***S-12609-041400-DRD-424***	***S-12609-041400-DRD-421***	***S-12609-041400-DRD-422***	***S-12609-041300-DRD-411***	***S-12609-041300-DRD-412***
Sample Depth;		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D4-00***	***HA-D4-00***	***HA-E3-00***	***HA-E3-00***	***HA-E4-00***
Sample ID:		***S-12609-041300-DRD-409***	***S-12609-041300-DRD-410***	***S-12609-041300-DRD-413***	***S-12609-041300-DRD-414***	***S-12609-041400-DRD-435***
Sample Depth;		***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (11)
Aroclor-1254	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (27)
Aroclor-1260	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (19)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D4-00***	***HA-D4-00***	***HA-E3-00***	***HA-E3-00***	***HA-E4-00***
Sample ID:		***S-12609-041300-DRD-409***	***S-12609-041300-DRD-410***	***S-12609-041300-DRD-413***	***S-12609-041300-DRD-414***	***S-12609-041400-DRD-435***
Sample Depth;		***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-E4-00***	***HA-F3-00***	***HA-F3-00***	***HA-F4-00***	***HA-F4-00***
Sample ID:		***S-12609-041400-DRD-436***	***S-12609-041300-DRD-415***	***S-12609-041300-DRD-416***	***S-12609-041400-DRD-425***	***S-12609-041400-DRD-426***
Sample Depth;		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (9.7)	ND (40)	ND (38)	ND (9.8)	ND (9.4)
Aroclor-1254	ug/Kg	ND (24)	ND (40)	ND (38)	ND (24)	ND (23)
Aroclor-1260	ug/Kg	ND (17)	ND (40)	ND (38)	ND (17)	ND (16)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-E4-00***	***HA-F3-00***	***HA-F3-00***	***HA-F4-00***	***HA-F4-00***
Sample ID:		***S-12609-041400-DRD-436***	***S-12609-041300-DRD-415***	***S-12609-041300-DRD-416***	***S-12609-041400-DRD-425***	***S-12609-041400-DRD-426***
Sample Depth;		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-F5-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***
Sample ID:		***S-12609-041400-DRD-427***	***S-12609-041400-DRD-429***	***S-12609-041400-DRD-431***	***S-12609-041400-DRD-430***	***S-12609-041400-DRD-432***
Sample Depth;		***(0-1)***	***(0-1)***	***(0-1)***	***(3-4)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (9.6)	ND (9.9)	ND (9.3)	ND (10)	ND (9.8)
Aroclor-1254	ug/Kg	ND (24)	ND (24)	ND (23)	ND (25)	ND (24)
Aroclor-1260	ug/Kg	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***HA-F5-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***
Sample ID:		***S-12609-041400-DRD-427***	***S-12609-041400-DRD-429***	***S-12609-041400-DRD-431***	***S-12609-041400-DRD-430***	***S-12609-041400-DRD-432***
Sample Depth;		***(0-1)***	***(0-1)***	***(0-1)***	***(3-4)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-I1-00***	***TP-I2-00***	***TP-I3-00***	***TP-I3-00***	***TP-J1-00***
Sample ID:		***S-12609-041400-RSH-578***	***S-12609-041400-RSH-579***	***S-12609-041400-RSH-580***	***S-12609-041400-RSH-581***	***S-12609-041300-RSH-574***
Sample Depth;		***(1-2)***	***(0-4)***	***(1-2)***	***(1-2)***	***(2-3)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (0.11)	-	-	-
1,1-Dichloroethene	ug/Kg	-	1.3 J	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	ND (0.91)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (0.42)	-	-	-
Acetone	ug/Kg	-	ND (2.1)	-	-	-
Benzene	ug/Kg	-	ND (0.23)	-	-	-
Carbon disulfide	ug/Kg	-	ND (0.32)	-	-	-
Chlorobenzene	ug/Kg	-	ND (0.20)	-	-	-
Ethylbenzene	ug/Kg	-	ND (0.25)	-	-	-
Methylene chloride	ug/Kg	-	1.1 J	-	-	-
Styrene	ug/Kg	-	ND (0.22)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (0.18)	-	-	-
Toluene	ug/Kg	-	0.42 J	-	-	-
Trichloroethene	ug/Kg	-	ND (0.21)	-	-	-
Xylene (total)	ug/Kg	-	0.92 J	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (9.1)	ND (9.0)	ND (9.2)	ND (9.2)	530
Aroclor-1254	ug/Kg	ND (22)	ND (22)	ND (23)	ND (23)	ND (42)
Aroclor-1260	ug/Kg	200	ND (16)	ND (16)	ND (16)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-I1-00***	***TP-I2-00***	***TP-I3-00***	***TP-I3-00***	***TP-J1-00***
Sample ID:		***S-12609-041400-RSH-578***	***S-12609-041400-RSH-579***	***S-12609-041400-RSH-580***	***S-12609-041400-RSH-581***	***S-12609-041300-RSH-574***
Sample Depth;		***(1-2)***	***(0-4)***	***(1-2)***	***(1-2)***	***(2-3)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	146
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J2-00***	***TP-J3-00***	***TP-K1-00***	***TP-K2-00***	***TP-K3-00***
Sample ID:		***S-12609-041300-RSH-570***	***S-12609-041300-RSH-569***	***S-12609-041300-RSH-573***	***S-12609-041300-RSH-571***	***S-12609-041300-RSH-568***
Sample Depth;		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethene	ug/Kg	-	-	-	-	2.0 J
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	ND (19)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (19)
Acetone	ug/Kg	-	-	-	-	ND (19)
Benzene	ug/Kg	-	-	-	-	ND (4.8)
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.8)
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.8)
Methylene chloride	ug/Kg	-	-	-	-	2.3 J
Styrene	ug/Kg	-	-	-	-	0.28 J
Tetrachloroethene	ug/Kg	-	-	-	-	ND (4.8)
Toluene	ug/Kg	-	-	-	-	0.59 J
Trichloroethene	ug/Kg	-	-	-	-	ND (4.8)
Xylene (total)	ug/Kg	-	-	-	-	2.2 J
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1254	ug/Kg	210	ND (38)	ND (37)	ND (36)	69
Aroclor-1260	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-J2-00***	***TP-J3-00***	***TP-K1-00***	***TP-K2-00***	***TP-K3-00***
Sample ID:		***S-12609-041300-RSH-570***	***S-12609-041300-RSH-569***	***S-12609-041300-RSH-573***	***S-12609-041300-RSH-571***	***S-12609-041300-RSH-568***
Sample Depth;		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	9.2	6.6	5.2	6.7	21.0
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-K4-00***	***TP-L1-00***	***TP-L2-00***	***TP-L3-00***	***TP-L4-00***
Sample ID:		***S-12609-041300-RSH-567***	***S-12609-041300-RSH-565***	***S-12609-041300-RSH-572***	***S-12609-041300-RSH-561***	***S-12609-041300-RSH-566***
Sample Depth;		***(0-4)***	***(0-5)***	***(0-4)***	***(0-4)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	40
Aroclor-1254	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-K4-00***	***TP-L1-00***	***TP-L2-00***	***TP-L3-00***	***TP-L4-00***
Sample ID:		***S-12609-041300-RSH-567***	***S-12609-041300-RSH-565***	***S-12609-041300-RSH-572***	***S-12609-041300-RSH-561***	***S-12609-041300-RSH-566***
Sample Depth;		***(0-4)***	***(0-5)***	***(0-4)***	***(0-4)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	13.3	-	5.7	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-M1-00***	***TP-M2-00***	***TP-M3-00***	***TP-M4-00***	***TP-N1-00***
Sample ID:		***S-12609-041300-RSH-564***	***S-12609-041300-RSH-563***	***S-12609-041300-RSH-560***	***S-12609-041300-RSH-562***	***S-12609-041300-RSH-556***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.2)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	ND (21)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	0.81 J	-	-	-
Acetone	ug/Kg	-	ND (21) U	-	-	-
Benzene	ug/Kg	-	ND (5.2)	-	-	-
Carbon disulfide	ug/Kg	-	ND (5.2)	-	-	-
Chlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
Ethylbenzene	ug/Kg	-	ND (5.2)	-	-	-
Methylene chloride	ug/Kg	-	0.97 J	-	-	-
Styrene	ug/Kg	-	ND (5.2)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (5.2)	-	-	-
Toluene	ug/Kg	-	0.53 J	-	-	-
Trichloroethene	ug/Kg	-	ND (5.2)	-	-	-
Xylene (total)	ug/Kg	-	1.4 J	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1254	ug/Kg	ND (39)	400 J	ND (35)	ND (40)	ND (41)
Aroclor-1260	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-M1-00***	***TP-M2-00***	***TP-M3-00***	***TP-M4-00***	***TP-N1-00***
Sample ID:		***S-12609-041300-RSH-564***	***S-12609-041300-RSH-563***	***S-12609-041300-RSH-560***	***S-12609-041300-RSH-562***	***S-12609-041300-RSH-556***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-N2-00***	***TP-N3-00***	***TP-N3-00***	***TP-N4-00***	***TP-N5-00***
Sample ID:		***S-12609-041300-RSH-557***	***S-12609-041300-RSH-558***	***S-12609-041300-RSH-559***	***S-12609-041200-RSH-545***	***S-12609-041200-RSH-544***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	ND (420)	-
Anthracene	ug/Kg	-	-	-	ND (420)	-
Benzo(a)anthracene	ug/Kg	-	-	-	ND (420)	-
Benzo(a)pyrene	ug/Kg	-	-	-	ND (420)	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (420)	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (420)	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (420)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (420)	-
Butyl benzylphthalate	ug/Kg	-	-	-	ND (420)	-
Carbazole	ug/Kg	-	-	-	ND (420)	-
Chrysene	ug/Kg	-	-	-	ND (420)	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (420)	-
Dibenzofuran	ug/Kg	-	-	-	ND (420)	-
Fluoranthene	ug/Kg	-	-	-	ND (420)	-
Fluorene	ug/Kg	-	-	-	ND (420)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (420)	-
Phenanthrene	ug/Kg	-	-	-	ND (420)	-
Pyrene	ug/Kg	-	-	-	ND (420)	-
PCBs						
Aroclor-1248	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1254	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1260	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-N2-00***	***TP-N3-00***	***TP-N3-00***	***TP-N4-00***	***TP-N5-00***
Sample ID:		***S-12609-041300-RSH-557***	***S-12609-041300-RSH-558***	***S-12609-041300-RSH-559***	***S-12609-041200-RSH-545***	***S-12609-041200-RSH-544***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	5630	-
Antimony	mg/Kg	-	-	-	ND (7.6)	-
Arsenic	mg/Kg	-	-	-	3.0	-
Barium	mg/Kg	-	-	-	ND (25.2)	-
Beryllium	mg/Kg	-	-	-	ND (0.63)	-
Cadmium	mg/Kg	-	-	-	ND (0.63)	-
Calcium	mg/Kg	-	-	-	1360	-
Chromium	mg/Kg	-	-	-	7.2	-
Cobalt	mg/Kg	-	-	-	ND (6.3)	-
Copper	mg/Kg	-	-	-	5.3	-
Iron	mg/Kg	-	-	-	7900	-
Lead	mg/Kg	-	-	-	3.9	-
Magnesium	mg/Kg	-	-	-	1220	-
Manganese	mg/Kg	-	-	-	62.9	-
Mercury	mg/Kg	-	-	-	ND (0.13)	-
Nickel	mg/Kg	-	-	-	7.1	-
Potassium	mg/Kg	-	-	-	ND (630)	-
Selenium	mg/Kg	-	-	-	ND (0.63)	-
Silver	mg/Kg	-	-	-	ND (1.3)	-
Sodium	mg/Kg	-	-	-	ND (630)	-
Thallium	mg/Kg	-	-	-	ND (1.3)	-
Vanadium	mg/Kg	-	-	-	12.7	-
Zinc	mg/Kg	-	-	-	18.7 J	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-O1-00***	***TP-O2-00***	***TP-O3-00***	***TP-O4-00***	***TP-O5-00***
Sample ID:		***S-12609-041300-RSH-555***	***S-12609-041300-RSH-554***	***S-12609-041300-RSH-553***	***S-12609-041200-RSH-542***	***S-12609-041200-RSH-543***
Sample Depth;		***(2-3)***	***(2-3)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,1-Dichloroethene	ug/Kg	-	-	-	ND (5.0)	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	ND (20)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	2.0 J	-
Acetone	ug/Kg	-	-	-	ND (20) U	-
Benzene	ug/Kg	-	-	-	ND (5.0)	-
Carbon disulfide	ug/Kg	-	-	-	ND (5.0)	-
Chlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
Ethylbenzene	ug/Kg	-	-	-	ND (5.0)	-
Methylene chloride	ug/Kg	-	-	-	0.64 U	-
Styrene	ug/Kg	-	-	-	ND (5.0)	-
Tetrachloroethene	ug/Kg	-	-	-	ND (5.0)	-
Toluene	ug/Kg	-	-	-	0.44 J	-
Trichloroethene	ug/Kg	-	-	-	ND (5.0)	-
Xylene (total)	ug/Kg	-	-	-	1.4 J	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-O1-00***	***TP-O2-00***	***TP-O3-00***	***TP-O4-00***	***TP-O5-00***
Sample ID:		***S-12609-041300-RSH-555***	***S-12609-041300-RSH-554***	***S-12609-041300-RSH-553***	***S-12609-041200-RSH-542***	***S-12609-041200-RSH-543***
Sample Depth;		***(2-3)***	***(2-3)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P1-00***	***TP-P2-00***	***TP-P3-00***	***TP-P3-00***	***TP-P4-00***
Sample ID:		***S-12609-041300-RSH-549***	***S-12609-041300-RSH-550***	***S-12609-041300-RSH-551***	***S-12609-041300-RSH-552***	***S-12609-041200-RSH-541***
Sample Depth;		***(2-3)***	***(3-4)***	***(0-5)***	***(0-5)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	ND (22)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	2.1 J	-	-	-
Acetone	ug/Kg	-	ND (22) U	-	-	-
Benzene	ug/Kg	-	ND (5.4)	-	-	-
Carbon disulfide	ug/Kg	-	ND (5.4)	-	-	-
Chlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
Ethylbenzene	ug/Kg	-	ND (5.4)	-	-	-
Methylene chloride	ug/Kg	-	0.83 U	-	-	-
Styrene	ug/Kg	-	ND (5.4)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (5.4)	-	-	-
Toluene	ug/Kg	-	0.49 J	-	-	-
Trichloroethene	ug/Kg	-	ND (5.4)	-	-	-
Xylene (total)	ug/Kg	-	1.1 J	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1254	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1260	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P1-00***	***TP-P2-00***	***TP-P3-00***	***TP-P3-00***	***TP-P4-00***
Sample ID:		***S-12609-041300-RSH-549***	***S-12609-041300-RSH-550***	***S-12609-041300-RSH-551***	***S-12609-041300-RSH-552***	***S-12609-041200-RSH-541***
Sample Depth;		***(2-3)***	***(3-4)***	***(0-5)***	***(0-5)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P5-00***	***TP-P6-00***	***TP-Q1-00***	***TP-Q2-00***	***TP-Q3-00***
Sample ID:		***S-12609-041200-RSH-540***	***S-12609-041200-RSH-539***	***S-12609-041200-RSH-527***	***S-12609-041200-RSH-528***	***S-12609-041200-RSH-529***
Sample Depth;		***(0-3)***	***(0-4)***	***(0-5)***	***(2-3)***	***(3-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1254	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1260	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P5-00***	***TP-P6-00***	***TP-Q1-00***	***TP-Q2-00***	***TP-Q3-00***
Sample ID:		***S-12609-041200-RSH-540***	***S-12609-041200-RSH-539***	***S-12609-041200-RSH-527***	***S-12609-041200-RSH-528***	***S-12609-041200-RSH-529***
Sample Depth;		***(0-3)***	***(0-4)***	***(0-5)***	***(2-3)***	***(3-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-Q4-00***	***TP-Q5-00***	***TP-Q6-00***	***TP-Q6-00***	***TP-R1-00***
Sample ID:		***S-12609-041200-RSH-530***	***S-12609-041200-RSH-531***	***S-12609-041200-RSH-532***	***S-12609-041200-RSH-538***	***S-12609-041200-RSH-526***
Sample Depth;		***(3-4)***	***(3-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.3)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (21)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	1.3 J	-	-	-	-
Acetone	ug/Kg	ND (21) U	-	-	-	-
Benzene	ug/Kg	ND (5.3)	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.3)	-	-	-	-
Chlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.3)	-	-	-	-
Methylene chloride	ug/Kg	0.43 U	-	-	-	-
Styrene	ug/Kg	ND (5.3)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.3)	-	-	-	-
Toluene	ug/Kg	0.35 J	-	-	-	-
Trichloroethene	ug/Kg	ND (5.3)	-	-	-	-
Xylene (total)	ug/Kg	0.85 J	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1254	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1260	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-Q4-00***	***TP-Q5-00***	***TP-Q6-00***	***TP-Q6-00***	***TP-R1-00***
Sample ID:		***S-12609-041200-RSH-530***	***S-12609-041200-RSH-531***	***S-12609-041200-RSH-532***	***S-12609-041200-RSH-538***	***S-12609-041200-RSH-526***
Sample Depth;		***(3-4)***	***(3-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-R2-00***	***TP-R3-00***	***TP-R3-00***	***TP-R4-00***	***TP-R6-00***
Sample ID:		***S-12609-041200-RSH-525***	***S-12609-041200-RSH-523***	***S-12609-041200-RSH-524***	***S-12609-041200-RSH-522***	***S-12609-041200-RSH-533***
Sample Depth;		***(0-3)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	ND (21)	ND (22)	-	-
4-Methyl-2-pentanone	ug/Kg	-	2.1 J	1.1 J	-	-
Acetone	ug/Kg	-	ND (21) U	ND (22) U	-	-
Benzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Carbon disulfide	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Chlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Ethylbenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Methylene chloride	ug/Kg	-	0.74 U	0.56 U	-	-
Styrene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Tetrachloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Toluene	ug/Kg	-	0.42 J	0.34 J	-	-
Trichloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Xylene (total)	ug/Kg	-	1.6 J	1.1 J	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1254	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-R2-00***	***TP-R3-00***	***TP-R3-00***	***TP-R4-00***	***TP-R6-00***
Sample ID:		***S-12609-041200-RSH-525***	***S-12609-041200-RSH-523***	***S-12609-041200-RSH-524***	***S-12609-041200-RSH-522***	***S-12609-041200-RSH-533***
Sample Depth;		***(0-3)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***S-1***	***TP-S1-00***	***S-2***	***TP-S2-00***	***S-3***
Sample ID:		***S-10236-030698-FCE-029***	***S-12609-041100-RSH-515***	***S-10236-030698-FCE-030***	***S-12609-041100-RSH-514***	***S-10236-030698-FCE-031***
Sample Depth;		***(0-0.5)***	***(1-2)***	***(0-0.5)***	***(0-3)***	***(0-0.5)***
Sample Date:		***3/6/1998***	***4/11/2000***	***3/6/1998***	***4/11/2000***	***3/6/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,1-Dichloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Acetone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Benzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Carbon disulfide	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Chlorobenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Ethylbenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Methylene chloride	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Styrene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Tetrachloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Toluene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Trichloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Xylene (total)	ug/Kg	ND (30)	-	ND (30)	-	ND (30)
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	630	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	63	ND (330)	ND (40)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***S-1***	***TP-S1-00***	***S-2***	***TP-S2-00***	***S-3***
Sample ID:		***S-10236-030698-FCE-029***	***S-12609-041100-RSH-515***	***S-10236-030698-FCE-030***	***S-12609-041100-RSH-514***	***S-10236-030698-FCE-031***
Sample Depth;		***(0-0.5)***	***(1-2)***	***(0-0.5)***	***(0-3)***	***(0-0.5)***
Sample Date:		***3/6/1998***	***4/11/2000***	***3/6/1998***	***4/11/2000***	***3/6/1998***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	7800 J	-	9800	-	7000
Antimony	mg/Kg	0.820 J	-	ND (0.5) UJ	-	ND (0.5) UJ
Arsenic	mg/Kg	2.8 J	-	2	-	3.3
Barium	mg/Kg	56	-	61	-	120
Beryllium	mg/Kg	0.48	-	ND (0.29)	-	0.4
Cadmium	mg/Kg	0.83	-	0.69	-	0.6
Calcium	mg/Kg	30000	-	8100	-	20000
Chromium	mg/Kg	61	-	26	-	11
Cobalt	mg/Kg	5.1	-	2.1	-	6
Copper	mg/Kg	130	-	200	-	15
Iron	mg/Kg	20000	-	8600	-	20000
Lead	mg/Kg	41 J	-	39 J	-	37 J
Magnesium	mg/Kg	10000	-	2500	-	10000
Manganese	mg/Kg	330	-	140	-	1300
Mercury	mg/Kg	ND (0.1)	-	ND (0.1)	-	ND (0.1)
Nickel	mg/Kg	27	-	22	-	19
Potassium	mg/Kg	880	-	560	-	950
Selenium	mg/Kg	ND (0.5) UJ	-	0.67 J	-	ND (0.5) UJ
Silver	mg/Kg	R	-	ND (0.5) UJ	-	ND (0.5) UJ
Sodium	mg/Kg	68	-	55	-	69
Thallium	mg/Kg	ND (0.5)	-	ND (0.5)	-	ND (0.5)
Vanadium	mg/Kg	14	-	14	-	22
Zinc	mg/Kg	180	-	240	-	80
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	-	0.25	-	ND (0.2)
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***S-3***	***TP-S3-00***	***TP-S4-00***	***TP-S5-00***	***TP-S6-00***
Sample ID:		***S-10236-030698-FCE-032***	***S-12609-041200-RSH-520***	***S-12609-041200-RSH-521***	***S-12609-041200-RSH-534***	***S-12609-041200-RSH-535***
Sample Depth;		***(0-0.5)***	***(0-4)***	***(0-4)***	***(2-3)***	***(0-5)***
Sample Date:		***3/6/1998***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
		Duplicate				
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (100)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	-	-	-
Acetone	ug/Kg	ND (100)	-	-	-	-
Benzene	ug/Kg	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (100)	-	-	-	-
Chlorobenzene	ug/Kg	ND (10)	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	-	-	-	-
Styrene	ug/Kg	ND (10)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	-	-	-	-
Toluene	ug/Kg	ND (10)	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (30)	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1254	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1260	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***S-3***	***TP-S3-00***	***TP-S4-00***	***TP-S5-00***	***TP-S6-00***
Sample ID:		***S-10236-030698-FCE-032***	***S-12609-041200-RSH-520***	***S-12609-041200-RSH-521***	***S-12609-041200-RSH-534***	***S-12609-041200-RSH-535***
Sample Depth;		***(0-0.5)***	***(0-4)***	***(0-4)***	***(2-3)***	***(0-5)***
Sample Date:		***3/6/1998***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
		Duplicate				
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	7500	-	-	-	-
Antimony	mg/Kg	ND (0.5) UJ	-	-	-	-
Arsenic	mg/Kg	2.8	-	-	-	-
Barium	mg/Kg	64	-	-	-	-
Beryllium	mg/Kg	0.37	-	-	-	-
Cadmium	mg/Kg	0.6	-	-	-	-
Calcium	mg/Kg	30000	-	-	-	-
Chromium	mg/Kg	12	-	-	-	-
Cobalt	mg/Kg	5.3	-	-	-	-
Copper	mg/Kg	17	-	-	-	-
Iron	mg/Kg	10000	-	-	-	-
Lead	mg/Kg	37 J	-	-	-	-
Magnesium	mg/Kg	10000	-	-	-	-
Manganese	mg/Kg	450	-	-	-	-
Mercury	mg/Kg	ND (0.1)	-	-	-	-
Nickel	mg/Kg	14	-	-	-	-
Potassium	mg/Kg	1200	-	-	-	-
Selenium	mg/Kg	ND (0.5) UJ	-	-	-	-
Silver	mg/Kg	ND (0.5) UJ	-	-	-	-
Sodium	mg/Kg	80	-	-	-	-
Thallium	mg/Kg	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	20	-	-	-	-
Zinc	mg/Kg	80	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-S6-00***	***TP-S7-00***	***TP-T1-00***	***TP-T2-00***	***TP-T3-00***
Sample ID:		***S-12609-041200-RSH-536***	***S-12609-041200-RSH-537***	***S-12609-041100-RSH-510***	***S-12609-041100-RSH-511***	***S-12609-041100-RSH-503***
Sample Depth;		***(0-5)***	***(0-3)***	***(0-3)***	***(0-3)***	***(0-5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	110	ND (39)	ND (38)
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-S6-00***	***TP-S7-00***	***TP-T1-00***	***TP-T2-00***	***TP-T3-00***
Sample ID:		***S-12609-041200-RSH-536***	***S-12609-041200-RSH-537***	***S-12609-041100-RSH-510***	***S-12609-041100-RSH-511***	***S-12609-041100-RSH-503***
Sample Depth;		***(0-5)***	***(0-3)***	***(0-3)***	***(0-3)***	***(0-5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-T3-00***	***TP-T4-00***	***TP-T5-00***	***TP-T6-00***	***TP-1-99***
Sample ID:		***S-12609-041100-RSH-512***	***S-12609-041100-RSH-513***	***S-12609-041100-RSH-505***	***S-12609-041100-RSH-504***	***S-12609-121599-DN-01***
Sample Depth;		***(0-5)***	***(0-5)***	***(0-4)***	***(0-5)***	***(4-6)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***12/15/1999***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethene	ug/Kg	-	-	-	-	1.6 J
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	ND (4.8)
2-Butanone	ug/Kg	-	-	-	-	ND (19) U
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	0.57 J
Acetone	ug/Kg	-	-	-	-	61
Benzene	ug/Kg	-	-	-	-	ND (4.8)
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.8)
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.8)
Methylene chloride	ug/Kg	-	-	-	-	ND (4.8) U
Styrene	ug/Kg	-	-	-	-	ND (4.8) U
Tetrachloroethene	ug/Kg	-	-	-	-	ND (4.8)
Toluene	ug/Kg	-	-	-	-	ND (4.8) U
Trichloroethene	ug/Kg	-	-	-	-	ND (4.8)
Xylene (total)	ug/Kg	-	-	-	-	ND (9.7)
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	ND (380)
Anthracene	ug/Kg	-	-	-	-	48 J
Benzo(a)anthracene	ug/Kg	-	-	-	-	150 J
Benzo(a)pyrene	ug/Kg	-	-	-	-	140 J
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	200 J
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	110 J
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	79 J
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	ND (380)
Butyl benzylphthalate	ug/Kg	-	-	-	-	ND (380)
Carbazole	ug/Kg	-	-	-	-	ND (380)
Chrysene	ug/Kg	-	-	-	-	150 J
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	ND (380)
Dibenzofuran	ug/Kg	-	-	-	-	ND (380)
Fluoranthene	ug/Kg	-	-	-	-	370 J
Fluorene	ug/Kg	-	-	-	-	ND (380)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	100 J
Phenanthrene	ug/Kg	-	-	-	-	220 J
Pyrene	ug/Kg	-	-	-	-	280 J
PCBs						
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-T3-00***	***TP-T4-00***	***TP-T5-00***	***TP-T6-00***	***TP-1-99***
Sample ID:		***S-12609-041100-RSH-512***	***S-12609-041100-RSH-513***	***S-12609-041100-RSH-505***	***S-12609-041100-RSH-504***	***S-12609-121599-DN-01***
Sample Depth;		***(0-5)***	***(0-5)***	***(0-4)***	***(0-5)***	***(4-6)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***12/15/1999***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	-	-	4750
Antimony	mg/Kg	-	-	-	-	ND (6.9) UJ
Arsenic	mg/Kg	-	-	-	-	3.0
Barium	mg/Kg	-	-	-	-	30.9
Beryllium	mg/Kg	-	-	-	-	ND (0.57)
Cadmium	mg/Kg	-	-	-	-	ND (0.57)
Calcium	mg/Kg	-	-	-	-	12400 J
Chromium	mg/Kg	-	-	-	-	7.2
Cobalt	mg/Kg	-	-	-	-	ND (5.7)
Copper	mg/Kg	-	-	-	-	6.9
Iron	mg/Kg	-	-	-	-	7100
Lead	mg/Kg	-	-	-	-	8.1
Magnesium	mg/Kg	-	-	-	-	6080
Manganese	mg/Kg	-	-	-	-	115 J
Mercury	mg/Kg	-	-	-	-	ND (0.11)
Nickel	mg/Kg	-	-	-	-	8.1
Potassium	mg/Kg	-	-	-	-	ND (575)
Selenium	mg/Kg	-	-	-	-	ND (0.57)
Silver	mg/Kg	-	-	-	-	ND (1.1)
Sodium	mg/Kg	-	-	-	-	ND (575)
Thallium	mg/Kg	-	-	-	-	ND (1.1)
Vanadium	mg/Kg	-	-	-	-	11.0
Zinc	mg/Kg	-	-	-	-	26.4
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	57

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-1-99***	***TP-2-99***	***TP-4-99***	***TP-4A-98***	***TP-8A-99***
Sample ID:		***S-12609-121599-DN-02***	***S-12609-121599-DN-03***	***S-12609-100699-DEN-01***	***S-10236-010898-FCE-005***	***S-12609-100699-DEN-02***
Sample Depth;		***(8-10)***	***(6-8)***	***(0-2)***	***(0-1.5)***	***(0-1.5)***
Sample Date:		***12/15/1999***	***12/15/1999***	***10/6/1999***	***1/8/1998***	***10/6/1999***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	1.4 J	ND (5.0)	ND (10)	ND (5.1)
1,1-Dichloroethene	ug/Kg	5.5	5.0	ND (5.0)	ND (10)	ND (5.1)
1,2-Dichloroethene (total)	ug/Kg	ND (4.7)	22	ND (5.0)	-	ND (5.1)
2-Butanone	ug/Kg	ND (19) U	ND (19) U	ND (20)	ND (100)	ND (20)
4-Methyl-2-pentanone	ug/Kg	0.60 J	ND (19)	ND (20)	ND (100)	ND (20)
Acetone	ug/Kg	ND (37) U	ND (19) U	16 J	ND (100)	43
Benzene	ug/Kg	ND (4.7)	ND (4.7)	2.1 J	ND (10)	0.85 J
Carbon disulfide	ug/Kg	ND (4.7)	ND (4.7)	3.0 J	ND (100)	0.84 J
Chlorobenzene	ug/Kg	ND (4.7)	1.6 J	ND (5.0)	ND (10)	ND (5.1)
Ethylbenzene	ug/Kg	0.36 J	55	1.8 J	ND (10)	0.53 J
Methylene chloride	ug/Kg	ND (4.7) U	2.8 J	ND (5.0) U	ND (10)	ND (5.1) U
Styrene	ug/Kg	ND (4.7) U	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Tetrachloroethene	ug/Kg	ND (4.7)	150	ND (5.0)	ND (10)	ND (5.1)
Toluene	ug/Kg	ND (4.7) U	110 B	6.3	ND (10)	2.2 J
Trichloroethene	ug/Kg	ND (4.7)	33	0.86 J	ND (10)	1.0 J
Xylene (total)	ug/Kg	1.1 J	280	4.5 J	ND (30)	ND (10)
Semi - Volatiles						
Acenaphthene	ug/Kg	61 J	ND (380)	ND (380)	ND (450)	ND (380)
Anthracene	ug/Kg	110 J	ND (380)	ND (380)	ND (450)	ND (380)
Benzo(a)anthracene	ug/Kg	300 J	68 J	ND (380)	ND (450)	ND (380)
Benzo(a)pyrene	ug/Kg	280 J	64 J	ND (380)	ND (450)	ND (380)
Benzo(b)fluoranthene	ug/Kg	380	99 J	42 J	ND (450)	ND (380)
Benzo(g,h,i)perylene	ug/Kg	190 J	49 J	ND (380)	ND (450)	ND (380)
Benzo(k)fluoranthene	ug/Kg	130 J	ND (380)	ND (380)	ND (450)	ND (380)
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Butyl benzylphthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Carbazole	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Chrysene	ug/Kg	290 J	77 J	39 J	ND (450)	ND (380)
Dibenz(a,h)anthracene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
Dibenzofuran	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Fluoranthene	ug/Kg	780	180 J	47 J	ND (450)	ND (380)
Fluorene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
Indeno(1,2,3-cd)pyrene	ug/Kg	210 J	ND (380)	ND (380)	ND (450)	ND (380)
Phenanthrene	ug/Kg	340 J	88 J	ND (380)	ND (450)	ND (380)
Pyrene	ug/Kg	530	140 J	43 J	ND (450)	ND (380)
PCBs						
Aroclor-1248	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1254	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1260	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Total PCBs	ug/Kg	-	-	-	ND (330)	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-1-99***	***TP-2-99***	***TP-4-99***	***TP-4A-98***	***TP-8A-99***
Sample ID:		***S-12609-121599-DN-02***	***S-12609-121599-DN-03***	***S-12609-100699-DEN-01***	***S-10236-010898-FCE-005***	***S-12609-100699-DEN-02***
Sample Depth;		***(8-10)***	***(6-8)***	***(0-2)***	***(0-1.5)***	***(0-1.5)***
Sample Date:		***12/15/1999***	***12/15/1999***	***10/6/1999***	***1/8/1998***	***10/6/1999***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	4900	8200	-	2200 J	-
Antimony	mg/Kg	ND (6.8) UJ	ND (6.8) UJ	-	ND (0.5) UJ	-
Arsenic	mg/Kg	3.9	5.6	-	1.1 J	-
Barium	mg/Kg	39.5	87.6	-	15 J	-
Beryllium	mg/Kg	ND (0.56)	ND (0.57)	-	ND (0.23)	-
Cadmium	mg/Kg	ND (0.56)	ND (0.57)	-	0.37	-
Calcium	mg/Kg	66900 J	52300 J	-	3800 J	-
Chromium	mg/Kg	9.1 J	13.8	-	3	-
Cobalt	mg/Kg	ND (5.6)	7.3	-	1.4	-
Copper	mg/Kg	8.2 J	16.1	-	2.1	-
Iron	mg/Kg	8710	16300	-	3400	-
Lead	mg/Kg	7.1	9.3	-	2.6 J	-
Magnesium	mg/Kg	33100	20600	-	1100 J	-
Manganese	mg/Kg	301 J	376 J	-	51	-
Mercury	mg/Kg	ND (0.11)	ND (0.11)	-	ND (0.1)	-
Nickel	mg/Kg	13.0 J	19.3	-	3.1	-
Potassium	mg/Kg	778	1930	-	220 J	-
Selenium	mg/Kg	ND (0.56)	ND (0.57)	-	ND (0.5) UJ	-
Silver	mg/Kg	ND (1.1)	ND (1.1)	-	ND (0.5) UJ	-
Sodium	mg/Kg	ND (563)	ND (570)	-	27 J	-
Thallium	mg/Kg	ND (1.1)	ND (1.1)	-	ND (0.5)	-
Vanadium	mg/Kg	12.4	21.5	-	6.1 J	-
Zinc	mg/Kg	33.4 J	46.7	-	27	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	160	430	ND (12)	-	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-10/10A-99*	*TP-14-99*	*TP-J1A-00*	*TP-J1A-00*	*TP-J1A-00*
Sample ID:		*S-12609-100699-DEN-03*	*S-12609-100699-DEN-05*	*S-12609-060700-DEN-102*	*S-12609-060700-DEN-103*	*S-12609-060700-DEN-104*
Sample Depth;		*(1-2)*	*(0-2)*	*(2-3)*	*(2-3)*	*(4-5)*
Sample Date:		*10/6/1999*	*10/6/1999*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
2-Butanone	ug/Kg	8.6 J	ND (20)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (19)	ND (20)	-	-	-
Acetone	ug/Kg	64	62	-	-	-
Benzene	ug/Kg	ND (4.7)	0.95 J	-	-	-
Carbon disulfide	ug/Kg	ND (4.7)	2.4 J	-	-	-
Chlorobenzene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Ethylbenzene	ug/Kg	ND (4.7)	0.59 J	-	-	-
Methylene chloride	ug/Kg	ND (4.7) U	2.5 J	-	-	-
Styrene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Tetrachloroethene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Toluene	ug/Kg	1.3 J	2.9 J	-	-	-
Trichloroethene	ug/Kg	1.0 J	0.95 J	-	-	-
Xylene (total)	ug/Kg	ND (9.4)	1.0 J	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	ND (360)	ND (370)	-	-	-
Anthracene	ug/Kg	ND (360)	ND (370)	-	-	-
Benzo(a)anthracene	ug/Kg	ND (360)	130 J	-	-	-
Benzo(a)pyrene	ug/Kg	ND (360)	140 J	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (360)	190 J	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (360)	100 J	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (360)	79 J	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (360)	ND (370)	-	-	-
Butyl benzylphthalate	ug/Kg	-	ND (370)	-	-	-
Carbazole	ug/Kg	ND (360)	ND (370)	-	-	-
Chrysene	ug/Kg	ND (360)	160 J	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (360)	ND (370)	-	-	-
Dibenzofuran	ug/Kg	ND (360)	ND (370)	-	-	-
Fluoranthene	ug/Kg	ND (360)	290 J	-	-	-
Fluorene	ug/Kg	ND (360)	ND (370)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (360)	100 J	-	-	-
Phenanthrene	ug/Kg	ND (360)	98 J	-	-	-
Pyrene	ug/Kg	ND (360)	240 J	-	-	-
PCBs						
Aroclor-1248	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1254	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1260	ug/Kg	ND (36)	ND (37)	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-10/10A-99***	***TP-14-99***	***TP-J1A-00***	***TP-J1A-00***	***TP-J1A-00***
Sample ID:		***S-12609-100699-DEN-03***	***S-12609-100699-DEN-05***	***S-12609-060700-DEN-102***	***S-12609-060700-DEN-103***	***S-12609-060700-DEN-104***
Sample Depth;		***(1-2)***	***(0-2)***	***(2-3)***	***(2-3)***	***(4-5)***
Sample Date:		***10/6/1999***	***10/6/1999***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	-	-	226000	206000	13700
Antimony	mg/Kg	-	-	ND (48.5) UJ	ND (18.6) UJ	ND (7.6) UJ
Arsenic	mg/Kg	-	-	ND (8.1)	3.7	8.8
Barium	mg/Kg	-	-	ND (32.4)	ND (62.0)	118
Beryllium	mg/Kg	-	-	2.0	ND (1.5)	ND (0.64)
Cadmium	mg/Kg	-	-	4.4	16.7	ND (0.64)
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	13300	203	22.7
Cobalt	mg/Kg	-	-	12.2	ND (15.5)	11.2
Copper	mg/Kg	-	-	4560	7950	25.6
Iron	mg/Kg	-	-	41300	10000	23000
Lead	mg/Kg	-	-	149	360	11.1
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	15800	503	1220
Mercury	mg/Kg	-	-	ND (0.16)	ND (0.31)	ND (0.13)
Nickel	mg/Kg	-	-	146	189	32.9 J
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	5.6	ND (3.1)	ND (0.64)
Silver	mg/Kg	-	-	ND (8.1)	9.0	ND (1.3)
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	11.1	ND (6.2)	1.8
Vanadium	mg/Kg	-	-	470	39.5	29.3
Zinc	mg/Kg	-	-	4390	6820	57.0 J
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	ND (11)	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1B-00***	***TP-J1C-00***	***TP-J1D-00***	***TP-J1E-00***	***TP-J1E-00***
Sample ID:		***S-12609-060700-DEN-106***	***S-12609-060700-DEN-107***	***S-12609-060700-DEN-108***	***S-12609-060700-DEN-109***	***S-12609-060700-DEN-110***
Sample Depth;		***(2-5)***	***(1-5)***	***(1-4)***	***(1-4)***	***(1-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-J1B-00***	***TP-J1C-00***	***TP-J1D-00***	***TP-J1E-00***	***TP-J1E-00***
Sample ID:		***S-12609-060700-DEN-106***	***S-12609-060700-DEN-107***	***S-12609-060700-DEN-108***	***S-12609-060700-DEN-109***	***S-12609-060700-DEN-110***
Sample Depth;		***(2-5)***	***(1-5)***	***(1-4)***	***(1-4)***	***(1-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	6400	15200	12400	6340	10900
Antimony	mg/Kg	ND (7.0) UJ	ND (7.8) UJ	ND (7.3) UJ	ND (7.3) UJ	ND (7.4) UJ
Arsenic	mg/Kg	3.4	7.5	7.4	7.5	5.3
Barium	mg/Kg	44.0	99.3	61.8	41.6	71.7
Beryllium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Cadmium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	10.1	24.1	17.5	10.8	16.5
Cobalt	mg/Kg	ND (5.9)	11.5	9.3	ND (6.1)	ND (6.2)
Copper	mg/Kg	9.3	23.8	19.0	12.5	7.3
Iron	mg/Kg	10300	23900	22100	13400	18800
Lead	mg/Kg	7.7	11.5	12.9	6.7	7.8
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	164	387	373	262	164
Mercury	mg/Kg	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.12)
Nickel	mg/Kg	11.1	27.5	17.5	13.7	13.2
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Silver	mg/Kg	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	ND (1.2)	1.7	1.3	1.6	ND (1.2)
Vanadium	mg/Kg	14.6	30.6	26.3	18.6	24.9
Zinc	mg/Kg	33.6	60.9	43.1	31.3	53.5
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1F-00***	***TP-J1F-00***	***TP-U2-00***	***TP-U3-00***	***TP-U4-00***
Sample ID:		***S-12609-060700-DEN-111***	***S-12609-060700-DEN-112***	***S-12609-041100-RSH-509***	***S-12609-041100-RSH-508***	***S-12609-041100-RSH-507***
Sample Depth;		***(2.5-4)***	***(4-5)***	***(0-5)***	***(0-4)***	***(0-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,1-Dichloroethene	ug/Kg	-	-	ND (5.8)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	ND (23)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (23)	-	-
Acetone	ug/Kg	-	-	ND (23) U	-	-
Benzene	ug/Kg	-	-	ND (5.8)	-	-
Carbon disulfide	ug/Kg	-	-	ND (5.8)	-	-
Chlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
Ethylbenzene	ug/Kg	-	-	ND (5.8)	-	-
Methylene chloride	ug/Kg	-	-	0.62 U	-	-
Styrene	ug/Kg	-	-	ND (5.8)	-	-
Tetrachloroethene	ug/Kg	-	-	ND (5.8)	-	-
Toluene	ug/Kg	-	-	0.47 J	-	-
Trichloroethene	ug/Kg	-	-	ND (5.8)	-	-
Xylene (total)	ug/Kg	-	-	1.2 J	-	-
Semi - Volatiles						
Acenaphthene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1248	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1254	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1260	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS

AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***TP-J1F-00***	***TP-J1F-00***	***TP-U2-00***	***TP-U3-00***	***TP-U4-00***
Sample ID:		***S-12609-060700-DEN-111***	***S-12609-060700-DEN-112***	***S-12609-041100-RSH-509***	***S-12609-041100-RSH-508***	***S-12609-041100-RSH-507***
Sample Depth;		***(2.5-4)***	***(4-5)***	***(0-5)***	***(0-4)***	***(0-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	270000	2570	-	-	-
Antimony	mg/Kg	ND (38.7) UJ	ND (7.0) UJ	-	-	-
Arsenic	mg/Kg	ND (6.4)	2.0	-	-	-
Barium	mg/Kg	ND (25.8)	ND (23.2)	-	-	-
Beryllium	mg/Kg	4.0	ND (0.58)	-	-	-
Cadmium	mg/Kg	2.1	ND (0.58)	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	18100	9.0	-	-	-
Cobalt	mg/Kg	14.6	ND (5.8)	-	-	-
Copper	mg/Kg	4360	3.4	-	-	-
Iron	mg/Kg	64000	4860	-	-	-
Lead	mg/Kg	96.6	1.9	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	25800	46.6	-	-	-
Mercury	mg/Kg	ND (0.13)	ND (0.12)	-	-	-
Nickel	mg/Kg	138	ND (4.6)	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	4.7	ND (0.58)	-	-	-
Silver	mg/Kg	ND (6.4)	ND (1.2)	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	45.1	ND (1.2)	-	-	-
Vanadium	mg/Kg	835	7.4	-	-	-
Zinc	mg/Kg	3770	10.9	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-U5-00***	***TP-U6-00***	***TP-U6-00***	***TP-U7-00***
Sample ID:		***S-12609-041100-RSH-506***	***S-12609-041100-RSH-502***	***S-12609-041100-RSH-500***	***S-12609-041100-RSH-501***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-5)***	***(0-5)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (5.2)
1,1-Dichloroethene	ug/Kg	-	-	-	ND (5.2)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-
2-Butanone	ug/Kg	-	-	-	ND (21)
4-Methyl-2-pentanone	ug/Kg	-	-	-	ND (21)
Acetone	ug/Kg	-	-	-	ND (21) U
Benzene	ug/Kg	-	-	-	ND (5.2)
Carbon disulfide	ug/Kg	-	-	-	ND (5.2)
Chlorobenzene	ug/Kg	-	-	-	ND (5.2)
Ethylbenzene	ug/Kg	-	-	-	ND (5.2)
Methylene chloride	ug/Kg	-	-	-	0.65 U
Styrene	ug/Kg	-	-	-	ND (5.2)
Tetrachloroethene	ug/Kg	-	-	-	ND (5.2)
Toluene	ug/Kg	-	-	-	0.35 J
Trichloroethene	ug/Kg	-	-	-	ND (5.2)
Xylene (total)	ug/Kg	-	-	-	1.1 J
Semi - Volatiles					
Acenaphthene	ug/Kg	-	-	-	-
Anthracene	ug/Kg	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-
Carbazole	ug/Kg	-	-	-	-
Chrysene	ug/Kg	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-
Fluorene	ug/Kg	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-
Pyrene	ug/Kg	-	-	-	-
PCBs					
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Total PCBs	ug/Kg	-	-	-	-

TABLE 3.7.2

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-U5-00***	***TP-U6-00***	***TP-U6-00***	***TP-U7-00***
Sample ID:		***S-12609-041100-RSH-506***	***S-12609-041100-RSH-502***	***S-12609-041100-RSH-500***	***S-12609-041100-RSH-501***
Sample Depth;		***(0-4)***	***(0-4)***	***(0-5)***	***(0-5)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***				
Metals					
Aluminum	mg/Kg	-	-	-	-
Antimony	mg/Kg	-	-	-	-
Arsenic	mg/Kg	-	-	-	-
Barium	mg/Kg	-	-	-	-
Beryllium	mg/Kg	-	-	-	-
Cadmium	mg/Kg	-	-	-	-
Calcium	mg/Kg	-	-	-	-
Chromium	mg/Kg	-	-	-	-
Cobalt	mg/Kg	-	-	-	-
Copper	mg/Kg	-	-	-	-
Iron	mg/Kg	-	-	-	-
Lead	mg/Kg	-	-	-	-
Magnesium	mg/Kg	-	-	-	-
Manganese	mg/Kg	-	-	-	-
Mercury	mg/Kg	-	-	-	-
Nickel	mg/Kg	-	-	-	-
Potassium	mg/Kg	-	-	-	-
Selenium	mg/Kg	-	-	-	-
Silver	mg/Kg	-	-	-	-
Sodium	mg/Kg	-	-	-	-
Thallium	mg/Kg	-	-	-	-
Vanadium	mg/Kg	-	-	-	-
Zinc	mg/Kg	-	-	-	-
General Chemistry					
Cyanide (total)	mg/Kg	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE 3.8.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
SOUTHWEST AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	BH239-00	0 - 2	x				
		2 - 4	x				
		6 - 8[(1)]	x				
	BH240-00	0 - 2	x				
		2 - 4	x				
		6 - 8	x				
	BH241-00	0 - 2	x				
		2 - 4	x				
		6 - 8	x				
	BH242-00	-	x				
		0 - 2	x				
		2 - 4	x				
		6 - 8	x				

Notes:
[(1)] Duplicate samples were taken

TABLE 3.8.2

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHWEST AREA
SOIL SAMPLES
TOLEDO, OHIO

		BH239-00	*BH239-00*	*BH239-00*	*BH239-00*	*BH240-00*	*BH240-00*
Sample ID:		***S-12609-060600-DEN-70***	***S-12609-060600-DEN-71***	***S-12609-060600-DEN-72***	***S-12609-060600-DEN-73***	***S-12609-060600-DEN-74***	***S-12609-060600-DEN-75***
Sample Depth:		***(0-2)***	***(2-4)***	***(6-8)***	***(6-8)***	***(0-2)***	***(2-4)***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***						
PCBs							
Aroclor-1248	ug/Kg	3200	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)
Aroclor-1254	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)

TABLE 3.8.2

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHWEST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH240-00***	***BH241-00***	***BH241-00***	***BH241-00***	***BH242-00***	***BH242-00***
Sample ID:		***S-12609-060600-DEN-76***	***S-12609-060600-DEN-81***	***S-12609-060600-DEN-82***	***S-12609-060600-DEN-83***	***S-12609-060600-DEN-77***	***S-12609-060600-DEN-78***
Sample Depth:		***(6-8)***	***(0-2)***	***(2-4)***	***(6-8)***		***(0-2)***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***						
PCBs							
Aroclor-1248	ug/Kg	ND (40)	ND (37)	ND (38)	ND (42)	ND (5.5)	ND (40)
Aroclor-1254	ug/Kg	ND (40)	ND (37)	ND (38)	ND (42)	ND (24)	49

TABLE 3.8.2

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHWEST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH242-00***	***BH242-00***
Sample ID:		***S-12609-060600-DEN-79***	***S-12609-060600-DEN-80***
Sample Depth:		***(2-4)***	***(6-8)***
Sample Date:		***6/6/2000***	***6/6/2000***
Parameter	***Unit***		
PCBs			
Aroclor-1248	ug/Kg	ND (40)	ND (40)
Aroclor-1254	ug/Kg	ND (40)	ND (40)

TABLE 3.9.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
SILVER CREEK AND TRIBUTARY DITCHES
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Sediment							
	SED10-98	--	x	x	x		x
	SED11-98	--	x	x	x		x
	SED12-98	--	x	x	x		x
	SED14-00	--	x				
	SED15-00	--	x				
	SED16-00	--	x				
	SED1-98	--	x	x	x		x
	SED2-98	--	x	x	x		x
	SED3-98	--	x	x	x		x
	SED4-98	--	x	x	x		x
	SED5-98	--	x	x	x		x
	SED6-98	--	x	x	x		x
	SED7-98	--	x	x	x		x
	SED8-98	--(1)	x	x	x		x
Surface Water							
	SW1-00	--	x				
	SW2-00	--(1)	x				
	SW3-00	--	x				
	SW1-98	--	x	x	x		x
	SW2-98	--	x	x	x		x
	SW3-98	--	x	x	x		x
	SW4-98	--	x	x	x		x
	SW4-99	--(1)		x			x
	SW5-98	--(1)	x	x	x		x
	SW5-99	--(1)		x			x
	SW6-98	--	x	x	x		x
	SW6-99	--		x			x
	SW7-98	--	x	x	x		x
	SW8-98	--	x	x	x		x
	SW9-98	--	x	x	x		x
	SW10-98	--	x	x	x		x

Notes:
(1) Duplicate samples were taken

TABLE 3.9.2

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-1-98***	***SED-2-98***	***SED-3-98***	***SED-4-98***	***SED-5-98***
Sample ID:		***SD-10236-030598-MP-010***	***SD-10236-030498-MP-008***	***SD-10236-030498-MP-003***	***SD-10236-030498-MP-002***	***SD-10236-030598-MP-013***
Sample Depth:						
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/4/1998***	***3/5/1998***
Parameter	***Unit***					
Volatiles						
Acetone	ug/Kg	130	ND (100)	ND (100)	ND (100)	2600
Methylene chloride	ug/Kg	13 U	ND (10)	ND (10)	ND (10)	ND (40)
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	8900 J	8000	3500	4400	6000 J
Arsenic	mg/Kg	3.3 J	7.9	3.7	4.3	3 J
Barium	mg/Kg	75	77	46	53	66
Beryllium	mg/Kg	0.37	ND (0.26)	ND (0.32)	ND (0.2)	ND (0.34)
Cadmium	mg/Kg	0.61	0.33	0.48	0.32	0.49
Calcium	mg/Kg	8800	30000	6200	20000	20000
Chromium	mg/Kg	18	15	8.1	8.6	13
Cobalt	mg/Kg	6.1	7.5	4.1	4.6	4
Copper	mg/Kg	16	22	8.6	13	16
Iron	mg/Kg	20000	20000	8200	10000	10000
Lead	mg/Kg	21 J	21 J	18 J	18 J	33 J
Magnesium	mg/Kg	4300	10000	2800	7200	10000
Manganese	mg/Kg	490	380	560	620	310
Nickel	mg/Kg	28	21	9	15	11
Potassium	mg/Kg	1000	1300	380	430	720
Sodium	mg/Kg	170	79	45	71	89
Vanadium	mg/Kg	26	20	11	14	17
Zinc	mg/Kg	110	82	46	85	89
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.31

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.2

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-6-98***	***SED-7-98***	***SED-8-98***	***SED-8-98***	***SED-10-98***
Sample ID:		***SD-10236-030598-MP-011***	***SD-10236-030498-MP-001***	***SD-10236-030498-MP-004***	***SD-10236-030498-MP-005***	***SD-10236-030498-MP-006***
Sample Depth:						
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/4/1998 Duplicate***	***3/4/1998***
Parameter	***Unit***					
Volatiles						
Acetone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Methylene chloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
PCBs						
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	730 J	710	2100	2000	690
Arsenic	mg/Kg	1.2 J	1.9	2.4	2.6	2.6
Barium	mg/Kg	21	9	23	21	13
Beryllium	mg/Kg	ND (0.27)	ND (0.2)	ND (0.29)	0.34	4.5
Cadmium	mg/Kg	0.37	0.37	0.18	0.25	0.26
Calcium	mg/Kg	10000	7500	6500	5400	7500
Chromium	mg/Kg	9.2	3.3	5.6	5.8	3.4
Cobalt	mg/Kg	4.9	2.6	2.2	4.3	2.3
Copper	mg/Kg	8.4	3.3	5.9	5.3	5.6
Iron	mg/Kg	4800	2300	6500	5900	2900
Lead	mg/Kg	17 J	41 J	8.7 J	8.3 J	16 J
Magnesium	mg/Kg	5200	3200	3000	2700	3000
Manganese	mg/Kg	180	75	120	100	94
Nickel	mg/Kg	5.7	5.4	10	7.2	4.1
Potassium	mg/Kg	170	67	180	170	77
Sodium	mg/Kg	71	56	55	50	52
Vanadium	mg/Kg	7	3	9	8.8	3.2
Zinc	mg/Kg	75	42	46	41	45
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.2

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-11-98***	***SED-12-98***	***SED15-00***	***SED16-00***
Sample ID:		***SD-10236-030498-MP-007***	***SD-10236-030598-MP-012***	***SED-12609-041700-DRD-452***	***SED-12609-041700-DRD-453***
Sample Depth:				***(0-0.5)***	***(0-0.5)***
Sample Date:		***3/4/1998***	***3/5/1998***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***				
Volatiles					
Acetone	ug/Kg	ND (100)	ND (100)	-	-
Methylene chloride	ug/Kg	ND (10)	ND (11)	-	-
PCBs					
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (44)	90
Aroclor-1254	ug/Kg	ND (330)	ND (330)	73	ND (41)
Metals					
Aluminum	mg/Kg	780	3900 J	-	-
Arsenic	mg/Kg	3.5	5 J	-	-
Barium	mg/Kg	12	49	-	-
Beryllium	mg/Kg	ND (0.32)	ND (0.42)	-	-
Cadmium	mg/Kg	0.28	1.2	-	-
Calcium	mg/Kg	10000	30000	-	-
Chromium	mg/Kg	5.6	16	-	-
Cobalt	mg/Kg	3.1	4.3	-	-
Copper	mg/Kg	4	23	-	-
Iron	mg/Kg	2900	9500	-	-
Lead	mg/Kg	19	ND (2.1) UJ	-	-
Magnesium	mg/Kg	4500	10000	-	-
Manganese	mg/Kg	97	260	-	-
Nickel	mg/Kg	3.9	11	-	-
Potassium	mg/Kg	81	550	-	-
Sodium	mg/Kg	50	220	-	-
Vanadium	mg/Kg	4.6	13	-	-
Zinc	mg/Kg	45	160	-	-
General Chemistry					
Cyanide (total)	mg/Kg	ND (0.2)	0.59	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.3

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-1-98***	***SW-2-98***	***SW-3-98***	***SW-4-98***	***SW-4-99***
Sample ID:		***SW-10236-030598-MP-010***	***SW-10236-030498-MP-003***	***SW-10236-030498-MP-002***	***SW-10236-030598-MP-013***	***W-12609-090799-DN-02***
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/5/1998***	***9/7/1999***
Parameters	***Unit***					
Volatiles						
1,2-Dichloroethene (total)	ug/L	39	ND (1)	ND (1)	ND (1)	-
1,2-Dichloropropane	ug/L	2	ND (1)	ND (1)	ND (1)	-
Tetrachloroethene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)	-
Trichloroethene	ug/L	1.2	ND (1)	ND (1)	ND (1)	-
Metals						
Aluminum	mg/L	0.18 J	0.21 J	ND (0.1) UJ	1.1 J	-
Barium	mg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	-
Cadmium	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0007	-
Calcium	mg/L	160	95	100	110	-
Iron	mg/L	0.25	0.27	ND (0.1)	2.9	-
Lead	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	0.036	-
Magnesium	mg/L	56	26	27	32	-
Manganese	mg/L	0.048	ND (0.02)	0.14	0.24	-
Potassium	mg/L	5.2	1.4	1.4	4.6	ND (5.0)
Silver	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-
Sodium	mg/L	85	7.8	12	10	24.4
Zinc	mg/L	0.025	ND (0.02)	0.024	0.099	-
General Chemistry						
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	ND (2)
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	23
Chloride	mg/L	-	-	-	-	37.1
Hardness	mg/L	-	-	-	-	134
Nitrate (as N)	mg/L	-	-	-	-	0.78
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	-	49.6
Total Dissolved Solids (TDS)	mg/L	-	-	-	-	240
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-	5.0
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.3

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-4-99***	***SW-5-98***	***SW-5-98***	***SW-5-99***	***SW-5-99***
Sample ID:		***W-12609-090799-DN-02***	***SW-10236-030498-MP-004***	***SW-10236-030498-MP-005***	***W-12609-090799-DN-01***	***W-12609-090799-DN-01***
Sample Date:		***9/7/1999***	***3/4/1998***	***3/4/1998***	***9/7/1999***	***9/7/1999***
		Duplicate		***Duplicate***		***Duplicate***
Parameters	***Unit***					
Volatiles						
1,2-Dichloroethene (total)	ug/L	-	ND (1)	ND (1)	-	-
1,2-Dichloropropane	ug/L	-	ND (1)	ND (1)	-	-
Tetrachloroethene	ug/L	-	ND (1)	ND (1)	-	-
Trichloroethene	ug/L	-	ND (1)	ND (1)	-	-
Metals						
Aluminum	mg/L	-	0.11 J	ND (0.1) UJ	-	-
Barium	mg/L	-	ND (0.2)	ND (0.2)	-	-
Cadmium	mg/L	-	ND (0.0005)	ND (0.0005)	-	-
Calcium	mg/L	-	100	97	-	-
Iron	mg/L	-	0.4	0.37	-	-
Lead	mg/L	-	ND (0.003)	ND (0.003)	-	-
Magnesium	mg/L	-	21	20	-	-
Manganese	mg/L	-	0.1	0.097	-	-
Potassium	mg/L	-	2.4	2.4	ND (5.0)	-
Silver	mg/L	-	ND (0.0005)	ND (0.0005)	-	-
Sodium	mg/L	-	72	69	24.7	-
Zinc	mg/L	-	ND (0.02)	ND (0.02)	-	-
General Chemistry						
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	ND (2/2)	-	-	ND (2)	ND (2/2)
Chemical Oxygen Demand (COD)	mg/L	23/31	-	-	28	28/31
Chloride	mg/L	-	-	-	38.4	-
Hardness	mg/L	-	-	-	138	-
Nitrate (as N)	mg/L	-	-	-	0.67	-
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	52.8	-
Total Dissolved Solids (TDS)	mg/L	-	-	-	250	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	ND (4.0)	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.3

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-6-98***	***SW-6-99***	***SW-7-98***	***SW-8-98***	***SW-9-98***
Sample ID:		***SW-10236-030498-MP-001***	***POND INFLUENT #3***	***SW-10236-030498-MP-006***	***SW-10236-030598-MP-012***	***SW-10236-030498-MP-007***
Sample Date:		***3/4/1998***	***8/13/1999***	***3/4/1998***	***3/5/1998***	***3/4/1998***
Parameters	***Unit***					
Volatiles						
1,2-Dichloroethene (total)	ug/L	ND (1)	-	ND (1)	ND (1)	ND (1)
1,2-Dichloropropane	ug/L	ND (1)	-	ND (1)	ND (1)	ND (1)
Tetrachloroethene	ug/L	ND (1)	-	ND (1)	ND (1)	ND (1)
Trichloroethene	ug/L	ND (1)	-	ND (1)	ND (1)	ND (1)
Metals						
Aluminum	mg/L	ND (0.1) UJ	-	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ
Barium	mg/L	ND (0.2)	-	ND (0.2)	ND (0.2)	ND (0.2)
Cadmium	mg/L	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)
Calcium	mg/L	99	42.1	92	110	100
Iron	mg/L	0.46	0.47	0.33	0.28	0.3
Lead	mg/L	ND (0.003)	-	ND (0.003)	ND (0.003)	ND (0.003)
Magnesium	mg/L	20	7.5	21	21	21
Manganese	mg/L	0.1	0.29	0.09	0.092	0.097
Potassium	mg/L	2.4	-	2.4	2.5	2.5
Silver	mg/L	0.00065	-	ND (0.0005)	ND (0.0005)	ND (0.0005)
Sodium	mg/L	71	-	72	67	76
Zinc	mg/L	0.033	0.059	ND (0.02)	ND (0.02)	ND (0.02)
General Chemistry						
Ammonia	mg/L	-	0.5	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	8	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	39	-	-	-
Chloride	mg/L	-	-	-	-	-
Hardness	mg/L	-	110	-	-	-
Nitrate (as N)	mg/L	-	ND (0.5)	-	-	-
Phosphorus	mg/L	-	0.7	-	-	-
Sulfate	mg/L	-	-	-	-	-
Total Dissolved Solids (TDS)	mg/L	-	240	-	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	2	-	-	-
Total Suspended Solids (TSS)	mg/L	-	5	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	1.1	-	-	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.9.3

SUMMARY OF ANALYTICAL DETECTIONS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-10-98***
Sample ID:		***SW-10236-030598-MP-011***
Sample Date:		***3/5/1998***
Parameters	***Unit***	
Volatiles		
1,2-Dichloroethene (total)	ug/L	3.2
1,2-Dichloropropane	ug/L	ND (1)
Tetrachloroethene	ug/L	1.3
Trichloroethene	ug/L	1.1
Metals		
Aluminum	mg/L	ND (0.1) UJ
Barium	mg/L	ND (0.2)
Cadmium	mg/L	ND (0.0005)
Calcium	mg/L	100
Iron	mg/L	0.29
Lead	mg/L	0.0032
Magnesium	mg/L	21
Manganese	mg/L	0.14
Potassium	mg/L	2.6
Silver	mg/L	ND (0.0005)
Sodium	mg/L	110
Zinc	mg/L	0.043
General Chemistry		
Ammonia	mg/L	-
Biochemical Oxygen Demand (BOD)	mg/L	-
Chemical Oxygen Demand (COD)	mg/L	-
Chloride	mg/L	-
Hardness	mg/L	-
Nitrate (as N)	mg/L	-
Phosphorus	mg/L	-
Sulfate	mg/L	-
Total Dissolved Solids (TDS)	mg/L	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-
Total Suspended Solids (TSS)	mg/L	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-

Notes:
U - Non-detect at associated values.
J - Estimated.
- Not analyzed.

TABLE 3.10.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AST AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
Soil							
	AST-MW-5	2 - 4		x		x	
		8 - 10		x		x	
	AST-MW-6	2 - 4		x		x	
		8 - 10		x		x	
	BH149-99	6 - 7	x			x	
		10 - 11	x			x	
	GP-1	5 - 7		x			x
	GP-2	7 - 9		x			x
	GP-3	5 - 7		x			x
	GP-4	7 - 9		x			x
	GP-5	5 - 6		x			x
	GP-6	5 - 7		x			x
	GP-7	6		x	x		x
	GP-8	6			x		x
	GP-9	2 - 5		x	x		x
	GP-10	5 - 6		x			x
	GP-11	5 - 6		x			x
	GP-12	5 - 7		x			x
	GP-13	5 - 7		x			x
	GP-14	5 - 7		x			x
	GP-15	5 - 7		x	x		x
	GP-16	5 - 7		x	x		x
	GP-17	5 - 7		x	x		x
	GP-18	5 - 7		x			x
	GP-19	5 - 7		x			x
	GP-20	5 - 7		x			x
	GP-21	5 - 7		x	x		x
	GP-22	3 - 5		x			x
	GP-23	3 - 5		x			x
	GP-24	5 - 7		x			x
	GP-25	7 - 9		x			x
	GP-26	7 - 9		x			x
	GP-27	3 - 5		x			x
	GP-28	5 - 6		x			x
	GP-29	7 - 9		x			x
	GP-30	3 - 5		x			x
	GP-31	7 - 9		x			x
	GP-32	5 - 7		x			x
	GP-33	5 - 7	x	x		x	
		8 - 10	x	x		x	
	GP-34	3 - 5	x	x		x	
		8 - 10	x	x		x	

TABLE 3.10.1

SUMMARY OF SAMPLE DEPTHS AND PARAMETERS
AST AREA
GENERAL MOTORS POWERTRAIN
TOLEDO, OHIO

Sample Matrix	*Sample Location*	*Sample Depth (ft BGS)*	*PCBs*	*General Chemistry*	*VOCs*	*SVOCs*	*Metals*
	GP-36	4 - 6	x	x		x	
		8 - 10	x	x		x	
	GP-37	6 - 8	x	x	x	x	
		12 - 14	x	x	x	x	
	GP-38	8 - 10	x	x	x	x	
		28 - 30	x	x	x	x	
	GP-39	0 - 2	x	x	x	x	
		14 - 16	x	x	x	x	
	GP-40	0 - 2	x	x	x	x	
		18 - 20	x	x	x	x	
	MW113-99	7 - 8	x	x		x	
		11 - 12	x	x		x	
	MW115-99	6 - 8[(1)]	x	x		x	
		8 - 10	x	x		x	
	MW116-99	6 - 8	x	x		x	
		8 - 10	x	x		x	
	MW118-99	2 - 3	x	x	x	x	
		6 - 8	x	x	x	x	
		8 - 10	x	x		x	
	MW119-99	6 - 8[(1)]	x	x		x	
		8 - 10	x	x		x	
Groundwater							
	AST-MW-1		x	x	x	x	x
	AST-MW-4		x	x	x	x	x
	AST-MW-5		x	x	x	x	
	AST-MW-6		x	x	x	x	
	GP-1			x			x
	GP-3			x			x
	GP-6						x
	GP-13			x			x
	GP-37		x	x	x	x	
	GP-39		x	x	x	x	
	GP-40			x	x	x	
	MW113-99				x		
	MW115-99		x	x		x	
	MW116-99		x	x		x	
	MW118-99		x	x		x	
	MW119-99		x	x		x	
	RW-1		x	x		x	
	RW-2		x	x		x	
	RW-3		x		x	x	
	RW-4		x	x	x	x	

Notes:
[(1)] Duplicate samples were taken

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*AST-MW-5*	*AST-MW-5*	*AST-MW-6*	*AST-MW-6*	*BH-149-99*	*BH-149-99*	*GP-1*	*GP-2*	*GP-3*	*GP-4*	*GP-5*	*GP-6*	*GP-7*
Sample ID:		*MW5(2-4')*	*MW5(8-10')*	*MW6(2-4')*	*MW6(8-10')*	*S-12609-081799-DN-06*	*S-12609-081799-DN-07*	*GP-1 5-7'*	*GP-2 7-9'*	*GP-3 5-7'*	*GP-4 7-9'*	*GP-5 5-6'*	*GP-6 5-7'*	*GP-7 6'*
Sample Depth		*(2-4)*	*(8-10)*	*(2-4)*	*(8-10)*	*(6-7)*	*(10-11)*	*(5-7)*	*(7-9)*	*(5-7)*	*(7-9)*	*(5-6)*	*(5-7)*	
Sample Date:		*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/17/1999*	*8/17/1999*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*
Parameter	***Unit***													
Volatiles														
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (25.0)
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (50.0)
2-Hexanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (50.0)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (50.0)
Acetone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	185.0
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (25.0)
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	1185
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	125.0
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	200.0
Xylene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	550.0
Semi-Volatiles														
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (4.3)	ND (4.0)	ND (4.3)	ND (4.3)	ND (400)	ND (410)	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (3)	ND (3)	ND (3)	ND (3)	ND (400)	ND (410)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (400)	ND (410)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (400)	ND (410)	-	-	-	-	-	-	-
Chrysene	ug/Kg	ND (5)	ND (5)	ND (5)	ND (5)	ND (400)	ND (410)	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (400)	ND (410)	-	-	-	-	-	-	-
Fluorene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	ND (21)	ND (21)	ND (21)	ND (21)	ND (400)	ND (410)	-	-	-	-	-	-	-
Pyrene	ug/Kg	ND (9)	ND (9)	ND (9)	ND (9)	ND (400)	ND (410)	-	-	-	-	-	-	-
PCB's														
Aroclor-1248	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Arsenic	mg/Kg	-	-	-	-	-	-	1.75	2.65	ND (0.97)	2.79	ND (0.99)	1.58	ND (0.97)
Barium	mg/Kg	-	-	-	-	-	-	47.6	70.9	19.5	88.4	12.3	13.2	43.4
Chromium	mg/Kg	-	-	-	-	-	-	8.93	15.9	8.49	16.6	4.37	3.94	4.67
Copper	mg/Kg	-	-	-	-	-	-	5.63	12.6	3.86	13.6	4.17	2.37	2.92
Iron	mg/Kg	-	-	-	-	-	-	8330	15600	5120	18400	4060	3630	2880
Lead	mg/Kg	-	-	-	-	-	-	4.85	7.54	7.53	8.18	2.58	1.97	4.86
Mercury	mg/Kg	-	-	-	-	-	-	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Zinc	mg/Kg	-	-	-	-	-	-	48.2	54.8	20.7	54.7	13.5	ND (9.86)	25.1
General Chemistry														
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10.0)	85.3	ND (10.0)	ND (10.0)	14 J	12 J	25.2	ND (10.0)	46.0	ND (10.0)	73.4	27100	56700

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*GP-8*	*GP-9*	*GP-10*	*GP-11*	*GP-12*	*GP-13*	*GP-14*	*GP-15*	*GP-16*	*GP-17*	*GP-18*	*GP-19*	*GP-20*	*GP-21*
Sample ID:		*GP-8 6'*	*GP-9 2-5'*	*GP-10 6'*	*GP-11 5- 6'*	*GP-12 5-7'*	*GP-13 5-7'*	*GP-14 5-7'*	*GP-15 5-7'*	*GP-16 5-7'*	*GP-17 5-7'*	*GP-18 5-7'*	*GP-19 5-7'*	*GP-20 5-7'*	*GP-21 5-7'*
Sample Depth			*(2-5)*	*(5-6)*	*(5-6)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*
Sample Date:		*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*
Parameter	***Unit***														
Volatiles															
1,1-Dichloroethene	ug/Kg	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)	ND (5.0)	-	-	-	ND (5.0)
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	300.0	-	-	-	-	-	ND (10.0)	ND (25.0)	ND (10.0)	-	-	-	ND (10.0)
2-Hexanone	ug/Kg	-	330.0	-	-	-	-	-	ND (10.0)	ND (50.0)	ND (10.0)	-	-	-	ND (10.0)
4-Methyl-2-pentanone	ug/Kg	230.0	230.0	-	-	-	-	-	ND (10.0)	ND (50.0)	ND (10.0)	-	-	-	ND (10.0)
Acetone	ug/Kg	-	8200	-	-	-	-	-	43.0	ND (50.0)	ND (10.0)	-	-	-	46.0
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	40.0	-	-	-	-	-	ND (5.0)	ND (25.0)	ND (5.0)	-	-	-	ND (5.0)
Chlorobenzene	ug/Kg	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)	20.0	-	-	-	ND (5.0)
Ethylbenzene	ug/Kg	-	35.0	-	-	-	-	-	ND (5.0)	ND (25.0)	90.0	-	-	-	8.0
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/Kg	1445	115.0	-	-	-	-	-	ND (5.0)	ND (25.0)	7.0	-	-	-	6.0
Xylene (total)	ug/Kg	1165	180.0	-	-	-	-	-	ND (5.0)	ND (25.0)	237.0	-	-	-	22.0
Semi-Volatiles															
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB's															
Aroclor-1248	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals															
Arsenic	mg/Kg	ND (0.96)	ND (1.02)	1.73	ND (0.97)	1.55	ND (1.00)	3.05	ND (0.99)	ND (0.98)	ND (0.98)	2.37	1.75	2.35	1.82
Barium	mg/Kg	34.9	27.6	26.4	8.32	6.78	9.44	19.6	8.75	15.4	16.1	47.2	13.1	19.4	68.5
Chromium	mg/Kg	3.65	3.46	8.67	2.71	3.10	2.41	5.71	3.18	3.74	3.74	16.8	8.58	21.5	5.45
Copper	mg/Kg	2.11	2.64	4.62	1.93	1.36	1.81	3.81	1.99	2.17	1.97	8.70	3.90	6.85	28.9
Iron	mg/Kg	2730	2170	7400	464	3720	438	5330	2330	4040	2600	11600	4420	6420	6380
Lead	mg/Kg	1.54	1.83	2.89	ND (0.97)	1.16	1.41	3.05	2.98	1.57	ND (0.98)	5.34	2.53	2.74	17.2
Mercury	mg/Kg	ND (0.10)	0.24	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Zinc	mg/Kg	14.8	ND (10.2)	20.6	ND (9.67)	ND (9.69)	ND (10.0)	15.8	30.6	27.6	ND (9.84)	35.4	11.7	14.5	428
General Chemistry															
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	35700	4900	56300	32900	42700	ND (10.0)	17.8	13200	24900	98.3	4460	ND (10.0)	19500

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***GP-22***	***GP-23***	***GP-24***	***GP-25***	***GP-26***	***GP-27***	***GP-28***	***GP-29***	***GP-30***	***GP-31***	***GP-32***	***GP-33***	***GP-33***
Sample ID:		***GP-22 3-5'***	***GP-23 3-5'***	***GP-24 (5-7')***	***GP-25 (7-9')***	***GP-26 (7-9')***	***GP-27 (3-5')***	***GP-28 (5-6')***	***GP-29 (7-9')***	***GP-30 (3-5')***	***GP-31 (7-9')***	***GP-32 (5-7')***	***GP-33 (5-7)***	***GP-33 (8-10)***
Sample Depth		***(3-5)***	***(3-5)***	***(5-7)***	***(7-9)***	***(7-9)***	***(3-5)***	***(5-6)***	***(7-9)***	***(3-5)***	***(7-9)***	***(5-7)***	***(5-7)***	***(8-10)***
Sample Date:		***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/8/1997***	***5/8/1997***	***8/28/1997***	***8/28/1997***
Parameter	***Unit***													
Volatiles														
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles														
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (33)	ND (33)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	19.6	ND (4.0)
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	20	ND (3)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	20	ND (6)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	11	ND (6)
Chrysene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	18	ND (5)
Fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	59	ND (7)
Fluorene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (7)	ND (7)
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (33)	ND (33)
Phenanthrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (21)	ND (21)
Pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	55	ND (9)
PCB's														
Aroclor-1248	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (33.3)	ND (33.3)
Aroclor-1260	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	ND (33.3)	ND (33.3)
Metals														
Arsenic	mg/Kg	ND (0.98)	ND (1.00)	2.84	ND (1.01)	1.81	ND (1.02)	2.01	1.92	2.13	3.46	1.76	-	-
Barium	mg/Kg	7.44	7.39	11.6	15.3	26.9	7.96	59.6	8.25	12.4	18.5	42.6	-	-
Chromium	mg/Kg	3.33	3.39	4.46	4.43	7.23	3.47	14.1	3.65	3.29	3.65	11.1	-	-
Copper	mg/Kg	1.76	1.60	4.87	2.82	5.02	1.84	9.26	3.26	2.13	ND (0.96)	6.25	-	-
Iron	mg/Kg	2700	2830	5660	3660	6710	3020	12200	4410	3390	3460	9450	-	-
Lead	mg/Kg	ND (0.98)	ND (1.00)	3.85	2.21	3.61	ND (1.02)	6.24	2.5	1.74	1.54	4.49	-	-
Mercury	mg/Kg	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.1)	ND (0.10)	ND (0.10)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-
Zinc	mg/Kg	ND (9.78)	ND (9.98)	17.2	11.3	19.9	ND (10.2)	36.4	13.2	ND (9.69)	ND (9.62)	26.2	-	-
General Chemistry														
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.01)	ND (10.0)	ND (10.0)	ND (10.0)	64300	50.6	22700	ND (10)	ND (1)

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***GP-34***	***GP-34***	***GP-36***	***GP-36***	***GP-37***	***GP-37***	***GP-38***	***GP-38***	***GP-39***	***GP-39***	***GP-40***	***GP-40***	***MW-113-99***
Sample ID:		***GP-34 (3-5)***	***GP-34 (8-10)***	***GP-36 (4-6)***	***GP-36 (8-10)***									***S-12609-081799-DN-04***
Sample Depth		***(3-5)***	***(8-10)***	***(4-6)***	***(8-10)***	***(6-8)***	***(12-14)***	***(8-10)***	***(28-30)***	***(0-2)***	***(14-16)***	***(0-2)***	***(18-20)***	***(7-8)***
Sample Date:		***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/17/1999***
Parameter	***Unit***													
Volatiles														
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	12.0	ND (2.0)	80.0	ND (2.0)	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	45.0	ND (2.0)	-
2-Butanone	ug/Kg	-	-	-	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
2-Hexanone	ug/Kg	-	-	-	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
Acetone	ug/Kg	-	-	-	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
Benzene, butyl	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	15.0	ND (2.0)	-
Benzene, propyl	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	20.0	ND (2.0)	-
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	120.0	ND (2.0)	-
Naphthalene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	30.0	ND (2.0)	-
Toluene	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	4.0	ND (2.0)	40.0	ND (2.0)	-
Xylene (total)	ug/Kg	-	-	-	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	8.0	ND (2.0)	415.0	ND (2.0)	-
Semi-Volatiles														
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (7900)
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (7900)
Acenaphthene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	ND (1330)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	255	ND (33)	1200 J
Benzo(a)anthracene	ug/Kg	ND (4.3)	ND (4.3)	ND (4.3)	ND (4.3)	ND (173.2)	ND (4.3)	ND (4.3)	ND (4.3)	ND (173.2)	ND (4.3)	ND (173.2)	ND (4.3)	ND (7900)
Benzo(a)pyrene	ug/Kg	ND (3)	ND (3)	ND (3)	ND (3)	ND (133)	ND (3)	ND (3)	ND (3)	ND (133)	ND (3)	ND (133)	ND (3)	ND (7900)
Benzo(b)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (240)	ND (6)	ND (6)	ND (6)	ND (240)	ND (6)	ND (240)	ND (6)	ND (7900)
Benzo(k)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (226)	ND (6)	ND (6)	ND (6)	ND (226)	ND (6)	ND (226)	ND (6)	ND (7900)
Chrysene	ug/Kg	ND (5)	ND (5)	ND (5)	ND (5)	ND (200)	ND (5)	ND (5)	ND (5)	ND (200)	ND (5)	ND (200)	ND (5)	ND (7900)
Fluoranthene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (280)	9	12	ND (7)	ND (280)	ND (7)	ND (280)	ND (7)	3200 J
Fluorene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (280)	ND (7)	ND (7)	ND (7)	96	ND (7)	117	ND (7)	ND (7900)
Naphthalene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	45	ND (33)	ND (7900)
Phenanthrene	ug/Kg	ND (21)	ND (21)	ND (21)	ND (21)	ND (852)	ND (21)	ND (21)	ND (21)	ND (852)	ND (21)	ND (852)	ND (21)	3100 J
Pyrene	ug/Kg	ND (9)	ND (9)	10	ND (9)	ND (360)	ND (9)	10	ND (9)	ND (360)	ND (9)	ND (360)	ND (9)	2200 J
PCB's														
Aroclor-1248	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1260	ug/Kg	ND (33.3)	ND (33.3)	298.0	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Metals														
Arsenic	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10)	ND (10)	988	ND (10)	27900	ND (10.0)	ND (10.0)	ND (10.0)	30000	ND (10.0)	28000	ND (10.0)	4900 J

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-113-99***	***MW-115-99***	***MW-115-99***	***MW-115-99***	***MW-116-99***	***MW-116-99***	***MW-118-99***
Sample ID:		***S-12609-081799-DN-05***	***S-12609-081899-DN-12***	***S-12609-081899-DN-18***	***S-12609-081899-DN-13***	***S-12609-081899-DN-14***	***S-12609-081899-DN-15***	***S-12609-081999-DN-21***
Sample Depth		***(11-12)***	***(6-8)***	***(6-8)***	***(8-10)***	***(6-8)***	***(8-10)***	***(2-3)***
Sample Date:		***8/17/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/19/1999***
Parameter	***Unit***			***Duplicate***				
Volatiles								
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	2.4 J
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	ND (27)
2-Hexanone	ug/Kg	-	-	-	-	-	-	ND (27)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	ND (27)
Acetone	ug/Kg	-	-	-	-	-	-	ND (27)
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	ND (6.7)
Chlorobenzene	ug/Kg	-	-	-	-	-	-	ND (6.7)
Ethylbenzene	ug/Kg	-	-	-	-	-	-	ND (6.7)
Naphthalene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	ND (6.7)
Xylene (total)	ug/Kg	-	-	-	-	-	-	ND (13)
Semi-Volatiles								
1-Methyl naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	64 J	ND (410)	ND (360)
2-Methyl naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	56 J	ND (410)	ND (360)
Acenaphthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Benzo(a)anthracene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430) U	ND (400)	ND (410)	ND (360)
Benzo(a)pyrene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Chrysene	ug/Kg	ND (410)	ND (420)	ND (410)	170 J	ND (400)	ND (410)	ND (360)
Fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	420 J	ND (400)	ND (410)	ND (360)
Fluorene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)	ND (360)
Phenanthrene	ug/Kg	ND (410)	ND (420)	ND (410)	180 J	290 J	ND (410)	ND (360)
Pyrene	ug/Kg	67 J	ND (420)	ND (410)	250 J	ND (400)	ND (410)	ND (360)
PCB's								
Aroclor-1248	ug/Kg	ND (41)	ND (42)	ND (41)	120	25000	57	ND (36)
Aroclor-1260	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)	ND (36)
Metals								
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Total Recoverable Petroleum Hydrocarbons	mg/Kg	1600 J	ND (13)	ND (13)	18 J	730 J	ND (12)	ND (11)

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.2

SUMMARY OF ANALYTICAL DETECTIONS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-118-99***	***MW-118-99***	***MW-119-99***	***MW-119-99***	***MW-119-99***
Sample ID:		***S-12609-081999-DN-22***	***S-12609-081999-DN-23***	***S-12609-081999-DN-24***	***S-12609-081999-DN-26***	***S-12609-081999-DN-25***
Sample Depth		***(6-8)***	***(8-10)***	***(6-8)***	***(6-8)***	***(8-10)***
Sample Date:		***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999***
Parameter	***Unit***				***Duplicate***	
Volatiles						
1,1-Dichloroethene	ug/Kg	ND (7.8)	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	ND (31)	-	-	-	-
2-Hexanone	ug/Kg	ND (31)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (31)	-	-	-	-
Acetone	ug/Kg	ND (31)	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	ND (7.8)	-	-	-	-
Chlorobenzene	ug/Kg	ND (7.8)	-	-	-	-
Ethylbenzene	ug/Kg	ND (7.8)	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	ND (7.8)	-	-	-	-
Xylene (total)	ug/Kg	ND (16)	-	-	-	-
Semi-Volatiles						
1-Methyl naphthalene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
2-Methyl naphthalene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Acenaphthene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(a)anthracene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Chrysene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Fluoranthene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Fluorene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Naphthalene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Phenanthrene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Pyrene	ug/Kg	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
PCB's						
Aroclor-1248	ug/Kg	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1260	ug/Kg	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Metals						
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (12)	ND (13)	ND (13)	ND (12)

Notes:
U-Non-detect at associated value.
J-Estimated
- Not Analyzed.

TABLE 3.10.3

SUMMARY OF ANALYTICAL DETECTIONS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***AST-MW-1***	***AST-MW-1***	***AST-MW-4***	***AST-MW-4***	***AST-MW-4***	***AST-MW-4***	***AST-MW-5***	***AST-MW-5***	***AST-MW-6***
Sample ID:		***AST-MW-1***	***W-12609-091599-DN-12***	***AST-MW-4***	***W-12609-091599-DN-13***	***W-12609-041800-KMV-817***	***W-12609-041800-KMV-818***		***W-12609-091599-DN-11***	
Sample Date:		***5/8/1997***	***9/15/1999***	***5/8/1997***	***9/15/1999***	***4/18/2000***	***4/18/2000***	***8/27/1997***	***9/15/1999***	***8/27/1997***
Parameter	Unit									
Volatiles										
1,1,1-Trichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
1,1-Dichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
Acetone	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)	-	ND (10.0)
Benzene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
Carbon disulfide	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
Chloroethane	ug/L	ND (10)	-	ND (10)	-	-	-	ND (2.0)	-	ND (2.0)
Toluene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
Xylene (total)	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)	-	ND (2.0)
Semi-Volatiles										
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (1.01)	-	ND (1.00)
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.27)	-	ND (0.27)
PCB's										
Aroclor-1248	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)	ND (1.0)	ND (0.50)
Aroclor-1260	ug/L	3.27	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)	ND (1.0)	ND (0.50)
Metals										
Arsenic	mg/L	0.012	-	ND (0.005)	-	-	-	-	-	-
Barium	mg/L	0.139	-	0.092	-	-	-	-	-	-
Cadmium	mg/L	ND (0.001)	-	ND (0.001)	-	-	-	-	-	-
Chromium	mg/L	0.021	-	0.012	-	-	-	-	-	-
Copper	mg/L	ND (0.01)	-	ND (0.01)	-	-	-	-	-	-
Iron	mg/L	12.4	-	1.98	-	-	-	-	-	-
Lead	mg/L	0.006	-	ND (0.003)	-	-	-	-	-	-
Selenium	mg/L	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Zinc	mg/L	0.029	-	ND (0.02)	-	-	-	-	-	-
General Chemistry										
Total Petroleum Hydrocarbons, extractable	mg/L	-	2.4	-	1.4	-	-	-	ND (0.1)	-
Total Recoverable Petroleum Hydrocarbons	mg/L	0.12	-	0.11	-	-	-	-	-	-
pH (water)	s.u.	-	-	-	-	-	-	-	-	-

Notes:
J-Estimated
- Not analyzed.

TABLE 3.10.3

SUMMARY OF ANALYTICAL DETECTIONS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***AST-MW-6***	***AST-MW-6***	***AST-MW-6***	***GP-1***	***GP-3***	***GP-6***	***GP-13***	***GP-37***	***GP-39***	***GP-40***
Sample ID:		***W-12609-091599-DN-10***	***W-12609-041800-KMV-815***	***W-12609-041800-KMV-816***	***GP-1***	***GP-3***	***GP-6***	***GP-13***			
Sample Date:		***9/15/1999***	***4/18/2000***	***4/18/2000***	***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/7/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***
Parameter	Unit										
Volatiles											
1,1,1-Trichloroethane	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	ND (2.0)
1,1-Dichloroethane	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	ND (2.0)
Acetone	ug/L	-	-	-	-	-	-	-	ND (10.0)	ND (10.0)	ND (10.0)
Benzene	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	ND (2.0)
Chloroethane	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	ND (2.0)
Toluene	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	3.0
Xylene (total)	ug/L	-	-	-	-	-	-	-	ND (2.0)	ND (2.0)	4.0
Semi-Volatiles											
Acenaphthene	ug/L	-	-	-	-	-	-	-	3.50	ND (1.01)	ND (2.13)
Pyrene	ug/L	-	-	-	-	-	-	-	0.53	ND (0.27)	ND (0.57)
PCB's											
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-	-	-	-	14.07	ND (0.50)	-
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-	-	-	-	ND (0.59)	ND (0.50)	-
Metals											
Arsenic	mg/L	-	-	-	0.061	0.06	0.027	ND (0.005)	-	-	-
Barium	mg/L	-	-	-	0.481	0.469	0.428	0.063	-	-	-
Cadmium	mg/L	-	-	-	ND (0.001)	0.002	ND (0.001)	ND (0.001)	-	-	-
Chromium	mg/L	-	-	-	0.072	0.11	0.018	0.014	-	-	-
Copper	mg/L	-	-	-	0.128	0.197	0.026	ND (0.01)	-	-	-
Iron	mg/L	-	-	-	106	135	32.2	4.36	-	-	-
Lead	mg/L	-	-	-	0.083	0.087	0.026	0.007	-	-	-
Selenium	mg/L	-	-	-	0.012	0.009	ND (0.005)	ND (0.005)	-	-	-
Zinc	mg/L	-	-	-	0.403	0.516	0.104	0.029	-	-	-
General Chemistry											
Total Petroleum Hydrocarbons, extractable	mg/L	1.8	-	-	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	0.31	0.21	329	66.7	45.4	46.2	71
pH (water)	s.u.	-	-	-	-	-	-	-	-	-	-

Notes:
J-Estimated
- Not analyzed.

TABLE 3.10.3

SUMMARY OF ANALYTICAL DETECTIONS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-113-99***	***MW-115-99***	***MW-115-99***	***MW-115-99***	***MW-115-99***	***MW-116-99***
Sample ID:		***W-12609-091699-DN-17***	***W-12609-091499-DN-07***	***W-12609-041800-KMV-819***	***W-12609-041800-KMV-820***	***W-12609-041800-KMV-821***	***W-12609-090899-DN-04***
Sample Date:		***9/16/1999***	***9/14/1999***	***4/18/2000***	***4/18/2000***	***4/18/2000***	***9/8/1999***
Parameter	Unit						
Volatiles							
1,1,1-Trichloroethane	ug/L	0.19 J	-	-	-	-	-
1,1-Dichloroethane	ug/L	0.62 J	-	-	-	-	-
Acetone	ug/L	30	-	-	-	-	-
Benzene	ug/L	0.16 J	-	-	-	-	-
Carbon disulfide	ug/L	0.13 J	-	-	-	-	-
Chloroethane	ug/L	0.69 J	-	-	-	-	-
Toluene	ug/L	0.23 J	-	-	-	-	-
Xylene (total)	ug/L	ND (1.0)	-	-	-	-	-
Semi-Volatiles							
Acenaphthene	ug/L	-	ND (10)	-	-	-	ND (50)
Pyrene	ug/L	-	ND (10)	-	-	-	ND (50)
PCB's							
Aroclor-1248	ug/L	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Metals							
Arsenic	mg/L	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-
General Chemistry							
Total Petroleum Hydrocarbons, extractable	mg/L	5.5	0.44	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-	ND (1)
pH (water)	s.u.	-	-	-	-	-	-

Notes:
J-Estimated
- Not analyzed.

TABLE 3.10.3

SUMMARY OF ANALYTICAL DETECTIONS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-118-99***	***MW-119-99***	***RW-1***	***RW-2***	***RW-3***	***RW-3***	***RW-4***	***RW-4***
Sample ID:		***W-12609-091499-DN-05***	***W-12609-091499-DN-06***	***W-12609-092199-DN-20***	***W-12609-092299-DN-23***		***W-12609-092199-DN-21***		***W-12609-092299-DN-24***
Sample Date:		***9/14/1999***	***9/14/1999***	***9/21/1999***	***9/22/1999***	***11/25/1997***	***9/21/1999***	***11/25/1997***	***9/22/1999***
Parameter	Unit								
Volatiles									
1,1,1-Trichloroethane	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
1,1-Dichloroethane	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Acetone	ug/L	-	-	-	-	ND (10)	-	ND (10)	-
Benzene	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Carbon disulfide	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Chloroethane	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Toluene	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Xylene (total)	ug/L	-	-	-	-	ND (2)	-	ND (2)	-
Semi-Volatiles									
Acenaphthene	ug/L	ND (10)	ND (10)	ND (100)	ND (1000)	ND (1.03)	ND (25)	ND (1.01)	ND (25)
Pyrene	ug/L	ND (10)	ND (10)	ND (100)	ND (1000)	ND (0.28)	ND (25)	ND (0.27)	ND (25)
PCB's									
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	6.4	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-
General Chemistry									
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	17	380	-	8.5	-	6.9
Total Recoverable Petroleum Hydrocarbons	mg/L	72	74	-	-	-	-	-	-
pH (water)	s.u.	-	-	-	-	-	-	-	-

Notes:
J-Estimated
- Not analyzed.

APPENDIX A

HISTORICAL AERIAL PHOTOGRAPHS



figure A.1

1949 AERIAL PHOTOGRAPH
GM POWERTRAIN GROUP - TOLEDO PLANT
Toledo, Ohio

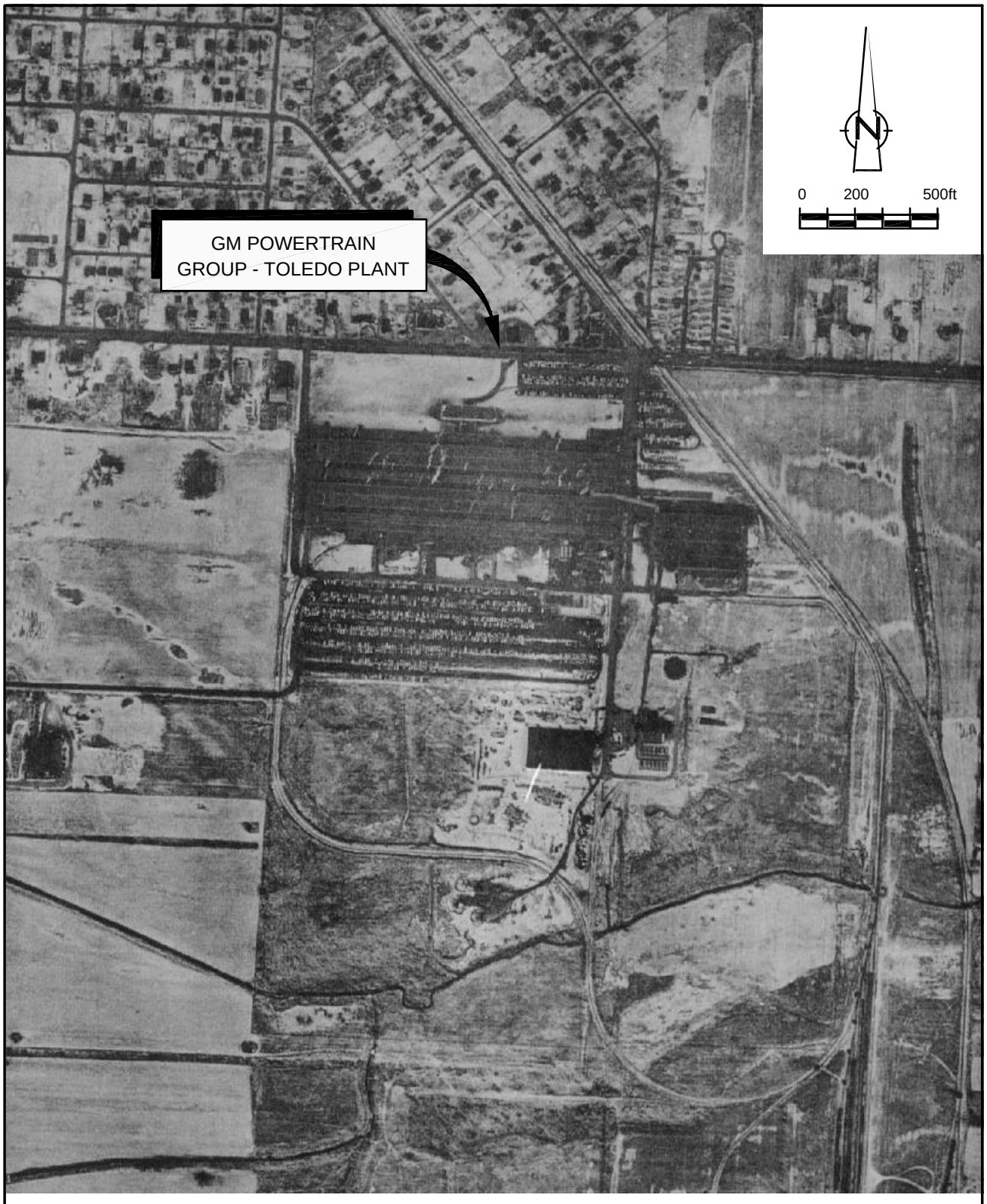


figure A.2

1960 AERIAL PHOTOGRAPH
GM POWERTRAIN GROUP - TOLEDO PLANT
Toledo, Ohio



figure A.3

1962 AERIAL PHOTOGRAPH
GM POWERTRAIN GROUP - TOLEDO PLANT
Toledo, Ohio

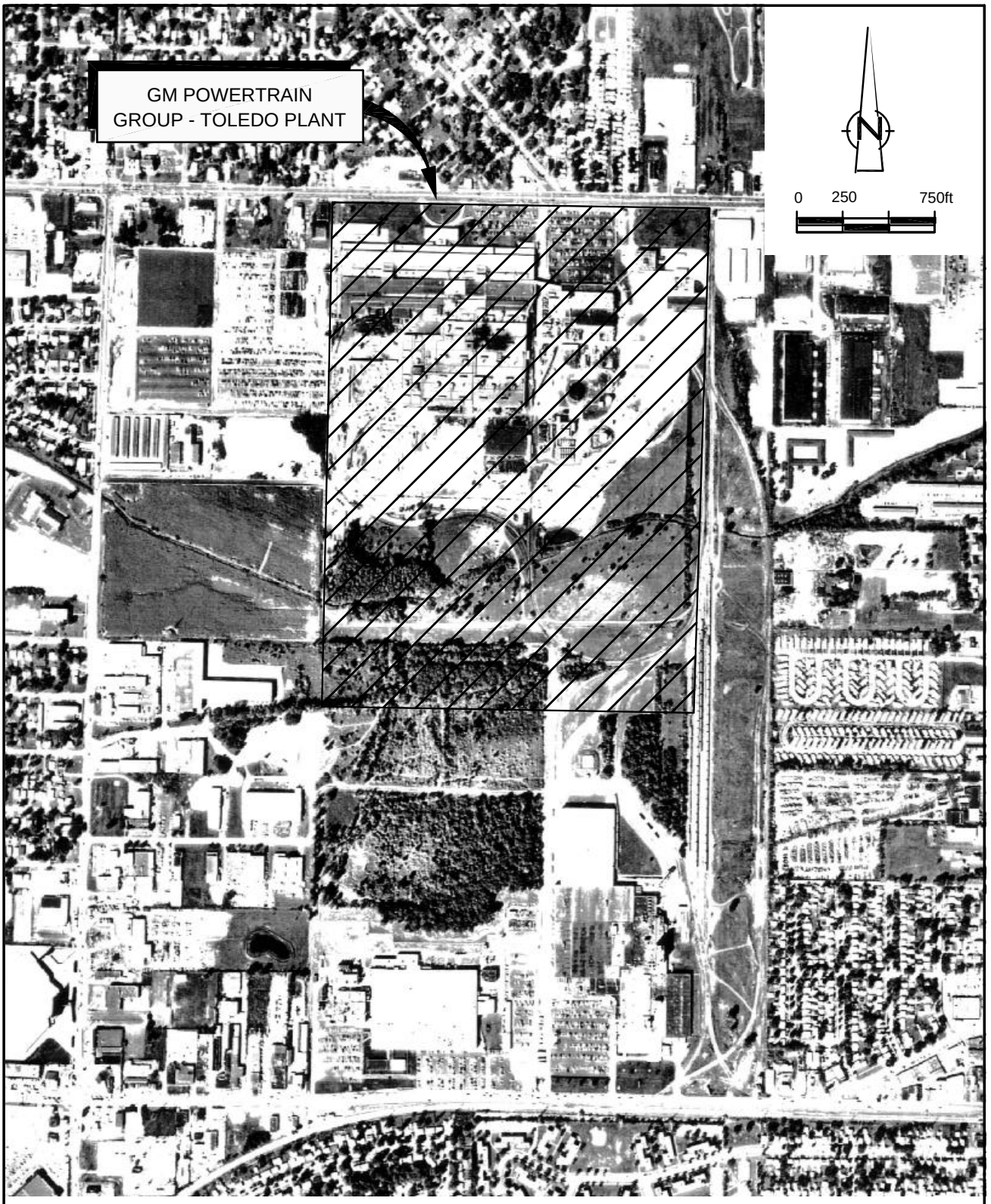


figure A.4

1979 AERIAL PHOTOGRAPH
GM POWERTRAIN GROUP - TOLEDO PLANT
Toledo, Ohio

12609-08(019)GN-WA019 JAN 11/2001



figure A.5

1980 AERIAL PHOTOGRAPH
GM POWERTRAIN GROUP - TOLEDO PLANT
Toledo, Ohio

APPENDIX B

BOREHOLE LOGS, MONITORING WELL LOGS, TEST PIT LOGS, HAND AUGER LOGS

SECTION 1

BOREHOLE LOGS

SECTION 2

MONITORING WELL LOGS

SECTION 3

HAND AUGER LOGS

SECTION 4

TEST PIT LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-01)
Page 1 of 1

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH100-98
DATE COMPLETED: JANUARY 5, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.5					
	TOPSOIL, sand, some silt, little clay, loose, dark brown, roots	605.2					
	SM-SAND, little silt, medium to fine grained, medium dense, medium brown, poorly graded	604.5		1SS		7	0.0
2.5	SM-SAND, sand, some silt, trace clay, fine grained, medium dense, dark brown	602.5		2SS		10	0.0
	ML-SILT, little sand, little clay, dense, medium brown	602.3 601.5	8"Ø BOREHOLE	3SS		9	0.0
5.0	SM-SAND, some silt, trace clay, poorly graded, fine grained, medium dense, medium brown	599.7					
	SM-SAND, some silt, trace clay, fine grained, dense, dark brown with interbedded layers of light brown sand (1mm to 1cm thick)	599.5 598.5		4SS		4	0.0
7.5	CL-CLAY, little silt, stiff, light brown		GROUT	5SS		8	0.0
10.0	ML-SILT, trace sand, little clay, damp, stiff, dark grey	596.0					
	CL-CLAY, little silt, trace sand, stiff, near PL, grey, moist to wet (small zones) P.P. 1-1.5 t/ft^2	594.5		6SS		9	0.0
12.5	CL/ML-CLAY and SILT, trace sand, stiff, grey - wet		2"Ø SPLIT SPOON	7SS		4	0.0
15.0	CL/ML-CLAY and SILT, trace sand, wet, dark grey with some brown patches - moist	591.5					
17.5	END OF HOLE @ 14.0ft BGS						
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

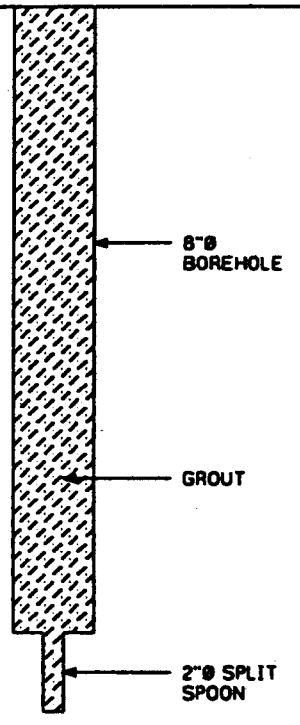
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-02)
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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH101-98
DATE COMPLETED: JANUARY 6, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.0				
	TOPSOIL, sand, some silt, trace clay, trace gravel, loose, roots, dark brown, damp	608.8				
	SM/GW-SAND and GRAVEL (FILL), fine grained sand gravel ~¼"Ø, loose, dark brown	608.5	1SS		7	0.0
2.5			2SS		13	0.0
	ML/SM-SILT and SAND (FILL), trace clay, trace gravel, iron color staining, medium brown, piece of brick, chunk of coal or slag ~½"Ø	604.7				
5.0	SM-SAND, little to trace silt, fine grained, poorly graded, medium brown		3SS		6	0.0
			4SS		4	0.0
7.5		600.5				
	ML-SILT, little sand, trace to little clay, damp, dark grey, P.P. 1.0, rolls easily		5SS		6	--
10.0	- wet	598.3	6SS		8	--
	SM/ML-SAND and SILT, trace to little clay, fine grained, wet, medium brown	598.5				
12.5	ML-SILT, little clay, trace sand, firm, moist, grey	598.0	7SS		6	--
	ML-SILT, little clay, trace sand, soft, wet, medium brown		8SS		7	--
15.0	- wet to moist alternating					
	- grey		9SS		8	--
17.5	END OF HOLE @ 18.0ft BGS	591.0				
20.0						
22.5						
25.0						
27.5						
30.0						
32.5						



NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH102-98
DATE COMPLETED: JANUARY 9, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.1					
	TOPSOIL, silt, little sand, trace clay, moist, loose, dark brown, roots	607.9		1SS		6	--
-2.5	SM/ML-SAND and SILT (FILL), with chunks of coal, loose, damp, dark brown	605.6		2SS		10	--
	SM-SAND, trace silt, fine grained, poorly graded, medium dense, medium brown with red zones (oxidized)	604.1	8"Ø BOREHOLE	3SS		15	--
-5.0	ML/CL-SILT and CLAY (TILL), little sand, stiff, damp, greyish brown changes to medium brown with reddish (oxidized zones/patches) P.P. 2.5-3 t/ft^2, near PL						
-7.5	- P.P. 1.5-1.75 t/ft^2, moist		GROUT	4SS		6	--
	- wet						
	- damp, greyish brown			5SS		10	--
-10.0	- moist						
	- damp		2"Ø SPLIT SPOON	6SS		10	--
-12.5	END OF HOLE @ 12.0ft BGS	596.1					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH103-98
DATE COMPLETED: JANUARY 9, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.3					
	TOPSOIL, silt, little sand, trace clay, moist, dark brown, roots	608.1		1SS		10	--
2.5	ML-SILT (FILL), trace sand, trace clay, with chunks of coal, rocks, crushed bricks and white granular material, glass, metal fittings, dark brown, damp	606.3		2SS		5	--
	SM-SAND (FILL), fine grained, dense, consolidated, tan with reddish stains (oxidized), possibly foundry sand, dense	606.1 606.0 604.8 604.3		3SS		11	--
5.0	ML-SILT (FILL), little sand, trace clay with chunks of coal, rocks, glass, dark brown, moist		8"Ø BOREHOLE	4SS		14	--
7.5	ML/CL-SILT and CLAY (FILL), some sand, small bits of brick and coal, stiff, medium brown with some light brown (tan) and grey patches			5SS		8	--
10.0	ML-SILT (TILL), little clay, trace sand, firm, P.P. 1.0 t/ft^2, medium brown, moist	599.3		6SS		6	--
	ML/CL-SILT and CLAY (TILL), stiff, rolls near PL, P.P. 2-2.5 t/ft^2, damp, medium brownish tan	598.3	GROUT	7SS		4	--
12.5	- P.P. 3-3.5 t/ft^2						
	- wet, some sand, very fine grained			8SS		7	--
15.0	- damp						
	ML-SILT (TILL), some sand, very fine grained, medium brownish tan, wet			9SS		8	--
17.5	ML-SILT, trace to little sand, very fine grained, grey, wet, soft, sticky						
	- very wet, sticky						
	- moist		2"Ø SPLIT SPOON	10SS		5	--
20.0	- wet, sticky	589.3					
	- moist, sticky						
	END OF HOLE @ 20.0ft BGS						
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH104-98
DATE COMPLETED: JANUARY 12, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.1					
	TOPSOIL, silt, some sand, trace clay, loose, moist, dark brown, roots	605.8		1SS		8	0.0
		605.6					
	ML/CL-SILT and CLAY, trace sand, firm, dark brown	604.6		2SS		7	0.0
-2.5	SM-SAND, some silt, fine grained, medium dense, poorly sorted, medium brown	602.1	▽				
-5.0	SM-SAND, trace silt, fine grained, fairly well sorted, loose, tan			3SS		15	1.2
	- ~1" layers with some silt, trace to little clay, medium dense, tan, with some reddish spots			4SS		13	0.0
-7.5	- moist	598.6	8"Ø BOREHOLE				
	ML/SM-SILT and SAND, very fine grained, medium dense, tan, wet	598.1		5SS		4	0.0
	- moist			6SS		6	0.0
-10.0	CL-CLAY, little silt, soft, P.P. 0.5 t/ft^2, low plasticity, moist, grey						
	ML/CL-SILT and CLAY, trace sand, very fine grained, very soft, wet, grey, sticky, P.P. 0.5 t/ft^2	594.1	GROUT	7SS		7	0.0
-12.5							
-15.0	- soft, little firmer			8SS		9	0.0
	CL-CLAY, little silt, sticky, wet P.P. <0.5 t/ft^2, grey, wet			9SS		7	0.0
-17.5							
-20.0				10SS		5	0.0
	- stiff, moist		2"Ø SPLIT SPOON	11SS		3	0.0
-22.5	END OF HOLE @ 22.0ft BGS	584.1					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH105-98
DATE COMPLETED: JANUARY 12, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.9					
	TOPSOIL, silt, little sand, little clay, loose, moist, dark brown, roots	606.5		1SS		12	0.0
-2.5	ML-SILT (FILL), some sand, some clay, little gravel, fine grained, gravel >2"Ø, medium brown, coal chunks, moist			2SS		23	0.0
-5.0				3SS		21	0.0
		600.4					
-7.5	ML/CL-SILT and CLAY, trace sand, very fine grained, medium plasticity, moist, medium brown, firm P.P. 1.5-2		8"Ø BOREHOLE	4SS		6	0.0
	- damp, P.P. 2-2.5 t/ft^2, stiff, mottled red patches			5SS		6	0.0
-10.0	- P.P. 1-1.5 t/ft^2, moist, firm			6SS		9	0.0
-12.5				7SS		6	0.0
	- soft, sticky, moist		GROUT				
-15.0	- firm, moist			8SS		6	0.0
		591	▽				
	ML/CL- SILT and CLAY, trace sand, grey	590.9					
-17.5	ML/CL-SILT and CLAY, sticky, very soft, wet, brownish grey with red mottled spots	589.9		9SS		4	0.0
	MC/CL-SILT and CLAY, trace sand, above PL, rolls easily, moist, grey			10SS		5	0.0
-20.0	- wet, liquidy, sticky, very soft						
	- moist, soft						
	- moist, very soft, sticky		2"Ø SPLIT SPOON	11SS		6	0.0
-22.5	- damp, firm	584.9					
	END OF HOLE @ 22.0ft BGS						
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▽
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH106-98
DATE COMPLETED: JANUARY 12, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.8					
2.5	TOPSOIL, silt, little clay, little sand, moist, dark brown	605.6	8"Ø BOREHOLE	1SS		7	0.0
	CL-CLAY (FILL), little silt, stiff, P.P. 1.0 t/ft^2 dark brown, mottled, damp	605.3					
	ML-SILT (FILL), little clay, trace sand, rolls, moist, dark brown, mottled	605.0		2SS		14	0.0
5.0	SM-SAND (FILL), some silt, trace to little clay, medium brown, mottled, damp	604.1					
	SM-SAND (FILL), with charcoal, coal, white powder, brick, loose, brown, white and black, damp	603.5		3SS		7	0.0
7.5	SM-SAND, little silt, fairly well sorted, loose, tan to medium brown	600.8	GROUT	4SS		8	0.0
10.0	SM/ML-SAND and SILT, trace to little clay, very fine grained, loose, wet, tan	596.8		5SS		5	0.0
	CL-CLAY, some silt, trace sand, stiff, medium brown, mottled red zones			6SS		5	0.0
12.5	- moist, soft	593.8					
	ML-SILT, some clay, little sand, medium brown, mottled red zones, wet	592.8	2"Ø SPLIT SPOON	7SS		5	0.0
15.0	CL-CLAY, trace silt, stiff, rolls easily, medium brown	591.8					
	END OF HOLE @ 14.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH107-98
DATE COMPLETED: JANUARY 13, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	607.0					
	TOPSOIL, silt, little sand, little clay, loose, dark brown, damp	606.6		1SS		4	0.0
2.5	SM-SAND, little silt, fairly well sorted, fine grained, loose, dark brown, damp	604.6		2SS		7	0.0
	SM-SAND, little silt, fairly well sorted, very fine grained, loose, medium brown (tan) damp	603.0		3SS		8	0.0
5.0	- some silt, moist						
	CL-CLAY (TILL), some silt, trace sand, firm, near PL, P.P. 2-2.5 t/ft^2, medium brown						
	- moist	600.3	8"Ø BOREHOLE	4SS		7	0.0
7.5	ML-SILT, some clay, little sand, very fine grained, medium brown (tan) mottled grey, wet			5SS		12	0.0
10.0	- damp - wet			6SS		7	0.0
	CL-CLAY, little silt, very soft, sticky, above P.L., wet, grey	596.0		7SS		3	0.0
12.5	- moist, very soft, sticky						
	- wet		GROUT	8SS		1	0.0
15.0				9SS		2	0.0
17.5				10SS		2	0.0
	- moist, soft						
20.0	- wet, very soft						
	- moist, soft, near P.L.		2"Ø SPLIT SPOON	11SS		3	0.0
22.5	END OF HOLE @ 22.0ft BGS	585.0					
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH108-98
DATE COMPLETED: JANUARY 13, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.9					
	TOPSOIL, silt, some sand, little clay, loose, damp, dark brown	601.6					
	GRAVEL, some silt, little clay, medium coarse, 1"Ø and less	600.9		1SS		13	0.0
2.5	SM-SAND, some silt, little clay, poorly graded, fine grained, loose, dark brown	598.9	▽	2SS		6	0.0
	CL-CLAY, some silt, near P.L., moist, greyish brown	598.6	8"Ø BOREHOLE				
5.0	SM-SAND, little silt, fairly well sorted, fine grained, wet, medium brown (tan)	598.3		3SS		7	0.0
7.5	ML-SILT, little clay, trace sand, moist, medium brown (tan)	597.9		4SS		8	0.0
	CL-CLAY (TILL), little silt, near P.L., medium brown with mottled red and grey zones		GROUT				
10.0	- wet, soft	592.6		5SS		5	0.0
	- firm		2"Ø SPLIT SPOON				
	CL-CLAY, little silt, firm, moist, grey, near P.L., mottled with red zones	589.9		6SS		8	0.0
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH109-98
DATE COMPLETED: JANUARY 13, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	802.6					
	TOPSOIL, silt, some sand, little clay, loose, damp, dark brown, roots	802.3		1SS		10	0.0
2.5	ML-SILT (FILL), some clay, trace sand, near P.L., medium brown, black/ brown spots	800.6		2SS		13	0.0
	SM-SAND, little silt, trace clay, loose, medium brown, damp	799.1	8"Ø BOREHOLE	3SS		18	0.0
5.0	ML-SILT, little sand, trace clay, very stiff, P.P. >4.5, dark grey to black (very compact)	798.1 798.0		4SS		4	0.0
	SM- SAND, trace silt, poorly graded, fine grained, loose, light grey	796.3 796.1		5SS		4	0.0
7.5	ML-SILT, some clay, some sand, firm, dark brownish black	794.8	GROUT	6SS		7	0.0
	- silt and clay	794.6 793.8					
10.0	ML-SILT, some clay, little sand, firm, moist, grey	793.3					
	SM-SAND, some silt, little clay, fine grained, wet, grey		2"Ø SPLIT SPOON				
12.5	CL-CLAY, little silt, firm, damp, medium brown mottled with reddish zones	790.6					
	SM-SAND, little silt, fine grained, loose, dark grey, wet						
15.0	ML-SILT, little sand, little clay, wet, medium grey						
17.5	CL-CLAY, little silt, trace sand, moist to damp, firm, near P.L., medium brown mottled with reddish zones and grey zones						
	END OF HOLE @ 12.0ft BGS						
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-11)

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH110-98
DATE COMPLETED: JANUARY 13, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	600.7					
	TOPSOIL, silt, little clay, trace sand, loose, dark brown, roots	600.5		1SS		14	0.0
2.5	SM-SAND, some silt, little to trace clay, medium brown	598.7					
	ML-SILT, some sand, little clay, firm, medium brown mottled red brown patches, moist	598.4		2SS		13	0.0
5.0	SM-SAND, some silt, little clay, fine grained, wet, medium brown	598.0	8"Ø BOREHOLE	3SS		15	0.0
	GW-GRAVEL, little sand, trace silt, trace clay, gravel >2"Ø, wet	594.7		4SS		21	0.0
7.5	– petroleum odor, wet (lots of water)		GROUT				
	ML-SILT, oily sludge, black, fine grained, strong petroleum odor	591.7		5SS		5	0.0
10.0	ML/CL-SILT and CLAY, stiff, medium brown (tan) mottled with red zones		2"Ø SPLIT SPOON	6SS		7	0.0
12.5	END OF HOLE @ 12.0ft BGS	588.7					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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Page 1 of

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH111-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	602.7					
	TOPSOIL, sand, little silt, trace clay, fine grained, loose, damp, dark brown	602.4					
-2.5	SM-SAND, little silt, fine grained, loose to medium dense, medium to dark brown	600.7		1GP		--	0.0
	ML-SILT, trace sand, firm, medium brown	600.5					
-5.0	SM-SAND, trace silt, poorly graded, medium dense, medium brown	597.7	2" @ BOREHOLE				
	ML/SM-SILT AND SAND, very fine grained, poorly graded, medium dense, dark brown with red zones, damp	597.0		2GP		--	0.0
-7.5	ML/CL-CLAY AND SILT (TILL), firm, light gray with red zones, damp	595.0	GROUT				
	SM-SAND, little silt, loose, wet to very wet, gray	594.4					
-10.0	ML-SILT, trace sand, little clay, firm, gray, reddish zones, wet	592.7		3GP		--	0.0
	CL-CLAY, rolls easily near PL, soft, gray	591.7					
-12.5	ML/CL-SILT AND CLAY, firm, red nodules in gray	590.7					
	END OF HOLE @ 12.0ft BGS						
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH112-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	602.4					
	TOPSOIL, sand, little silt, trace clay, loose, dark brown, rootlets, damp	602.1					
2.5	SM-SAND, little silt, trace clay, fine grained, loose, poorly graded, medium brown, damp	599.4		1GP		--	0.0
	ML-SILT, little sand, trace to some clay, stiff, light brown to gray	598.4	2¼"Ø BOREHOLE				
5.0	SM-SAND, little silt, fine grained, loose, medium brown	598.2					
	SM-SAND, little silt, fine grained, medium dense, dark brown with reddish zones			2GP		--	0.0
7.5		594.9					
	SM-SAND, little silt, trace clay, fine grained, gray-brown with red zones, moist to wet	594.4	GROUT				
10.0	SM-SAND, little silt, trace clay, fine grained, medium dense, medium gray, wet, with sheen, strong petroleum odor	592.4		(3GP)		--	0.0
	ML/CL-SILT AND CLAY, trace sand, firm, medium gray, wet to moist	590.4					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS (oval)

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH113-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	603.7					
	TOPSOIL, sand, little silt, trace clay, loose, dark brown, damp	603.4					
-2.5	SM-SAND, little silt, trace clay, fine grained, loose to medium dense, poorly graded, dark brown, medium brown, little light gray (mix)			1GP		--	0.0
	SM-SAND, trace silt, fine grained, poorly graded, loose, tan, (beach sand)	600.0	2"ø BOREHOLE				
-5.0	- medium brown			2GP		--	0.0
	SM-SAND, some silt, little clay, fine grained, poorly graded, medium dense, medium brown	597.7					
-7.5	ML-SILT, little clay, trace sand, dense, dark brown	596.7 596.5	GROUT				
	SM-SAND, trace to little silt, fine grained, poorly graded, grayish brown with red zones	594.2					
-10.0	- wet			3GP		--	0.0
	CL-CLAY, some silt, firm to stiff, near PL, gray with reddish zones, moist to damp	591.7					
-12.5	END OF HOLE @ 12.0ft BGS						
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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Page 1 of 1

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH114-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	603.0					
0	TOPSOIL, sand, some silt, trace clay, loose, dark brown, damp, roots	602.5					
	ML-SILT, little sand, little clay, trace gravel, stiff, medium brown	602.0		1GP		--	0.0
2.5	SM-SAND, trace to little silt, trace clay, fine grained, poorly graded, medium dense, tan color intermixed with dark brown layers, damp, (beach sand)	598.0	2¼"ø BOREHOLE				
5.0	ML-SILT, little sand, very fine grained, at PL, black	597.0		2GP		--	0.0
	SM-SAND, little silt, fine grained, medium dense, gray, damp	596.5					
7.5	ML-SILT, some sand, trace clay, firm, moist, gray with reddish zones	595.5	GROUT				
	SM-SAND, little silt, medium grained, wet	594.7		3GP		--	0.0
10.0	CL/ML-CLAY AND SILT, little sand, stiff, moist to damp, grayish brown with red zones	591.0					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH115-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	603.9					
	TOPSOIL, sand, some silt, trace clay, trace gravel, loose, dark brown, rootlets	603.7					
	SM-SAND, some silt, trace clay, loose, medium brown	602.7		1GP		--	0.0
2.5	SM-SAND, trace silt, fine grained, poorly graded, tan (beach sand)						
	- dark brown		2" Ø BOREHOLE				
5.0	CL-CLAY, some silt, trace sand, near PL, firm, medium brown	598.9					
	ML-SILT, little clay, some sand, fine grained, firm, gray, damp	597.9		2GP		--	0.0
7.5	- black	596.2	GROUT				
	SM/ML-SAND AND SILT, trace to little clay, very fine grained, firm, gray, wet, strong petroleum odor, sheen on water						
10.0	CL-CLAY, little silt, stiff, gray, petroleum odor	593.7		3GP		--	0.0
	END OF HOLE @ 12.0ft BGS	591.9					
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH116-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	604.0					
0	TOPSOIL, sand, some silt, trace clay, loose, dark brown, rootlets	603.8					
	SM-SAND, some silt, little gravel, medium brown	603.3					
2.5	SM-SAND, little silt, trace clay, medium dense, fine grained, tan (beach sand), layered with dark brown sand			1GP		--	0.0
5.0			2¼"Ø BOREHOLE				
	ML-SILT (TILL), some clay, little sand, stiff, grayish brown	598.0		2GP		--	0.0
7.5	ML-SILT, little sand, trace clay, firm, black	597.5					
	SM-SAND, little silt, trace clay, fine grained, medium dense, gray, wet, strong petroleum odor, sheen	597.3	GROUT				
10.0	CL-CLAY, little silt, stiff, moist to damp, grayish brown with reddish zones, slight petroleum odor	594.0		3GP		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	592.0					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH117-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	599.9					
0	TOPSOIL, sand, some silt, trace clay, loose, dark brown, damp	599.7					
	ML-SILT, little sand, trace clay, near PL, firm, medium brown	599.2		1GP		--	0.0
2.5	SM-SAND (FILL), little silt, trace clay, fine grained, medium dense, medium brown	596.6	▽				
	ML/SM-SILT AND SAND (FILL), stiff, fine grained, medium brown	596.2	2"Ø BOREHOLE				
5.0				2GP		--	0.0
	ML/CL-SILT AND CLAY, little very fine grained sand, little gravel, loose, black, wet, very strong odor, pond sediments						
7.5	- refusal offset 4'		GROUT				
10.0				3GP		--	0.0
		588.4					
	CL-CLAY, sticky, gray, wet	587.9					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH118-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.1					
	TOPSOIL, sand, some silt, little clay, loose, dark brown, damp roots	600.8					
	SM-SAND, little silt, trace clay, loose, medium brown	599.6					
2.5	ML-SILT, little sand, little clay, stiff, medium brown	597.4		1GP		--	0.0
5.0	ML/GW-SILT AND GRAVEL, some asphalt and concrete size >2", black, wet, strong odor and sheen, pond sediment and fill, refusal/hard to drill through, offset several times (4'-6')		2"Ø BOREHOLE	2GP		--	0.0
7.5		593.1	GROUT				
	ML-SILT, little clay, trace sand, little gravel soft, black, wet, strong odor and sheen, pond sediment	591.6					
10.0	CL-CLAY, little silt, moist to damp, gray, stiff			3GP		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	589.1					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH119-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.3					
0	SM-SAND, little silt, trace gravel, slag, fragments of glass, fine grained, poorly graded, rust-black, moist			1SS		--	4.0
2.5		606.3					
	SC-SAND, some clay, trace silt, fine grained, poorly graded, light brown, moist		2"Ø BOREHOLE	2SS		--	2.8
	- some concrete fragments	604.8					
5.0	SM-SAND, some silt, fine grained, poorly graded, dark gray, moist	604.3					
	CL-CLAY, some silt, trace sand, low plasticity, brown-gray, moist		BENTONITE CHIPS	3SS		--	1.4
7.5							
10.0				4SS		--	0.0
	- sand, fine grained, poorly graded, 1"-2" seam						
12.5	END OF HOLE @ 12.0ft BGS	597.3					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH120-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.6					
0	SM-SAND, little silt, trace gravel, slag, fragments of rubber, and concrete, fine grained, poorly graded, rust-black, moist			1SS		--	1.2
2.5	- some silt, trace clay,						
	CL-CLAY, some silt, little fine grained sand, low plasticity, brown, moist	604.6	2"Ø BOREHOLE	2SS		--	0.2
5.0							
7.5			BENTONITE CHIPS	3SS		--	0.0
10.0		598.6					
	SM-SAND, some silt, little clay, fine grained, poorly graded, black- gray, moist to wet	597.6		4SS		--	0.0
	CL-CLAY, trace sand, low plasticity, brown-gray, moist	596.6					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH121-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.3					
2.5	SM-SAND, little silt, trace gravel, slag, pieces of burnt paper, white crystal material, fine grained, poorly graded, rust and black, moist			1SS		--	0.0
	- trace silt	608.3					
5.0	CL-CLAY, little sand, low plasticity, light brown-gray, moist		2"Ø BOREHOLE	2SS		--	0.0
	- sand, little silt, trace gravel, fine grained, poorly graded, rust-black, moist, 1"-2" seam						
7.5	- some silt, trace sand, brown-gray			3SS		--	0.0
	SM-SAND, some silt, fine grained, poorly graded, gray, moist to wet	601.3	BENTONITE CHIPS				
10.0	CL-CLAY, some silt, trace sand, low plasticity, brown-gray, moist	599.3		4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	597.3					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

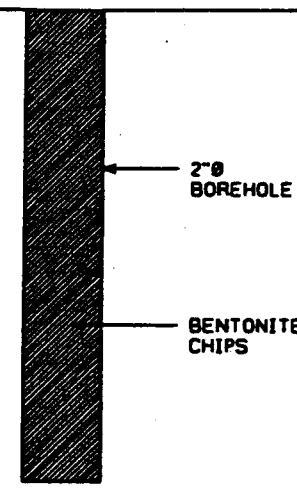
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH122-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	607.8					
0	SM-SAND, little silt, trace gravel, fine grained, poorly graded, rust and black, moist			1SS		--	0.0
2.5	- some silt, trace clay						
5.0	- little silt, trace gravel			2SS		--	0.0
7.5	CL-CLAY, some silt, trace sand, low plasticity, brown-gray, moist	601.3		3SS		--	0.0
	SM-SAND, some silt, fine grained, poorly graded, dark gray, moist	599.8					
10.0	CL-CLAY, some silt, little sand, low plasticity, brown and gray, moist	598.8		4SS		--	0.0
	- trace silt and sand, gray						
12.5	END OF HOLE @ 12.0ft BGS	595.8					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							



NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH123-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.4					
2.5	SM-SAND, some silt, trace gravel, slag, fragments of glass, fine grained, poorly graded, rust-black, moist			1SS		--	0.0
		605.4	2"Ø BOREHOLE				
5.0	CL-CLAY, some sand, low plasticity, gray-brown, moist			2SS		--	0.0
		603.4					
7.5	ML-SILT, trace clay and fragments of concrete, poorly graded, gray, moist	602.4		3SS		--	0.0
	CL-CLAY, little sand, low plasticity, dark gray, wet to moist		BENTONITE CHIPS				
10.0				4SS		--	0.0
		597.4					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH124-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.8					
0	SM-SAND, some silt, trace gravel, fragments of concrete, fine grained, poorly graded, rust-black, moist			1SS		--	0.0
2.5							
		605.8					
5.0	CL-CLAY, little sand, trace silt, low plasticity, gray-brown, moist	604.8	2"Ø BOREHOLE	2SS		--	0.0
	SP-SAND, fragments of concrete, fine grained, poorly graded, brown, moist to wet						
7.5				3SS		--	0.0
		601.8	BENTONITE CHIPS				
	CL-CLAY, trace sand, low plasticity, olive-gray, moist						
10.0				4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	597.8					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH125-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.6					
2.5	SM-SAND, little silt, trace gravel, slag, fragments of glass and concrete, pieces of crystal material, fine grained, poorly graded, rust-black, moist			1SS		--	0.0
		605.1					
	ML-SILT, little clay, poorly graded, light brown, moist	604.1	2"Ø BOREHOLE	2SS		--	0.0
5.0	SM-SAND, some silt, fine grained, poorly graded, blueish gray and brown, moist	603.1					
	CL-CLAY, little silt, trace sand, low plasticity, light brown, moist			3SS		--	0.0
7.5		600.6	BENTONITE CHIPS				
	ML-SILT, some sand, light brown, wet						
10.0				4SS		--	0.0
		596.6					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE: REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH126-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.8					
0	SM-SAND, little silt, trace gravel and slag, fine grained, poorly graded, rust-black, moist to wet			1SS		--	0.0
2.5							
5.0			2"Ø BOREHOLE	2SS		--	0.0
7.5				3SS		--	0.0
10.0			BENTONITE CHIPS	4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	597.8					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH127-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	609.8					
0	SM-SAND, little silt, trace gravel and slag, rust-black, moist			1SS		--	0.0
		607.8					
2.5	CL-CLAY, little silt, trace sand, low plasticity, olive-gray and brown, moist						
		605.8	2"Ø BOREHOLE	2SS		--	0.0
5.0	SM-SAND, little silt, trace gravel, slag and fragments of concrete, fine grained, poorly graded, rust-black, moist	604.8					
	ML-SILT, little clay, poorly graded, gray to dark gray, moist			3SS		--	0.0
7.5		601.8	BENTONITE CHIPS				
	CL-CLAY, little silt, low plasticity, olive gray to dark gray, moist						
10.0				4SS		--	0.0
		597.8					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH128-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.3					
0	SM-SAND, little silt, trace gravel, slag, fine grained, poorly graded, rust-black, moist						
	- trace fragments of concrete, brown			1SS		--	0.0
2.5							
5.0			2"Ø BOREHOLE	2SS		--	0.0
	CL-CLAY, trace silt and sand, low plasticity, olive gray to dark gray, moist	602.8					
7.5		600.8		3SS		--	0.0
	SM-SAND, little silt, trace gravel, fine grained, poorly graded, rust-black, moist	600.3	BENTONITE CHIPS				
	CL-CLAY, trace sand, low plasticity, gray to dark gray, moist						
10.0				4SS		--	0.0
	END OF HOLE @ 12.0ft BGS	596.3					
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH129-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.6					
0	SM-SAND, little silt, trace gravel, slag, copper wire and concrete, fine grained, poorly graded, rust-black, moist			1SS		--	0.0
2.5	- some silt		2"Ø BOREHOLE				
5.0	- slight petroleum-like odor			2SS		--	0.0
	CL-CLAY, trace sand, low plasticity, olive gray, moist	602.6					
7.5			BENTONITE CHIPS	3SS		--	0.0
	SM-SAND, some silt, fine grained, poorly graded, dark gray, moist	600.6					
	ML-SILT, trace sand, poorly graded, dark gray, moist	599.6					
10.0				4SS		--	0.0
	END OF HOLE @ 12.0ft BGS	596.6					
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH130-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	607.8					
0	SM-SAND, little silt, trace gravel, slag, fragments of glass and concrete, fine grained, poorly graded, rust-black, moist			1SS		--	0.8
2.5		604.3					
	CL-CLAY, some silt, trace sand, low plasticity, olive-gray, 1-2" seam		2"Ø BOREHOLE	2SS		--	17.6
5.0							
7.5		600.8					
	ML-SILT, trace sand, poorly graded, olive gray to dark gray, moist, petroleum-like odor	600.3	BENTONITE CHIPS	3SS		--	8.4
	SM-SAND, little silt, fine grained, poorly graded, dark gray, wet						
10.0				4SS		--	34.2
12.5							
	CL-CLAY, low plasticity, olive gray to light gray, moist	594.3		5SS		--	1.2
15.0							
	END OF HOLE @ 16.0ft BGS	591.8					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH131-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.7					
2.5	SM-SAND, some silt, trace gravel, slag, fragments of glass, wood and concrete, fine grained, poorly graded, rust-black, moist			1SS		--	0.2
		605.2					
5.0	CL-CLAY, little silt, trace sand, low plasticity, olive gray to dark gray, moist	604.7	2"Ø BOREHOLE	2SS		--	1.4
	ML-SILT, little clay, trace sand, poorly graded, olive gray to dark gray, moist						
7.5	- some sand			3SS		--	0.4
		600.7	BENTONITE CHIPS				
10.0	SM-SAND, some silt, fine grained, poorly graded			4SS		--	0.0
12.5							
15.0							
		591.7					
17.5	END OF HOLE @ 17.0ft BGS						
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH132-98
DATE COMPLETED: JUNE 2, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.6					
2.5	SM-SAND, little silt, trace gravel, slag, fragments of glass and concrete, fine grained, poorly graded, blackish/brown-rust	604.1		1SS		--	0.0
	ML-SILT, little clay, poorly graded, olive gray to dark gray, moist	602.6	2"Ø BOREHOLE				
5.0	CL-CLAY, little silt, low plasticity, olive gray to dark gray, moist			2SS		--	0.0
7.5		598.6	BENTONITE CHIPS	3SS		--	0.0
	ML-SILT, little clay, poorly graded, olive gray to dark gray, moist	597.6					
10.0	CL-CLAY, little silt, low plasticity, olive gray to dark gray, moist			4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	594.6					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH133-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.6					
	ML-SILT, trace sand and gravel, black, moist, slight cresode-like odor	607.1		1SS		--	0.0
2.5	CL-CLAY, trace silt, low plasticity, black, moist, slight cresode-like odor	606.6					
	GW-GRAVEL, little sand, well graded, black, wet to moist, slight cresode-like odor odor	605.1	2"Ø BOREHOLE	2SS		--	0.0
5.0	CL-CLAY, low plasticity, olive gray, moist, creosote odor	604.6					
	GW-GRAVEL, little sand, well graded, black, wet to moist	603.6		3SS		--	0.0
7.5	CL-CLAY, low plasticity, olive gray, moist	602.1	BENTONITE CHIPS				
	ML-SILT, trace sand, poorly graded, greenish to light gray, moist to wet						
10.0	CL-CLAY, low plasticity, yellowish-orange, moist	598.6		4SS		--	0.0
	- gray	596.6					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH134-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	608.2					
2.5	SM-SAND, little silt, trace gravel, fragments of concrete, fine grained, poorly graded, brown, moist	607.2		1SS		--	0.0
	ML-SILT, some sand, poorly graded, yellowish brown, moist	605.7					
5.0	SP-SAND, trace gravel, medium grained, poorly graded, black and rust, moist - yellowish-brown	604.7	2"Ø BOREHOLE	2SS		--	0.0
	ML-SILT, trace clay, poorly graded, light gray, moist	601.2					
7.5	SM-SAND, trace silt, fine grained, poorly graded, light gray-black, moist		BENTONITE CHIPS	3SS		--	0.0
10.0	CL-CLAY, little silt, low plasticity, light greenish gray, moist	599.2		4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	598.2					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH135-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.1					
2.5	SM-SAND, some silt, trace slag, fragments of concrete, fine grained, poorly graded, yellowish brown, moist - little silt, trace gravel			1SS		--	0.0
5.0	CL-CLAY, trace silt and sand, low plasticity, light gray to greenish gray, moist	602.6	2"Ø BOREHOLE	2SS		--	0.0
7.5	SP-SAND, trace silt and clay, fine grained, poorly graded, light gray, moist	600.1	BENTONITE CHIPS	3SS		--	0.0
10.0	CL-CLAY, trace silt and sand, low plasticity, yellowish orange to light gray, moist	598.1		4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	594.1					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▽
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH136-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.8					
0	SM-SAND, little silt, trace gravel, fragments of concrete, fine grained, poorly graded, yellowish brown, moist			1SS		--	0.0
2.5	- rust-brown - yellowish-brown		2"Ø BOREHOLE	2SS		--	0.0
5.0	ML-SILT, trace sand, poorly graded, light gray, moist	600.3					
7.5	- black		BENTONITE CHIPS	3SS		--	0.0
	SM-SAND, some silt, fine grained, poorly graded, light gray, wet	597.8					
10.0				4SS		--	0.0
	CL-CLAY, trace silt and sand, low plasticity, light gray, moist	594.8					
12.5	END OF HOLE @ 12.0ft BGS	593.8					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH137-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	608.0					
0	SM-SAND, little silt and gravel, trace fragments of slag, brick and concrete, fine grained, poorly graded, brown-rust, moist			1SS		--	0.0
2.5							
4.0		604.0	2"Ø BOREHOLE				
5.0	ML-SILT, trace clay and fragments of reddish brick, poorly graded, light gray, moist			2SS		--	0.0
6.5		601.5					
7.0	CL-CLAY, trace silt, low plasticity, light gray, moist	601.0		3SS		--	0.0
7.5	SM-SAND, some silt, poorly graded, fine grained, brown, wet		BENTONITE CHIPS				
10.0	- light gray			4SS		--	0.0
10.5		597.5					
12.0	CL-CLAY, trace silt, low plasticity, gray-brown, mottled, moist						
12.5	END OF HOLE @ 12.0ft BGS	596.0					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH138-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.7					
0	SM-SAND, little silt, trace gravel and fragments of reddish brick, fine grained, poorly graded, dark brown, moist		2"Ø BOREHOLE				
2.5	- trace fragments of concrete			1SS		--	0.0
	- trace silt, yellowish-orange		BENTONITE CHIPS				
	- concrete obstruction offset	602.7		2SS		--	0.0
5.0	END OF HOLE @ 4.0ft BGS						
7.5				3SS		--	0.0
10.0				4SS		--	0.0
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH138A-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.00					
	SM-SAND, trace clay, gravel and fragments of concrete, fine grained, poorly graded, yellowish brown, moist			1SS		--	0.0
2.5							
5.0	- trace silt, rust-brown		2"Ø BOREHOLE	2SS		--	0.0
		-6.5					
7.5	CL-CLAY, trace silt and gravel, low plasticity, yellowish orange with red swirl, moist	-7.5		3SS		--	0.0
	ML-SILT, trace sand, poorly graded, black, moist	-8.0	BENTONITE CHIPS				
10.0	SP-SAND, trace silt and gravel, fine grained, poorly graded, light gray, wet	-10.0		4SS		--	0.0
	CL-CLAY, some sand, low plasticity, light gray, moist						
12.5	- trace silt and sand	-12.0					
	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH139-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.00					
2.5	SM-SAND, little silt, trace gravel, slag, fragments of concrete and wood, fine grained, poorly graded, rust-black, moist			1SS		--	0.0
5.0	ML-SILT, little sand and clay, poorly graded, yellowish orange, moist	-4.0	2"Ø BOREHOLE	2SS		--	0.0
7.5	SP-SAND, trace silt, fine grained, poorly graded, yellowish orange, moist	-6.0 -6.5		3SS		--	0.0
10.0	SM-SAND, little silt, trace gravel, slag, fragments of concrete and wood, fine grained, poorly graded, rust-black, moist	-8.0 -8.5	BENTONITE CHIPS	4SS		--	0.0
12.5	CL-CLAY, little silt, low plasticity, light gray, moist	-9.0 -9.5 -10.5					
15.0	SM-SAND, little silt, trace gravel, slag, fragments of concrete and fine grained, poorly graded, rust and black, moist	-12.0					
17.5	SP-SAND, trace silt, fine grained, poorly graded, yellowish orange, moist						
20.0	ML-SILT, some sand, poorly graded, black, moist to wet						
22.5	SM-SAND, some silt, fine grained, poorly graded, light gray, wet						
25.0	END OF HOLE @ 12.0ft BGS						
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH140-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.6					
2.5	SM-SAND, trace silt, fine grained, poorly graded, reddish brown, moist, oxidized - some fragments of concrete			1SS		--	0.0
5.0			2"Ø BOREHOLE	2SS		--	0.0
7.5	- little clay and silt, gray	599.6		3SS		--	0.0
10.0	SP-SAND, trace silt, fine grained, poorly graded, yellowish orange, moist - little gravel - trace gravel	596.6	BENTONITE CHIPS	4SS		--	0.0
12.5	CL-CLAY, trace silt, low plasticity, brownish gray, moist - gray END OF HOLE @ 12.0ft BGS	594.6					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH141-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.5					
0	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown-gray, moist			1SS		--	0.0
2.5							
5.0			2"Ø BOREHOLE	2SS		--	0.0
7.5	- red-orange, wet		BENTONITE CHIPS	3SS		--	0.0
10.0	CL-CLAY, trace silt, low plasticity, olive gray, moist	*597.0*		4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	*594.5*					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH142-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	607.1					
0	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown, moist	606.1					
2.5	CL-CLAY, trace silt, low plasticity, yellowish brown, moist			1SS		--	0.0
5.0	SM-SAND, little silt, trace fragments of concrete, fine grained, poorly graded, yellowish-brown, moist	602.1	2"Ø BOREHOLE	2SS		--	0.0
7.5	ML-SILT, little sand, trace clay, poorly graded, yellowish brown, wet	600.1	BENTONITE CHIPS	3SS		--	0.0
10.0	CL-CLAY, trace silt, low plasticity, olive gray, moist	597.1		4SS		--	0.0
12.5	ML-SILT, little sand, trace clay, poorly graded, yellowish brown, wet	595.6 595.1					
	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH143-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.1					
	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown, moist						
2.5	ML-SILT, some clay, poorly graded, olive gray to red brown, moist	610.1		1SS		--	0.0
5.0	- little sand, yellowish-brown, wet		2"Ø BOREHOLE	2SS		--	0.0
7.5				3SS		--	0.0
	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown, moist 1-2" seam	604.1	BENTONITE CHIPS				
10.0				4SS		--	0.0
	CL-CLAY, trace silt, low plasticity, olive gray, moist	601.6					
12.5	END OF HOLE @ 12.0ft BGS	600.1					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH144-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.8					
	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown, moist	604.8					
-2.5	CL-CLAY, some silt, trace sand, low plasticity, olive gray and reddish brown, moist	602.8		1SS		--	0.0
	ML-SILT, trace sand, poorly graded, yellowish brown, wet		2"Ø BOREHOLE	2SS		--	0.0
-5.0		599.8					
-7.5	CL-CLAY, some silt, low plasticity, gray, moist		BENTONITE CHIPS	3SS		--	0.0
-10.0				4SS		--	0.0
-12.5	END OF HOLE @ 12.0ft BGS	593.8					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH145-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.9					
0	SM-SAND, little silt, fine grained, poorly graded, dark brown with yellow seams			1SS		--	0.0
2.5							
5.0	CL-CLAY, trace silt, low plasticity, gray with red swirls, moist	602.9	2"Ø BOREHOLE	2SS		--	0.0
7.5			BENTONITE CHIPS	3SS		--	0.0
10.0	- olive brown-gray, mottled			4SS		--	0.0
12.5	END OF HOLE @ 12.0ft BGS	594.9					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH146-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.00					
	SM-SAND, some silt, fine grained, poorly graded, light gray, moist		2"Ø BOREHOLE				
-2.5	CL-CLAY, little silt, low plasticity, gray, moist	-2.5	BENTONITE CHIPS	ISS		--	0.0
	END OF HOLE @ 4.0ft BGS	-4.0					
-5.0							
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH147-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.9					
0	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown with brown bands, moist			1SS		--	0.0
2.5							
5.0			2"Ø BOREHOLE	2SS		--	0.0
7.5	- black			3SS		--	0.0
	ML-SILT, trace clay and sand, poorly graded, black	597.9	BENTONITE CHIPS				
10.0	- blueish gray	595.9		4SS		--	0.0
	SM-SAND, little silt, fine grained, poorly graded, olive gray, moist	595.4					
12.5	CL-CLAY, trace silt, low plasticity, gray and olive brown mottled, moist						
	- oil sheen and petroleum-like odor			5SS		--	0.0
	- no oil sheen or petroleum-like odor						
15.0							
	END OF HOLE @ 16.0ft BGS	589.9					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10238
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH148-98
DATE COMPLETED: JUNE 3, 1998
DRILLING METHOD: 2"Ø DIRECT PUSH
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.4					
	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown to brown, moist						
	– trace fragments of concrete	603.9		1SS		--	0.0
		603.4					
-2.5	ML-SILT, trace sand clay and vegetative material, poorly graded, dark brown, moist	602.4					
	SP-SAND, trace silt, fine grained, poorly graded, yellowish brown, moist		2"Ø BOREHOLE	2SS		--	0.0
-5.0	SM-SAND, some silt, fine grained, poorly graded, dark brown, moist	599.4					
	CL-CLAY, some silt, reddish-darkgray, mottled, moist	598.4		3SS		--	0.0
-7.5	SM-SAND, some silt, fine grained, poorly graded, gray, wet	597.4	BENTONITE CHIPS				
	CL-CLAY, trace silt, low plasticity, gray, moist						
-10.0				4SS		--	0..
	END OF HOLE @ 12.0ft BGS	593.4					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH149-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.00					
2.5	TOPSOIL, coarse gravel, some fine gravel, dry						
	SP-SAND, fine, light brown, dry	-2.0		1DP			4.1
5.0	CL-SILTY CLAY, low plasticity, brown, dry - dark brown, damp - moist to wet - medium plasticity, wet	-4.8	BENTONITE CHIPS 8"Ø BOREHOLE	2DP			4.7
7.5							
	SM-SILTY SAND, fine, light brown, moist - brown, wet	-8.0					
10.0	SC-SILTY SAND, trace clay, fine, brown, wet - damp to dry	-10.0		3DP			5.2
	CL-SILTY CLAY, loose, brown, damp to dry	-11.6					
12.5	END OF HOLE @ 12.0ft BGS	-12.0					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH150-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	600.4					
2.5	TOPSOIL (FILL), sandy, concrete cobbles, dry, refusal at 4' BGS due to concrete		BENTONITE CHIPS; 6"Ø BOREHOLE	1DP			0.0
		596.4					
5.0	END OF HOLE @ 4.0ft BGS						
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH151-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	600.2					
0	TOPSOIL (FILL), sandy, trace concrete pieces, dry		BENTONITE CHIPS	1DP			0.0
2.5	- trace asphalt material						
5.0	- some trace gravel and silty clay, fine, brown, dry		6"Ø BOREHOLE	2DP			0.0
7.5		592.2					
	END OF HOLE @ 8.0ft BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH152-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.8					
	TOPSOIL, light brown sands, trace gravel, dry						
		599.8	BENTONITE CHIPS	1DP			1.8
2.5	GC-CLAYEY GRAVEL, silty brown clay, trace sands and asphalt, dry	598.8					
	CL-SILTY CLAY, sands mixed in, brown, dry	597.8	6"Ø BOREHOLE				
5.0	SM-SILTY SANDS, fine, loose, brown, moist	596.8	▽				
	PT-SILTY CLAY, sand mixed in, loose, petroleum odor, black, wet	595.8		2DP			4.1
7.5	CH-SILTY CLAY, plastic, brownish gray, wet to moist at 7'	594.8					
	CL-SILTY CLAY, compact, firm, grayish brown, dry	593.8					
10.0	END OF HOLE @ 8.0ft BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH153-99
DATE COMPLETED: AUGUST 18, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.00					
	TOPSOIL, trace gravel and fine sands, light brown, dry						
2.5	SP-SAND, medium, poor graded, brown, dry	-2.0	BENTONITE CHIPS	1DP			0.0
	- moist		8"Ø BOREHOLE				
5.0							
	CL-SILTY CLAY, medium plasticity, brown, wet	-6.0	▽	2DP			0.0
7.5							
	CH-SILTY CLAY, high plasticity, brown, wet	-8.0					
10.0				3DP			0.0
	CL-CLAY, firm, gray, moist to dry	-11.0					
12.5	END OF HOLE @ 12.0ft BGS	-12.0					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH155-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
2.5	SM-SILTY SAND, fine grained, dark brown, dry - light brown - dark brown		BENTONITE	1GP			1.2
		-3.2					
	CL-CLAY, compact, medium plasticity, dark brown, dry	-4.0					
5.0	CL-SILTY CLAY, dark brown, dry - with light brown sand - coarse grained sand, loose, dense			2GP			2.8 3.8 2.8
7.5	- fine grained sand, low plasticity, gray, petroleum odor		2" Ø BOREHOLE				
10.0	CL-SANDY SILTY CLAY, gray, wet, petroleum odor	-10.0		3GP			273 180
		-12.0					
12.5	END OF HOLE @ 12.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH156-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
	TOPOIL-SAND, light brown						
		-2.0		1GP			0.0
2.5	CL-CLAY, compact, dark brown, dry						1.8
		-3.0	BENTONITE				
	SP-SAND, fine grained, light brown, dry						
		-4.0					
	CL-SILTY CLAY, loose, fine grained, dark brown, dry						
5.0				2GP			2.1
7.5							
		-8.0					
	SP-SAND, coarse grained, light brown, moist						
		-9.0	2" Ø BOREHOLE				
	CL-CLAY, compact, low plasticity, gray, moist						
10.0	- smooth, high plasticity, gray to brown			3GP			10.3
	- moist to wet						27
	- medium plasticity, brown, moist, iron streaks, some gray mottling						
12.5							
				4GP			0.9
15.0	- moist to wet						
		-16.0					
	END OF HOLE @ 16.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH157-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
	TOPSOIL-SAND, loose, fine grained, light brown, dry						
		-2.0		1GP			0.9
2.5	CL-SILTY CLAY, some sand, loose, dark brown, dry		BENTONITE				1.2
	- light brown						
5.0				2GP			2.1
							22
7.5		-8.0					
	SM-SILTY SAND, loose, gray, damp, odor		2" Ø BOREHOLE				
10.0	- with gray clay, wet, odor		▽	3GP			78.2
							57.1
		-12.0					
12.5	CL-SANDY SILTY CLAY, gray, wet						
		-14.0		4GP			16.1
15.0	CL-CLAY, smooth, plastic, brown with gray mottling, damp						1.2
		-16.0					
	END OF HOLE @ 16.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH158-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
2.5	TOPSOIL-SAND, loose, light brown and dark brown sand, dry		BENTONITE	1GP			0.0
5.0	SP-SAND, loose, fine grained, light brown and dark brown, dry	-4.0					
7.5	CL-SILTY CLAY, some sand, loose, dark brown, dry	-6.0		2GP			1.3
10.0	CL-CLAY, smooth, firm, brown, mottling, dry	-9.0	2" Ø BOREHOLE	3GP			1.1
12.5	- damp - compact, gray brown - damp to wet		▽	4GP			0.9
15.0							
	END OF HOLE @ 16.0ft BGS	-16.0					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH159-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
2.5	TOPSOIL-CLAY, dark brown, dry			1GP			0.0 0.6
		-3.0	BENTONITE				
5.0	CL-SILTY CLAY, sand, light brown, dry - loose, dark brown			2GP			1.2 2.6
7.5		-8.0					
10.0	CL-CLAY, compact, firm, gray, dry - moist		2" Ø BOREHOLE	3GP			12.8 6.8
12.5	- smooth, plastic, brownish gray, moist to wet			4GP			
15.0		-16.0					
	END OF HOLE @ 16.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH160-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
	TOPSOIL	-.5					
	CL-CLAY, some fine sand, loose, dark brown, dry			1GP			0.1 0.1
2.5			BENTONITE				
5.0							
	- light brown, iron staining			2GP			1.8 1.8
7.5	- medium plasticity						
			2" Ø BOREHOLE				
10.0	- smooth, plastic			3GP			1.9 3.9
	- sticky, high plasticity, brown, moist						
12.5							
				4GP			0.9
15.0							
	- smooth, wet		▽				
17.5				5GP			0.0
20.0	END OF HOLE @ 20.0ft BGS	-20.0					
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH161-99
DATE COMPLETED: NOVEMBER 23, 1999
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	0.0					
	TOPSOIL	-.5					
	SP-SAND, loose, fine grained, light brown mixed with dark brown, dry			1GP			0.1 1.2
2.5			BENTONITE				
5.0	CL-CLAY, compact, firm, brown with iron streaking, dry	-5.0		2GP			0.9 1.6
7.5			2" Ø BOREHOLE				
10.0	- sticky, soft, brown and gray mixed, iron streaking			3GP			3.2 3.9
12.5	- smooth, soft, high plasticity, brown, damp			4GP			2.9
15.0							
17.5	- gray, wet			5GP			1.3 0.9
20.0	END OF HOLE @ 20.0ft BGS	-20.0					
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH162-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.6					
	TOPSOIL	*605.1*					
	SM-SAND, some silt, trace gravel, medium dense, fine grained, poorly graded, dark brown, moist	*602.9*	BENTONITE	1GP			0
2.5	ML-SILT, trace sand, medium dense, brown, moist	*602.6*					
5.0	SP-SAND, trace silt, medium dense, fine grained, poorly graded, light brown, moist		2" Ø BOREHOLE	2GP			0
7.5	END OF HOLE @ 8.0ft BGS	*597.6*					
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH163-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	603.2					
	TOPSOIL	*602.7*					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, gray, moist	*601.2*	BENTONITE	1GP			0
2.5	SP-SAND, trace silt, medium dense, fine grained, poorly graded, light brown, moist						
5.0		*598.2*	2" Ø BOREHOLE	2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist						
7.5		*595.2*					
	END OF HOLE @ 8.0ft BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH164-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	602.5					
	TOPSOIL	*601.5*					
-2.5	SM-SAND, some silt, medium dense, fine grained, poorly graded, gray, moist - little to with silt, brown		BENTONITE	1GP			0
-5.0	- dark brown		2" Ø BOREHOLE	2GP			0
		596.0					
-7.5	ML-SILT, with clay, trace sand, medium dense, medium plasticity, gray, moist	*594.5*					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH165-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	599.9					
	TOPSOIL	*599.4*					
	ML-SILT, trace fine sand, trace clay, rootlets, medium dense, brown to dark brown, moist		BENTONITE	IGP			0
-2.5							
-5.0		*594.4*	2" Ø BOREHOLE	2GP			0
	SP-SAND, little to some silt, medium dense, fine grained, poorly graded, brown, very moist to wet	*592.9*					
-7.5	CL-CLAY, little silt, firm, medium dense, gray, very moist	*591.9*					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH166-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.6					
	TOPSOIL	601.1					
	SM-SAND, some silt, trace clay, medium dense, fine grained, poorly graded, brown to dark brown, moist		BENTONITE	1GP			0
2.5		598.6					
	ML/CL-SILT and CLAY, trace fine sand, medium dense, low plasticity, brown, moist						
		597.1	2" Ø BOREHOLE				
5.0	ML-SILT, trace fine sand, trace clay, rootlets, medium dense, dark brown, moist			2GP			0
		594.6					
7.5	SM-SAND, some silt, trace clay, rootlets, medium dense, fine grained, poorly graded, brown/gray, very moist	593.6					
	END OF HOLE @ 8.0ft BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH167-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.8					
	TOPSOIL	*604.8*					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, dark brown, moist		BENTONITE	1GP			0
-2.5		*602.8*					
	SP-SAND, little to some silt, medium dense, fine grained, poorly graded, brown, moist	*601.8*					
-5.0	CL-CLAY, little to some silt, firm, low plasticity, brown, moist		2" Ø BOREHOLE	2GP			0
		599.3					
-7.5	SP-SAND, little silt, medium dense, fine grained, poorly graded, brown, wet	*598.3*					
	CL-CLAY, little silt, firm, low plasticity, brown, moist	*597.8*					
-10.0	END OF HOLE @ 8.0ft BGS						
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH168-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.6					
	TOPSOIL	606.1					
	SM-SAND, some silt, trace rootlets, medium dense, fine grained, poorly graded, brown, moist	605.1					
2.5	CL-CLAY, little to some silt, firm, medium plasticity, brown, moist	604.6	BENTONITE	1GP			0
	SP-SAND, trace silt, medium dense, fine grained, poorly graded, rusty color, moist	604.1					
5.0	CL-CLAY, little silt, firm, medium plasticity, brown, moist	603.5					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, dark brown, moist	601.6	2" Ø BOREHOLE	2GP			0
7.5	ML/CL-SILT and CLAY, trace very fine sand, medium dense, low plasticity, oxidized, brown, moist	599.6					
10.0	SM-SAND, some silt, medium dense, fine grained, poorly graded, beige, very moist to wet	598.6					
12.5	END OF HOLE @ 8.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH169-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.3					
	TOPSOIL	*604.8*					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist		BENTONITE	1GP			0
2.5		*602.3*					
	ML-SILT, trace sand, trace clay, medium dense, brown to dark brown, moist						
5.0		*600.3*	2" Ø BOREHOLE				
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown/beige, very moist	*598.8*		2GP			0
7.5	SP-SAND, little silt, medium dense, fine grained, poorly graded, beige, very moist to wet	*597.3*					
	- little clay						
10.0	END OF HOLE @ 8.0ft BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH170-00
DATE COMPLETED: APRIL 11, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.7					
	TOPSOIL	605.2					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist	604.2					
		603.9	BENTONITE	1GP			0
2.5	GW/SW-SAND and GRAVEL, compact, gray, moist	602.7					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist	601.7					
5.0	ML-SILT, trace to little sand, trace clay, compact, brown, moist	600.7	2" Ø BOREHOLE	2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist	598.7					
7.5	ML-SILT, little clay, medium dense, gray-brown, moist	597.7					
10.0	SP-SAND, little silt, medium dense, fine grained, poorly graded, light to dark brown, moist						
	END OF HOLE @ 8.0ft BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-93)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH171-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	598.7					
	TOPSOIL	598.0					
	ML/CL-SILT and CLAY (FILL), trace fine sand, firm, low plasticity, gray/brown, moist	596.7	BENTONITE	1GP			0
2.5	SW/GW-SAND and GRAVEL (FILL), little silt, medium dense, fine to medium grained, well graded, brown, moist, cobbles - pieces of slag		2" Ø BOREHOLE				
5.0		592.7		2GP			0
	SM-SAND, some silt, trace rootlets, medium dense, fine grained, poorly graded, dark brown, moist						
7.5	- very moist to wet						
		589.2					
10.0	SC-SAND, little to some clay, firm, medium plasticity, brown, wet			3GP			0
		587.2					
12.5	CL-CLAY, some silt, firm, low plasticity, brown/gray, moist	585.7					
	END OF HOLE @ 13.0ft BGS						
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-94)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH172-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	604.2					
	TOPSOIL	603.5					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist	602.7	BENTONITE	1GP			0
-2.5	ML/CL-SILT and CLAY, trace fine sand, medium dense, low plasticity, brown, moist	601.2					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown to dark brown, moist		2" Ø BOREHOLE	2GP			0
-5.0							
-7.5							
	ML-SILT, trace to little clay, medium dense, brown/gray, moist	595.2		3GP			0
-10.0		593.2					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, gray, wet	592.7					
-12.5	CL-CLAY, some silt, trace fine sand, firm, low plasticity, gray, very moist to wet	592.2					
	END OF HOLE @ 12.0ft BGS						
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH173-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	604.6					
	SP-SAND, little silt, medium dense, fine grained, poorly graded, brown, moist		BENTONITE	1GP			0
		602.6					
-2.5	CL-CLAY, little silt, firm, medium plasticity, brown, moist		2" Ø BOREHOLE				
-5.0				2GP			0
		598.6					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet						
		597.1					
-7.5	CL-CLAY, little silt, firm, medium plasticity, brown, moist	*596.6*					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH174-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.4					
2.5	SW/GW-SAND and GRAVEL (FILL), little silt, medium dense, fine to medium grained, well graded, brown, moist	*603.9*	BENTONITE	1GP			0
5.0	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist - trace to little clay	*601.4*	2" Ø BOREHOLE	2GP			0
7.5	CL-CLAY, little to some silt, firm, low plasticity, brown, moist	*599.7*					
10.0	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet	*598.7*					
12.5	CL-CLAY, little silt, firm, low plasticity, gray, moist	*598.4*					
15.0	END OF HOLE @ 8.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-97)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH175-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.1					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, dark to dark brown, moist		BENTONITE	1GP			0
2.5		*603.6*					
	CL-CLAY, little to some silt, firm, low plasticity, brown, moist		2" Ø BOREHOLE				
5.0				2GP			0
		599.6					
7.5	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, slightly dilatant	*598.1*					
	END OF HOLE @ 8.0ft BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH176-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	604.1					
	TOPSOIL	603.5					
	ML-SILT, trace fine sand, trace clay, medium dense, brown, moist		BENTONITE	1GP			0
-2.5		600.9					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, very moist	600.4					
-5.0	CL-CLAY, some silt, firm, medium to low plasticity, brown, moist		2" Ø BOREHOLE	2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant	598.1					
-7.5		596.1					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH177-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.7					
	GRAVEL	*606.2*					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist		BENTONITE	1GP			0
-2.5		*603.7*					
	CL-CLAY, little to some silt, firm, low to medium plasticity, brown, moist		2" Ø BOREHOLE				
-5.0				2GP			0
		600.2					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant	*599.0*					
-7.5	CL-CLAY, little silt, firm, low plasticity, brown, very moist	*598.7*					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-100)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH178-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.5					
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist		BENTONITE	1GP			0
-2.5		*604.0*					
	CL-CLAY, little silt, firm, medium plasticity, brown, moist		2" Ø BOREHOLE				
-5.0		*600.5*		2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant						
-7.5		*598.5*					
	END OF HOLE @ 8.0ft BGS						
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH179-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.6					
	TOPSOIL	*605.9*					
	SM-SAND (NATIVE), some silt, medium dense, fine grained, poorly graded, brown, moist	*604.6*	BENTONITE	1GP			0
2.5	CL-CLAY, little silt, firm, medium plasticity, brown, moist						
5.0			2" Ø BOREHOLE	2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant	*600.1*					
7.5	END OF HOLE @ 8.0ft BGS	*598.6*					
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: BH180-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	607.0					
	SW/GW-SAND and GRAVEL (FILL), little silt, medium dense, fine to medium grained, well graded, brown, moist	*606.0*	BENTONITE	1GP			0
-2.5	SM-SAND (NATIVE), some silt, trace clay, medium dense, fine grained, well graded, brown, moist	*604.0*					
-5.0	CL-CLAY, little to some silt, firm, low to medium plasticity, brown, moist		2" Ø BOREHOLE	2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant	*600.5*					
-7.5	END OF HOLE @ 8.0ft BGS	*599.0*					
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

SECTION 2

MONITORING WELL LOGS

AST

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

Report of Boring No. MW-1
Sheet 1 of 1

ct Location: Toledo AST Farm

Client: GH Hydra-Matic

SAMPLER
Type: Split-spoon
Hammer: 140 lbs. Fall: 30 in.

Ground Water Depth 4.83 Date
Depth 5.48 Date 10/2
File No.: 4585.010.200

ıring Co.: PSI
oreman: Paul Libby
OBG Geologist: James O'Heara

Boring Location: North of AST farm
Ground Elevation: 611.00
Dates: Started: 10/11/90 Ended: 10/

Depth	Sample No	Sample Depth	Blows /6"	Penetr/ Recovry	"N" Valve	Sample Description	Stratum Change General Descript	Equipment Installed	Field Test pH	Field Test Sp Cond
0						Black, damp, sandy LOAM topsoil	2"			
	1	0-2			11	Light grey, damp, medium SAND, little crushed medium gravel, fill	6"			
	2	2-4			12	Medium dense, damp, brown to dark brown medium to fine SAND, some silt Moist at 3'8"	4'10"			
5	3	4-6			5	Medium, stiff, grey, wet, silty CLAY, little fine sand in seams	6'2"			
	4	6-8			1.5	Very loose, black, wet, medium to fine SAND, little silt, petroleum odor	9'4"			
	5	8-10			21	Very stiff, black, wet, SILT, petroleum odor	11'8"			
	6	10-12			15	Very stiff, grey, moist, silty CLAY, little silt in seams	12'			
						E.O.B. @ 12'				

' No. 10 slot PVC screen
' Solid PVC riser
uniform silica sand
granular bentonite

2'-0' cement/flush mount manhole

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

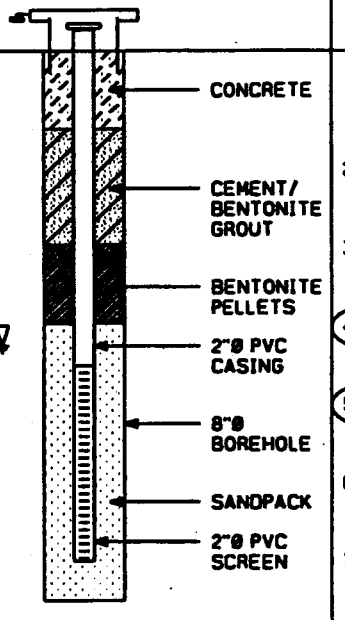
(DL-12)
Page 1 of

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW100-98
DATE COMPLETED: JANUARY 5, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL
	REFERENCE POINT (Top of Riser)	605.57
	GROUND SURFACE	603.6
	TOPSOIL, sand, some silt, trace clay, loose, damp, dark brown, roots	603.1
-2.5	SM-SAND, little to trace silt, medium grained, poorly, graded, loose, medium brown	
		599.1
-5.0	CL-CLAY, little silt, trace sand "hard pan" P.P. 3.5 t/ft^2, medium brown with red (oxidized) zones	598.8
		598.6
	ML-SILT, little sand, little clay, dark brown	598.6
-7.5	SM-SAND, little silt, little clay, medium dense, moist, dark brown with some reddish (oxidized) zones	596.1
-10.0	CL-CLAY, trace silt, trace sand, firm, moist, light brown with reddish zones P.P. 1.5 t/ft^2	
	CL-CLAY, little silt, little sand, soft P.P. 0.5-1 t/ft^2, wet, grey with reddish zones, oily smell, near P.L.	
-12.5	- P.P. 1.0 t/ft^2, less of an oily smell	
	- moist to damp, less of an oily smell	589.6
-15.0	END OF HOLE @ 14.0ft BGS	
-17.5		
-20.0		
-22.5		
-25.0		
-27.5		
-30.0		
-32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
8.0 to 13.0 ft BGS
Length: 5.0 ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
6.92 to 14.0 ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		9	0.0
2SS		12	0.0
3SS		8	0.0
4SS		8	0.0
5SS		8	0.0
6SS		9	0.0
7SS		7	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

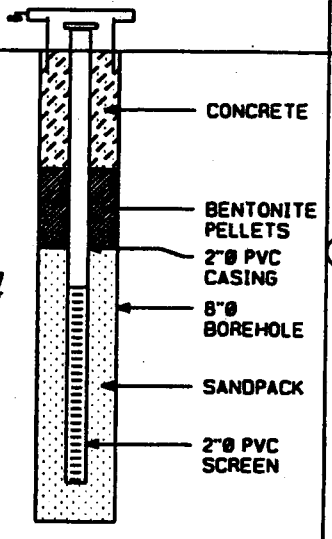
(DL-13)
Page 1 of 1

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW101-98
DATE COMPLETED: JANUARY 5, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL
	REFERENCE POINT (Top of Riser)	605.67
	GROUND SURFACE	603.6
0	TOPSOIL, silt, some sand, little clay, fine grained, loose, moist, dark brown	603.1
2.5	SM-SAND, some silt, trace clay, fine grained, loose, damp, dark brown	601.3
	ML/CL-SILT and CLAY, little sand, medium grained, stiff, damp, near P.L., medium brown to light brown	
5.0	ML/CL-SILT and CLAY, trace to little sand, soft, damp, dark brown	598.6
	SM-SAND, some silt, trace to little clay, poorly graded, fine grained, medium dense, greyish brown, wet	597.4
7.5	- red brown color	595.6
10.0	ML-SILT, some clay, little very fine sand, moist, light grey with fine brown layers 1mm-3mm	
	- reddish brown zones of silt, damp	
12.5	END OF HOLE @ 12.0ft BGS	591.6
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
6.0 to 11.0 ft BGS
Length: 5.0 ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0 ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		5	0.0
2SS		11	0.0
3SS		8	0.0
4SS		5	0.0
5SS		6	0.0
6SS		7	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ( )

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

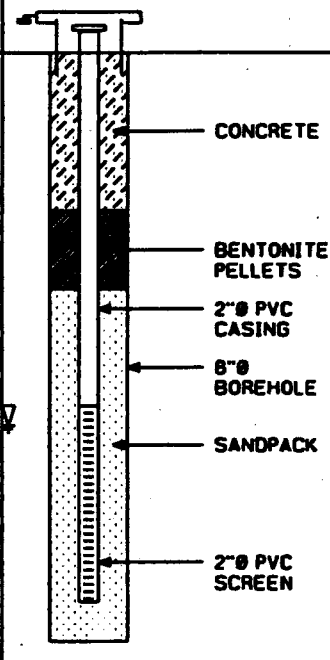
(DL-14)
Page 1 of

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW102-98
DATE COMPLETED: JANUARY 9, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL
	REFERENCE POINT (Top of Riser)	611.36
	GROUND SURFACE	609.4
	TOPSOIL, silt, little sand, trace clay, moist, dark brown	609.3
2.5	ML-SILT (FILL), some sand, trace clay, with chunks of brick, rock, white powdery material, coal, charred wood, glass, metal pieces, moist, dark brown to black	
5.0		604.4
	ML-SILT, trace sand, little clay, firm, trace gravel, medium brown, damp	604.2
7.5	SM-SAND, little to trace silt, fine grained, fairly well sorted, medium brown (tan)	
		600.4
10.0	ML/CL-SILT and CLAY, stiff, black and medium brown	599.9
	SM-SAND, little silt, fine grained, fairly well sorted greyish brown, wet	598.9
	- medium brown (tan), wet	597.8
12.5	ML/CL-SILT and CLAY, stiff, greyish brown	597.4
	SM-SAND, trace silt, greyish brown, wet	596.9
15.0	ML-SILT, little very fine grained sand, low plasticity, wet to moist, medium brown	594.4
	END OF HOLE @ 15.0ft BGS	
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
9.0 to 14.0 ft BGS
Length: 5.0 ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
6.0 to 15.0 ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		9	0.0
2SS		9	0.0
3SS		10	0.0
4SS		19	0.0
5SS		13	0.0
6SS		10	0.0
7SS		4	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

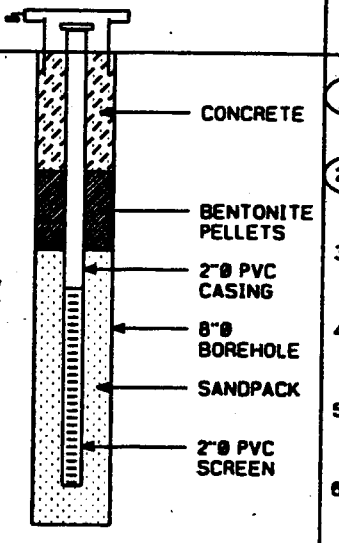
(DL-15)
Page 1 of 1

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW103-98
DATE COMPLETED: JANUARY 9, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL
	REFERENCE POINT (Top of Riser)	609.65
	GROUND SURFACE	607.1
2.5	ML-SILT (FILL), little sand, trace clay mixed with bricks, white powder, glass, coal, chared wood, concrete	
	SM-SAND, little silt, fine grained, fairly well sorted, greyish brown, moist	604.6
5.0	ML/CL-SILT and CLAY (TILL), trace sand, firm, medium plasticity, medium brown, damp, P.P. 2t/ft^2	603.1
7.5	SM-SAND, little silt, fine grained, fairly well sorted, wet, medium brown (tan)	600.8
	SM-SAND, little silt, fine grained, damp, dark brown/black	600.4 599.9 599.1
10.0	ML/CL-SILT and CLAY, trace sand, stiff, near P.L., rolls easily, moist, grey with reddish zones	597.1
	SM-SAND, little silt, fine grained, fairly well sorted, loose, wet	
12.5	ML-SILT, little sand, little clay, very fine grained, low plasticity, grey	595.1
	END OF HOLE @ 12.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
6.0 to 11.0 ft BGS
Length: 5.0 ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0 ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		59	0.0
2SS		14	0.0
3SS		20	0.0
4SS		9	0.0
5SS		--	0.0
6SS		9	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▽
CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

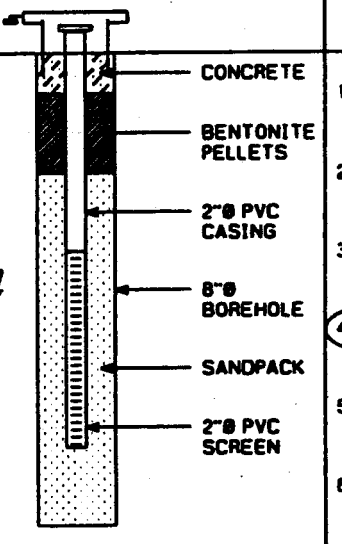
(DL-16)
Page 1 of '

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW104-98
DATE COMPLETED: JANUARY 13, 1998
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL
	REFERENCE POINT (Top of Riser)	602.10
	GROUND SURFACE	599.8
2.5	TOPSOIL, silt, little sand, little clay, loose, dark brown	599.8
	ML-SILT, some clay, little sand, firm, medium brown	599.3
	SM-SAND, some silt, trace clay, fine grained, medium brown (tan)	598.8
5.0	SM-SAND (FILL), some silt, trace clay, fine grained, dark brown mixed with medium brown	597.7
	ML-SILT, some sand, little clay, fine grained, damp mottled grey medium brown and red brown	596.8
7.5	SM-SAND, little silt, moist, mottled grey and medium brown	596.3
	CL-CLAY, little silt, firm, P.P. 2t/ft^2, near P.L., mottled medium brown, grey and red	593.8
10.0	- moist	592.3
	ML-SILT, some sand, little clay, wet, mottled medium brown, grey and red	587.8
12.5	- moist	
	ML-SILT, little clay little sand, grey, damp to moist, mottled with brownish red zones	
15.0	END OF HOLE @ 12.0ft BGS	
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
5.0 to 10.0 ft BGS
Length: 5.0 ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
3.0 to 12.0 ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		10	0.0
2SS		11	0.0
3SS		9	0.0
(4SS)		11	0.0
5SS		6	0.0
6SS		7	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

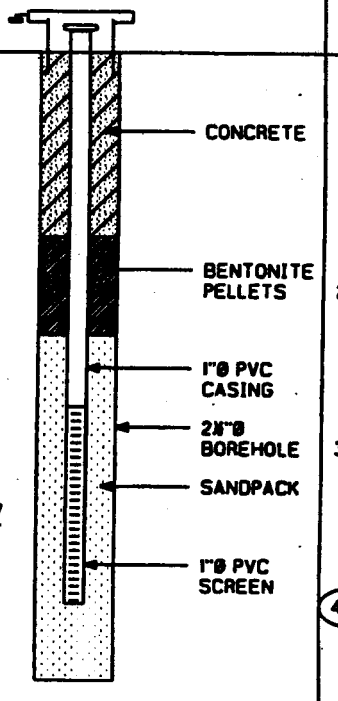
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-17)
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PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW105-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	604.37 603.3					
0	TOPSOIL, silt, some sand, little clay, dark brown, many roots, loose, damp	603.0					
	SM-SAND, little silt, loose, poorly graded, medium brown	602.6					
2.5	ML/CL-SILT AND CLAY, trace sand, firm, grayish brown	602.5					
5.0	SM-SAND, little silt, trace clay, loose, fine grained, poorly graded, medium brown - dark brown						
	ML-SILT, some clay, trace sand, soft, near PL, dark brown, moist	596.8					
7.5	ML/SM-SILT AND SAND, interbedded, fine grained sand, some clay, stiff, light gray with orange nodules, moist, P.P. 1-1.5	595.8 595.3					
10.0	ML/CL-SILT AND CLAY, stiff, light gray with orange nodules, moist, P.P. 1-1.5						
12.5	CL-CLAY, little silt, trace sand, very soft, medium brown, wet	591.3					
	CL-CLAY, trace silt, soft, grayish brown with orange nodules	589.8					
15.0	- damp						
	END OF HOLE @ 16.0ft BGS	587.3					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							



SCREEN DETAILS
Screened interval:
9.0 to 14.0 ft BGS
Length: 5.0 ft
Diameter: 1"
Slot Size: #10
Material: PVC
Sand Pack:
7.17 to 16.0 ft BGS
Material: Sand

NUMBER	STATE	'N' VALUE	PID (ppm)
1GP		--	0.0
2GP		--	0.0
3GP		--	0.0
4GP		--	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ (MARCH 6, 1998)

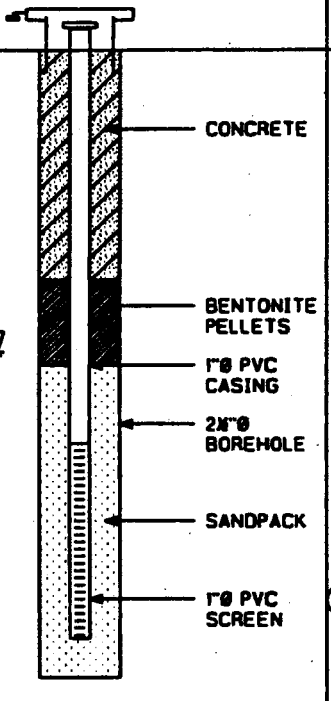
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-18)
Page 1 of '

PROJECT NAME: GM POWERTRAIN TOLEDO
PROJECT NUMBER: 10236
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW106-98
DATE COMPLETED: MARCH 05, 1998
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: F. ESFORD

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	603.97 603.9					
	TOPSOIL, silt, some sand, trace clay, loose, damp, dark brown, rootlets	603.4 602.9					
	ML-SILT, some clay, little sand, stiff, gray						
2.5	SM-SAND, trace silt, fine grained, loose, poorly graded, tan, (beach sand)	600.9 600.3					
	SM-SAND, some silt, fine grained, medium dense, dark brown	599.9					
5.0	SM-SAND, trace silt, fine grained, loose, poorly graded, tan, (beach sand)						
	SM-SAND, some silt, little clay, fine grained, loose to medium dense, dark brown with iron colored zones	596.9 596.2					
7.5	SM-SAND, some silt, trace clay, fine grained, grayish brown	594.9					
10.0	SM-SAND, little silt, very fine grained, moist to wet to moist, light gray						
	CL-CLAY, little silt, stiff, sticky, gray with iron colored zones, moist	591.9					
12.5	SM-SAND, some silt, little clay, fine grained, wet						
15.0		588.9					
	CL-CLAY, little silt, stiff, sticky, above PL, gray with iron colored zones, stiff, moist	587.9					
	END OF HOLE @ 16.0ft BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							



1GP
2GP
3GP
4GP

SCREEN DETAILS
Screened interval:
10.0 to 15.0 ft BGS
Length: 5.0 ft
Diameter: 1"
Slot Size: #10
Material: PVC
Sand Pack:
8.0 to 16.0 ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▽ (MARCH 6, 1998)
CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

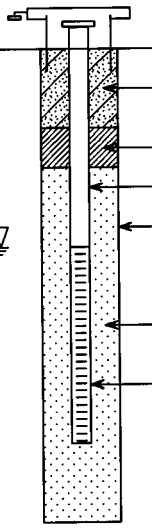
(DL-01)
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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW107-99
DATE COMPLETED: AUGUST 11, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. WAGNER/D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser)	606.25
	GROUND SURFACE	601.2
	TOPSOIL, dry, homogeneous	600.7
	CL-CLAY, some coarse gravel, brown with gray mottling, dry	
2.5	– homogeneous, medium plasticity, brown,	
	– fine gravel	598.2
	CH-CLAY, very plastic, homogeneous, brown,	597.2
5.0	dry to moist	596.2
	CL-CLAY, some fine gravel, silty, brown with red mottling, dry	
	– silty clay, gray, damp	594.6
7.5	ML-SILT, silty clay, gray, wet	593.2
	– gray with red mottling, very moist	592.2
	CH-CLAY, silty clay, homogeneous, plastic, gray, wet	
10.0	NO RECOVERY	
	ML-SILT, silty clay, homogeneous, gray, wet	589.2
12.5	– gray with some red mottling	
	– gray	
	END OF HOLE @ 12.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
5.0 to 10.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
3.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		11	0.0
2SS		24	0.0
3SS		6	0.0
4SS		4	0.0
5SS		2	0.0
6SS		1	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

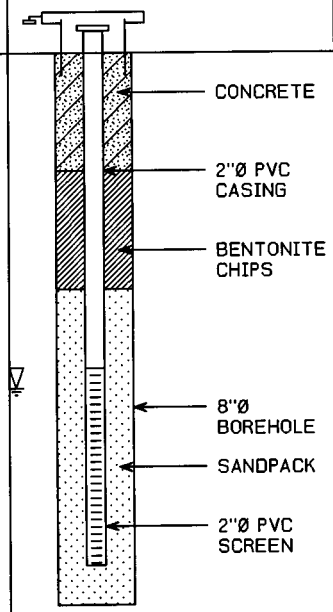
(DL-02)
Page 1 of 1

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW108-99
DATE COMPLETED: AUGUST 11, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. WAGNER/D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser)	606.06
	GROUND SURFACE	602.8
	TOPSOIL (FILL), fine grained sand, loose, light brown, dry	602.3
	NO RECOVERY	600.8
2.5	SC-SAND, silty clay and fine grained sand, light brown, dry	598.8
5.0	CH-CLAY, silty clay, some sand, high plasticity, light brown, dry	
	- fine grained, gray, damp	
7.5	- some fine sand, high plasticity, moist	
10.0	- moist to wet	
	CL-CLAY, some sand, gray, wet	592.0
	CH-CLAY, gray, moist	591.8
12.5	SC-SAND, clay with fine sand, brown, wet	590.8
	CL-CLAY, silty, fine, medium plasticity, gray, wet	589.8
15.0	END OF HOLE @ 14.0ft BGS	588.8
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
8.0 to 13.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
6.0 to 14.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		9	0.0
2SS		11	0.0
3SS		4	0.0
4SS		4	0.0
5SS		4	0.0
6SS		2	0.0
7SS		3	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

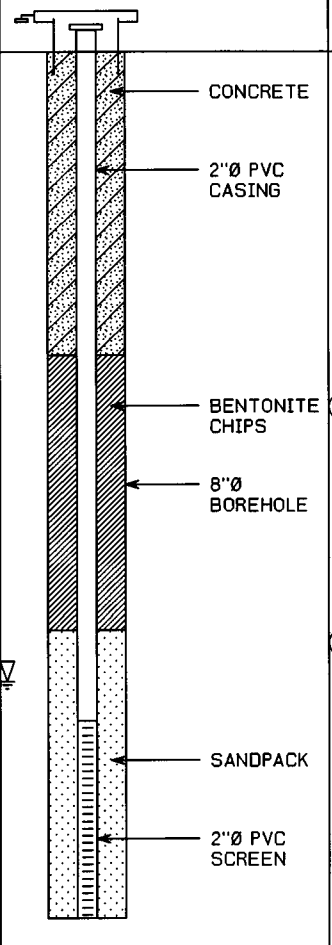
(DL-03)
Page 1 of 1

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW109-99
DATE COMPLETED: AUGUST 12, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. WAGNER/D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser)	616.50
	GROUND SURFACE	613.4
	TOPSOIL, light brown, dry	612.9
	CRUSHED CONCRETE	612.4
	CL-CLAY, brown-gray, dry	611.9
2.5	NO RECOVERY	611.4
	CL-SILTY CLAY, with some coarse gravel, fine, light brown, dry	609.4
5.0	SP-SILTY SAND with some gravel, fine grained, light brown, dry	607.4
	SP-SAND, some gravel, fine, brown, dry	
7.5		605.4
	CL-SILTY CLAY, medium plasticity, medium brown, dry	604.4
10.0	CL-SILTY CLAY, black with some gray mottling, dry	603.4
	CL-SILTY CLAY, sand, light brown, dry	
	- damp	601.4
12.5	CH-SILTY CLAY, high plasticity, brown, damp	600.4
	CL-SILTY CLAY, some sand, brown with mottled red, moist	599.4
15.0	ML-SILT, sandy to silty clay, light brown-gray	598.4
	CL-CLAY, gray, dry (little moisture at 16')	
	- silty clay, light brown, wet	
17.5	- brown	
	SM-SAND, clay with some sand, brown-gray, wet	595.4
	CH-CLAY, gray, wet	594.4
20.0	CI-SILTY CLAY, high plasticity, gray, wet	593.4
	CH-CLAY, homogeneous, gray, wet	592.4
	END OF HOLE @ 22.0ft BGS	591.4
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
17.0 to 22.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
14.7 to 22.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		29	0.0
2SS		10	0.0
3SS		14	0.0
4SS		25	0.0
5SS		7	2.3
6SS		5	1.6
7SS		3	5.0
8SS		5	3.1
9SS		5	4.0
10SS		2	4.4
11SS		2	4.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

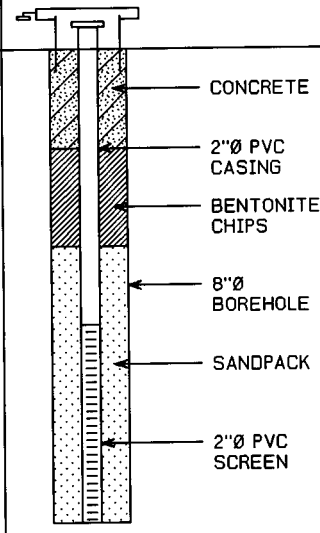
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW110-99
DATE COMPLETED: AUGUST 12, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser)	602.56
	GROUND SURFACE	599.4
	NO RECOVERY	598.9
	TOPSOIL, some silty clay, brown, dry	597.9
	NO RECOVERY	597.4
2.5	SM-SAND, silty clay, fine, loose, brown, dry	
	– red mottling	595.4
	CL-SILTY CLAY, some fine red sand, brown, dry	594.4
5.0	SC-SILTY SAND, clay with fine red sand, gray/brown, moist	593.4
	NO RECOVERY	592.6
7.5	CL-SILTY CLAY, light brown with gray mottling (gray lasts 3"), moist	
	– light brown, damp to moist	590.4
10.0	CH-CLAY, high plasticity, gray, moist to wet	589.4
	CL-SILTY CLAY, gray with redish-brown mottling, wet	588.4
12.5	CH-SILTY CLAY, gray, very plastic, wet	
	– gray clay, wet	585.4
	END OF HOLE @ 14.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
7.0 to 12.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		9	0.3
2SS		6	0.0
3SS		7	1.5
4SS		4	1.4
5SS		5	0.0
6SS		0	1.9
7SS		0	1.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

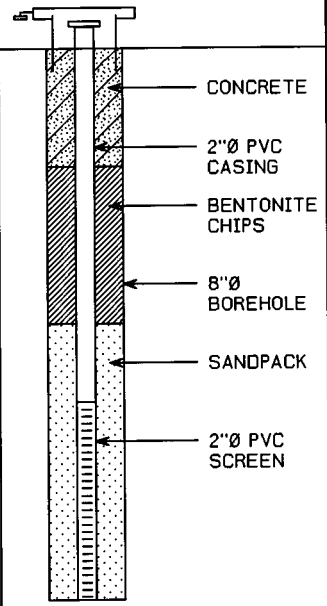
(DL-05)
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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW111-99
DATE COMPLETED: AUGUST 18, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*603.17* *600.4*
	NO RECOVERY	*599.9*
	TOPSOIL, trace roots, loose, brown, dry	*598.4*
2.5	ML-SILT, silty clay, fine sand, low plasticity, dark brown	*597.4*
	SM-SAND, fine, light brown, dry - well graded	
5.0		*594.4*
	ML/CL-SILT & CLAY, loose sand, brown, dry	
7.5		*592.4*
	CH-CLAY, plastic, brown with gray mottling, damp - moist - sand, moist to wet	
10.0		
	- gray clay, homogeneous, wet	
12.5		*586.4*
	END OF HOLE @ 14.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
9.0 to 14.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
7.0 to 14.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		8	0.0
2SS		10	1.1
3SS		7	1.5
(4SS)		8	10.1
5SS		5	7.1
(6SS)		5	10.3
7SS		5	1.7

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

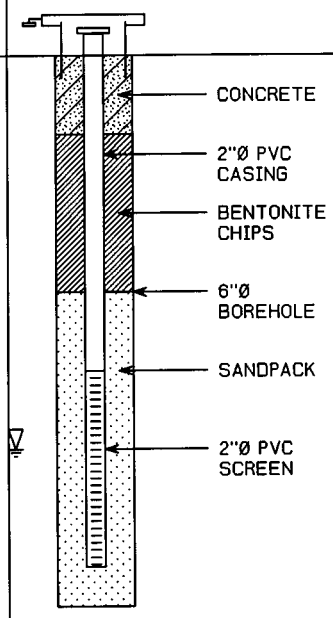
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Page 1 of 1

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW112-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser)	*607.78*
	GROUND SURFACE	*605.4*
	TOPSOIL, silty clay, light brown, dry	
		603.4
2.5	CL/ML-CLAY & SILT, fine, light brown to brown, dry	
5.0		*600.4*
	CL-SILTY CLAY, some sand, medium plasticity, dark brown, dry	
	- fine, light brown sand, damp	
7.5		*597.4*
	SM-SILTY SAND, loose, light brown, dry	
	- fine, dark brown, damp	*595.9*
10.0	CL-SILTY CLAY, very sandy, gray, moist	
	- silty, slight petroleum odor, moist to wet	
	- gray-brown, wet	
12.5		*592.4*
	CH-CLAY, high plasticity, gray to brown, moist	*591.4*
	END OF HOLE @ 14.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
8.0 to 13.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
6.0 to 14.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1DP			0.0
2DP			1.1
3DP			18.1
4DP			5.6

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

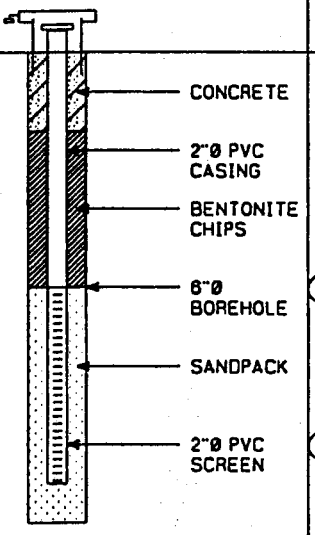
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Page 1 of 1

PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW113-99
DATE COMPLETED: AUGUST 17, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	GROUND SURFACE	0.00
	NO RECOVERY, some coarse gravel from concrete surface	-.8
2.5	SC-SAND, trace fine black sands and silty brown clay, slight petroleum odor, light brown	-2.0
	NO RECOVERY	-3.0
5.0	CL-SILTY CLAY, trace coarse gravel and loose fine sands, brown	
	- trace brown sands, dry	-5.0
	CL/SM-SILTY CLAY, very sandy, loose, soft, fine, brownish gray, dry	-6.0
7.5	SP-SAND, gravelly, poorly graded, coarse, brownish black, dry	-8.0
	- brown, damp	-9.0
10.0	CL-SILTY CLAY, trace coarse gravel, brown, very damp	-10.0
	NO RECOVERY	-11.0
12.5	CL-SILTY CLAY, trace coarse gravel, high plasticity, loose, brown, moist to wet at 11'	-12.0
	CH-SILTY CLAY, very loose, medium plasticity, some gray mottling, very soft, brown, wet	
15.0	END OF HOLE @ 12.0ft BGS	
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
6.0 to 11.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
4.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1DP			13.7
2DP			21.0
3DP			16.1

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

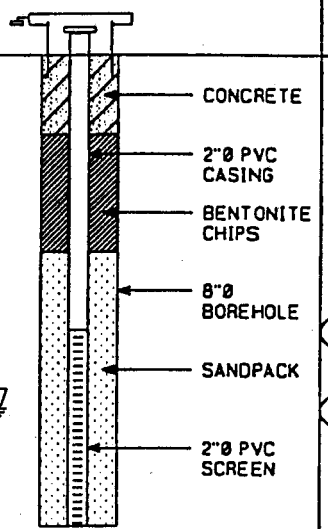
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Page 1 of 1

PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW115-99
DATE COMPLETED: AUGUST 18, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	GROUND SURFACE	0.00
	TOPSOIL, loose, dark brown, dry	
		-1.0
	ML-SILTY CLAY, very sandy, loose, fine, light brown, dry	-2.0
-2.5	CL-SILTY CLAY, loose, low plasticity, brown, dry	-3.0
	SM-SAND, trace silty clay, loose, fine, light brown, dry	
-5.0		-5.0
	CL-SILTY CLAY, loose, low plasticity, fine, brown, moist	-6.0
	SM-SAND, loose, fine, light brown, dry	-7.0
-7.5	CL-SILTY CLAY, smooth, plastic, brown, dry	
	- fine, slight petroleum odor, some black staining, moist	
-10.0	- medium plasticity, fine, wet	-10.0
	CL-CLAY, trace coarse sands, high plasticity, gray, wet	-11.0
-12.5	CH-CLAY, smooth, high plasticity, gray, moist	-12.0
	END OF HOLE @ 12.0ft BGS	
-15.0		
-17.5		
-20.0		
-22.5		
-25.0		
-27.5		
-30.0		
-32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
7.0 to 12.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		13	3.1
2SS		11	3.8
3SS		3	4.4
4SS		5	1.2
5SS		8	0.4
6SS		6	1.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

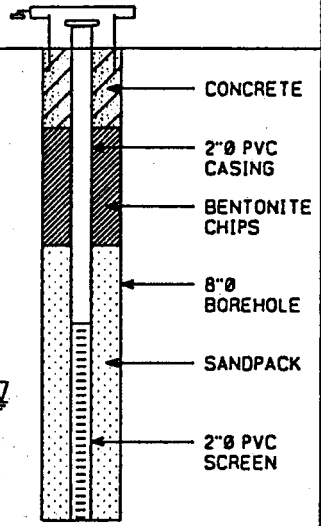
(OL-12)
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PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW116-99
DATE COMPLETED: AUGUST 18, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	GROUND SURFACE	0.00
2.5	GP-COARSE GRAVEL (FILL), fine, dry	
	CL-SILTY CLAY, medium plasticity, brown, dry - only 6" recovery, light brown fill, concrete cobbles, dry	-3.0
5.0		
7.5	CL-SILTY CLAY, fine, loose, brown, dry - plastic, compact, moist - wet	-7.0
10.0	CH-CLAY, smooth, loose, gray, wet	-10.0
12.5	END OF HOLE @ 12.0ft BGS	-12.0
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
7.0 to 12.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	SAMPLE STATE	'N' VALUE	PID (ppm)
1SS		11	
2SS		10	4.3
3SS		8	1.0
4SS		8	7.2
5SS		13	1.3
6SS		7	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

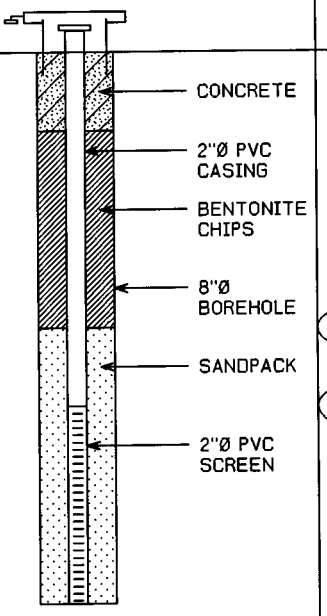
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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW117-99
DATE COMPLETED: AUGUST 19, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*611.51* *608.5*
	TOPSOIL, coarse gravel, light brown, dry	*607.5*
	CL-SILTY CLAY, some gravel, brown, dry	*606.5*
2.5	SW-SAND, gravel fragments, fine grained, light brown, dry	*604.5*
5.0	CL-SILTY CLAY, coarse sand, some gravel, brown, dry - some sand - clay, smooth, moist to wet at 7.5' bgs	
7.5	- silty, moist	
10.0	- homogeneous, moist to wet	
12.5	- brown with gray mottling, wet - gray, moist	
	END OF HOLE @ 14.0ft BGS	*594.5*
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
9.0 to 14.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
7.0 to 14.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		13	0.7
2SS		9	5.1
3SS		7	15.1
4SS		7	3.3
5SS		6	1.7
6SS		4	5.7
7SS		4	3.4

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

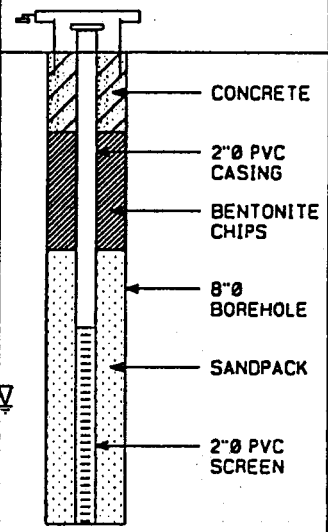
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Page 1 of 1

PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW118-99
DATE COMPLETED: AUGUST 19, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	GROUND SURFACE	0.00
	TOPSOIL, with sand fill, some trace coarse gravel, dry	-1.0
2.5	CL-SILTY CLAY, mixed with fine sands, loose, light brown, dry	
		-3.0
	SM-SAND, loose, fine, light brown, dry	-3.8
	CL-SILTY CLAY, loose, soft, dark brown, dry	-4.0
5.0	SM-SAND, loose, light brown, dry	-5.0
	SM/CL-SANDY CLAY, silty, very soft, brown, moist	-6.0
7.5	SM-SAND, loose, light brown, dry to moist	-7.0
	CL-SILTY CLAY, trace sands, loose, brown, moist	
	- sandy, light brown	
10.0	- smooth, soft, gray, moist to wet	-10.0
	SC-SAND/CLAY, light brown sands mixed with gray silty clay, wet	-11.0
12.5	CH-CLAY, loose, smooth, gray, wet	-12.0
	END OF HOLE @ 12.0ft BGS	
15.0		
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
7.0 to 12.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		8	6.2
2SS		11	10.0
3SS		7	5.9
4SS		6	8.9
5SS		7	5.3
6SS		8	5.1

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

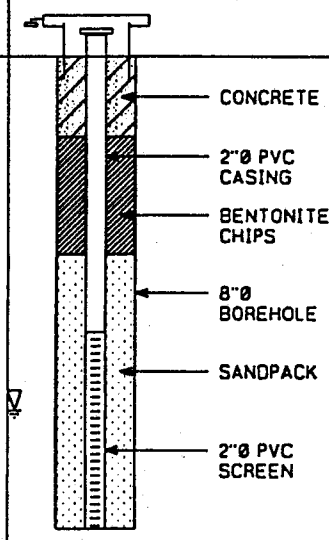
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PROJECT NAME: TANK FARM INVESTIGATION
PROJECT NUMBER: 12609-04
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW119-99
DATE COMPLETED: AUGUST 19, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	GROUND SURFACE	0.00
2.5	TOPSOIL, with coarse gravel fill, some sands	-1.0
	GW/SP-GRAVELLY SAND, compact, light brown, dry	-3.0
5.0	SP-SAND, fine, light brown, dry	-4.0
	GW/SP-GRAVELLY SAND, compact, light brown, dry	-5.0
7.5	SC-SAND, silty clay mixture, soft, light brown, dry	-7.0
	CL-CLAY, little silt, brown, damp	-8.0
10.0	SC-SAND/CLAY, fine, light brown, damp	-9.0
	CH-CLAY, smooth, gray, wet	-10.0
12.5	CL-SILTY CLAY, soft, brownish gray, wet	-11.0
	CH-SILTY CLAY, high plasticity, loose, gray, wet	-12.0
15.0	END OF HOLE @ 12.0ft BGS	
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
7.0 to 12.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
5.0 to 12.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		25	0.0
2SS		11	3.8
3SS		11	4.1
(4SS)		12	12.2
(5SS)		11	8.1
8SS		7	5.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

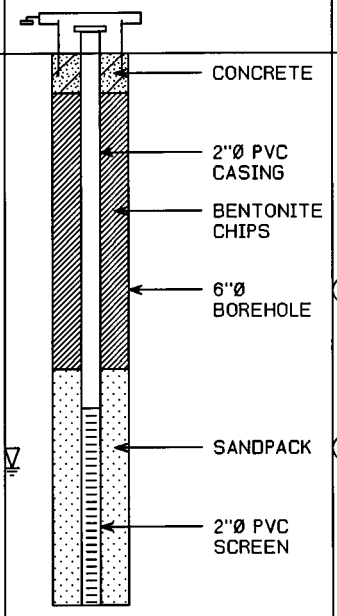
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-15)
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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW120-99
DATE COMPLETED: AUGUST 27, 1999
DRILLING METHOD: GEOPROBE - DIRECT PUSH
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*608.89* *605.3*					
	TOPSOIL, some fine fill sand mixed, concrete pieces, red brick, dry		CONCRETE				
		603.3		1DP			0.0
-2.5	GM/CL-GRAVELLY SILTY CLAY, trace concrete fill mixed, coarse, brown, dry		2"Ø PVC CASING				
		601.3	BENTONITE CHIPS				
-5.0	CL-SILTY CLAY, some light brown sands, trace coarse gravel mixed, dry		6"Ø BOREHOLE	2DP			0.0
-7.5	- compact, some loose fine sands, brown, dry to damp (10.5')						
-10.0	- loose, wet		SANDPACK	3DP			0.0
		593.3	2"Ø PVC SCREEN				
-12.5	CH-CLAY, homogeneous, high plasticity, brown, wet			4DP			0.0
		591.3					
-15.0	END OF HOLE @ 14.0ft BGS						
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							



SCREEN DETAILS
Screened interval:
9.0 to 14.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
8.0 to 14.0ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

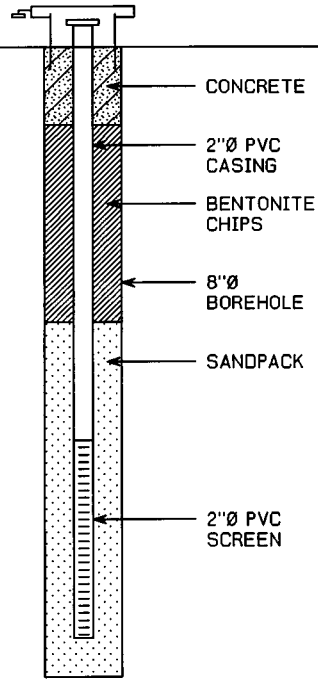
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PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW121-99
DATE COMPLETED: OCTOBER 8, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*603.96* *601.2*
2.5	SM-SAND, topsoil, trace roots, fine, dark brown, moist - loose, fine grained, light brown, damp - clay pipe fragment, some gray, dry	
5.0	SC-SAND, dark brown with some gray mottling, damp - silty sand	*598.2* *596.2*
7.5	CL-CLAY, hard, medium plasticity, compact, lgith brown/gray, dry - silty sand, clay pipe fragments, iron streaks - gray silty clay, light brown shading, moist - light brown silty clay, silty sand, iron staining, loose, damp	
10.0	- gray silty clay, moist to damp at 12'	
12.5	- high plasticity, loose, wet	
15.0	END OF HOLE @ 16.0ft BGS	*585.2*
17.5		
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
10.0 to 15.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
7.0 to 16.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		6	0.0
2SS		11	0.9
3SS		10	2.2
4SS		6	1.9
5SS		6	0.0
6SS		4	0.0
7SS		3	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

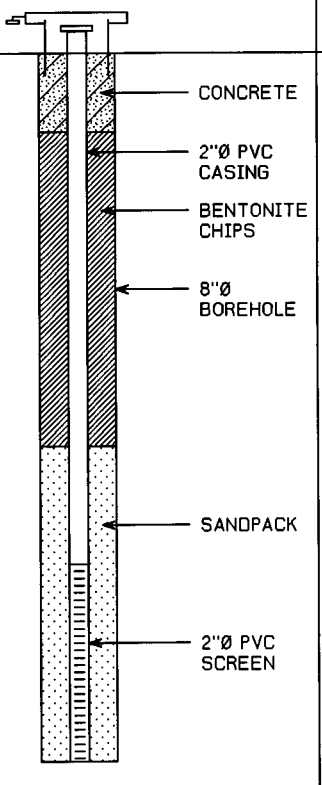
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: REALM PROPERTY INVESTIGATION
PROJECT NUMBER: 12609-03
CLIENT: REALM/GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW122-99
DATE COMPLETED: OCTOBER 8, 1999
DRILLING METHOD: 4¼" HSA
CRA SUPERVISOR: D. NEWTON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*605.98* *603.0*
	TOPSOIL, some sand, loose, dark brown, moist	*602.0*
	SC-SAND, loose, fine, light brown, dry	*601.0*
2.5	NO RECOVERY	*600.0*
	SC-SAND, loose, fine, brown, dry	*599.0*
5.0	CL-SILTY CLAY, medium plasticity, brown, moist	*597.0*
	CH-SILTY CLAY, hight plasticity, compact, moist	
7.5	- little silt, some gray clay mottling	
10.0	- brown and gray clay, smooth, high plasticity, wet	
	- soft	
12.5	- gray clay	
15.0		
17.5	END OF HOLE @ 18.0ft BGS	*585.0*
20.0		
22.5		
25.0		
27.5		
30.0		
32.5		

MONITOR INSTALLATION



SCREEN DETAILS
Screened interval:
13.0 to 18.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
10.0 to 18.0ft BGS
Material: Sand

SAMPLE NUMBER	STATE	'N' VALUE	PID (ppm)
1SS		6	0.8
2SS		10	2.4
3SS		8	1.8
4SS		5	0.0
5SS		4	0.0
6SS		3	0.0
7SS		4	0.0
8SS		4	0.0
9SS		4	0.0

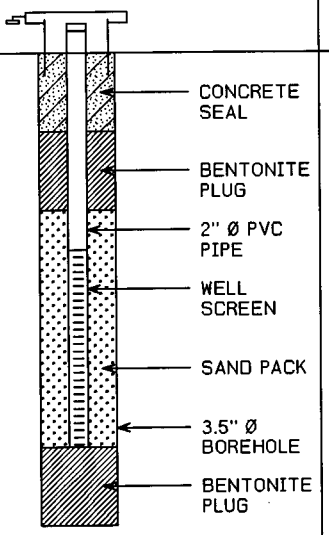
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: MW123-00
DATE COMPLETED: APRIL 12, 2000
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: K. VANDER MEULEN

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.9					
	GRAVEL (FILL)	*605.2*					
	ML-SILT, trace to little clay, medium dense, dark brown, moist	*604.9*		1GP			0
-2.5	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, moist	*603.4*					
	CL-CLAY, little silt, firm, medium plasticity, brown, moist						
-5.0				2GP			0
	SM-SAND, some silt, medium dense, fine grained, poorly graded, brown, wet, dilatant	*599.4*					
-7.5							
-10.0	CL-CLAY, little silt, firm, medium plasticity, gray, moist	*595.9*		3GP			0
	END OF HOLE @ 12.0ft BGS	*593.9*					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							



SCREEN DETAILS
Screened interval:
5.0 to 10.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
4.0 to 10.0ft BGS
Material: Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

SECTION 3

HAND AUGER LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-C1-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.6					
	TOPSOIL (FILL) SANDY SILT, chunks of concrete and other building material, loose, dark brown, moist		CUTTINGS	1HA			0
-2.5	- borehole terminated at 1.3ft BGS due to presence of building debris	*600.3*	1" Ø BOREHOLE				
	END OF HOLE @ 1.3ft BGS						
-5.0							
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

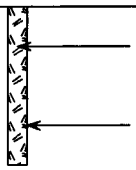
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-142)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-C2-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.8					
	TOPSOIL-SILT, with sand, loose, dark brown, moist	*601.3*	 CUTTINGS	1HA	X		0
-2.5	MH-SILT, with fine sand, medium dense, low plasticity, fine grained, poorly graded, dark brown, moist	*598.3*	1" Ø BOREHOLE	2HA	X		0
-5.0	SM-SILTY SAND, medium dense, fine grained, poorly graded, light brown, moist	*597.8*					
	END OF HOLE @ 4.0ft BGS						
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-132)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-D1-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	600.7					
	TOPSOIL-SILT, with sand, loose, dark brown, moist	*600.4*	CUTTINGS	1HA			0
2.5	MH-SILT, with fine sand, low density, fine grained, poorly graded, dark brown, moist	*598.2*	1" Ø BOREHOLE				
	– medium density, light brown			2HA			0
5.0	MH-SANDY SILT, medium density, fine grained, poorly graded, light brown, very moist	*596.9*					
	END OF HOLE @ 3.8ft BGS						
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-D2-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.1					
	TOPSOIL-SILT, with sand, loose, dark brown, moist	*600.4*	CUTTINGS	1HA	X		0
-2.5	MH-SILT, with fine sand, medium dense, fine grained, low plasticity, dark brown, moist, rootlets present throughout	*597.4*	1" Ø BOREHOLE	2HA	X		0
	END OF HOLE @ 3.7ft BGS						
-5.0							
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

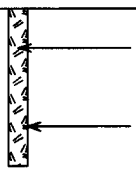
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-137)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-D3-00
DATE COMPLETED: APRIL 13, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	602.6					
	TOPSOIL-SILT, with fine sand, dark brown, moist	*602.1*	 CUTTINGS	1HA	X		0
	ML-SILT, with fine sand, medium dense, fine grained, poorly graded, light brown, moist	*601.1* *600.6*					
-2.5	CI-SILTY CLAY, very stiff, medium plasticity, dark brown, moist	*598.6*	1" Ø BOREHOLE	2HA	X		0
-5.0	ML-SILT, trace fine sand, medium dense, slight plasticity, light brown, moist - becoming dark brown						
	END OF HOLE @ 4.0ft BGS						
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-D4-00
DATE COMPLETED: APRIL 13, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	603.0					
	TOPSOIL-SANDY SILT, dark brown, moist	*602.3*	CUTTINGS	1HA			0
	SM-SILTY SAND, low density, fine grained, poorly graded, light brown, moist						
2.5	- becoming medium dense		1" Ø BOREHOLE	2HA			0
	END OF HOLE @ 4.0ft BGS	*599.0*					
5.0							
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-139)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-E3-00
DATE COMPLETED: APRIL 13, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	600.4					
	TOPSOIL-SILT, with fine sand, low density, dark brown, moist, rootlets	*599.7*	CUTTINGS	1HA	X		0
	SM-SILTY SAND, medium dense, fine grained, poorly graded, light brown, moist	*599.2*					
2.5	SM-SANDY SILT, medium dense, fine grained, poorly graded, light brown, moist	*596.9*	1" Ø BOREHOLE	2HA	X		0
	ML-SILT, trace sand, trace clay, dense, slight plasticity, brown, moist	*596.4*					
5.0	END OF HOLE @ 4.0ft BGS						
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-E4-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	602.9					
	TOPSOIL-SILT, trace sand, loose, dark brown, moist	*602.4*	CUTTINGS	1HA	X		0
2.5	MH-SILT, with sand, compact, fine grained, poorly graded, light brown, moist - dense		1" Ø BOREHOLE	2HA	X		0
	END OF HOLE @ 3.8ft BGS	*599.1*					
5.0							
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-F3-00
DATE COMPLETED: APRIL 13, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	601.4					
	TOPSOIL-SILT, with fine sand, low density, dark brown, moist	*600.8*	CUTTINGS	1HA			0
	SM-SANDY SILT, low to medium dense, low plasticity, light brown, moist	*599.9*					
2.5	ML-SILT, trace fine sand, medium dense, slight plasticity, dark brown, moist		1" Ø BOREHOLE	2HA			0
	- with sand, light brown	*597.7*					
5.0	END OF HOLE @ 3.7ft BGS						
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-135)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-F4-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.1					
	TOPSOIL-SILT, with sand, loose, dark brown, moist	*604.6*	CUTTINGS	1HA			0
	MH-SILT, with sand, loose, fine grained, poorly graded, dark brown, moist	*603.6*					
2.5	SM-SILTY SAND (FILL), chunks of debris, very loose, fine grained, poorly graded, light brown, moist	*601.3*	1" Ø BOREHOLE	2HA			0
5.0	END OF HOLE @ 3.8ft BGS						
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-F5-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	605.7					
	TOPSOIL-SILT, with sand, loose, dark brown, moist	*605.2*	CUTTINGS	1HA			0
	MH-SILT, with sand, compact, fine grained, poorly graded, dark brown, moist	*604.2*	1" Ø BOREHOLE				
2.5	– unknown debris at 1.5ft BGS, could not advance deeper in several areas						
	END OF HOLE @ 1.5ft BGS						
5.0							
7.5							
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

HOLE DESIGNATION: HA-F6-00
DATE COMPLETED: APRIL 14, 2000
DRILLING METHOD: HAND AUGER
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	606.6					
	TOPSOIL-SILT, with sand, low density, dark brown, moist	*606.1*	CUTTINGS	1HA			0
	MH-SILT, with sand, medium density, fine grained, poorly graded, dark brown, moist	*605.4*					
-2.5	ML-SILT, trace sand, trace clay, dense, fine grained, low plasticity, light brown, moist		1" Ø BOREHOLE	2HA			0
	END OF HOLE @ 4.0ft BGS	*602.6*					
-5.0							
-7.5							
-10.0							
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

SECTION 4

TEST PIT LOGS

TEST PIT STRATIGRAPHIC LOG

(WL-38)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-A1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	0		
	SM-SILTY SAND (FILL), compact to dense, fine grained, poorly graded, dark brown, moist, scattered bricks			595	1.0 - 2.0	0		•
-2.5					2.0 - 3.0	0		
	- asphalt slab from 1.5 to 2.1ft BGS	-3.4						
	BOTTOM OF TEST PIT @ 3.4ft BGS							
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-B1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	SM-SAND (FILL), with silt, loose, fine grained, poorly graded, dark brown, moist, roots, bricks, concrete fragments, scrap metal			592	0.0 – 1.0	0		•
					1.0 – 2.0	0		
-2.5					2.0 – 3.0	0		
					3.0 – 4.0	0		
		-3.8						
	BOTTOM OF TEST PIT @ 3.8ft BGS							
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-37)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-B2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	SM-SAND (FILL), with silt, compact, fine grained, poorly graded, dark brown, moist, roots, bricks				0.0 – 1.0	0		
				593/594	1.0 – 2.0	0		•
-2.5					2.0 – 3.0	0		
					3.0 – 4.0	0		
		-4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-C3-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	ML-SANDY SILT, very stiff, fine grained, poorly graded, dark brown, moist			596/597	0.0 - 1.0	0		•
					1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	CI-SILTY CLAY, trace fine sand, hard, medium plasticity, grayish brown, moist	-3.3			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.0ft BGS	-4.0						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-40)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-D5-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	SM-SAND and SILT (TOPSOIL), dense, fine grained, poorly graded, brown, moist	-1.0		598	0.0 - 1.0	0		•
					1.0 - 2.0	0		
-2.5	CI-SILTY CLAY, very hard, medium plasticity, brown, slightly moist				2.0 - 3.0	0		
					3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.0ft BGS	-4.0						
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-D6-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	ML-SANDY SILT (TOPSOIL), hard, fine grained, low plasticity, poorly graded, brown, moist	-1.1		600	0.0 - 1.0	0		•
					1.0 - 2.0	0		
2.5	CI-SILTY CLAY, very hard, medium plasticity, brown, slightly moist				2.0 - 3.0	0		
					3.0 - 4.0	0		
		-4.1						
5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-E1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	SM-SILTY SAND (FILL), compact, fine grained, poorly graded, dark brown, moist, roots, plastic sheeting, plastic jug				0.0 - 1.0	0		
				588/589	1.0 - 2.0	1.6		•
-2.5	- gray at 1.8ft BGS				2.0 - 3.0	0.4		
					3.0 - 4.0	0		
		-3.9						
-5.0	CI-SILTY CLAY, hard, medium plasticity, brown, moist	*-4.1*						
	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-E2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots			591	0.0 - 1.0	0		•
					1.0 - 2.0	0		
2.5	- no roots at 2.0ft BGS				2.0 - 3.0	0		
	- light brown sand lense at 3.2ft BGS				3.0 - 4.0	0		
	- dense at 3.9ft BGS	-4.3						
5.0	BOTTOM OF TEST PIT @ 4.3ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-E5-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL			602	0.0 - 1.0	0		•
		-1.0			1.0 - 2.0	0		
-2.5	ML-SANDY SILT, hard, low plasticity, light brown to brown, moist				2.0 - 3.0	0		
					3.0 - 4.0	0		
		-4.0						
-5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-E6-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	SM-SILTY SAND (TOPSOIL), dense, fine grained, poorly graded, dark brown, moist			601	0.0 - 1.0	0		•
	- brown at 1.1ft BGS				1.0 - 2.0	0		
		-2.0			2.0 - 3.0	0		
-2.5	CI-SILTY CLAY, hard, medium plasticity, brown, moist				3.0 - 4.0	0		
		-4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-F1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3			0.0 - 1.0	0		
	ML-SANDY SILT (FILL), very hard, fine grained, poorly graded, dark brown, moist, concrete chunks			586/587	1.0 - 2.0	0		•
2.5					2.0 - 3.0	0		
	- concrete slab, brick fragments, wood chunks at 2.0ft BGS				3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.1ft BGS	-4.1						
5.0								
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-34)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-F2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots				0.0 - 1.0	0		
	- plastic sheets/film at 1.8ft BGS			590	1.0 - 2.0	0		•
		-2.2			2.0 - 3.0	0		
2.5	CI-SILTY CLAY, hard, medium plasticity, brown, moist				3.0 - 4.0	0		
		-3.7						
	BOTTOM OF TEST PIT @ 3.7ft BGS							
5.0								
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-G1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	0		
	ML-SANDY SILT, stiff to very stiff, fine grained, poorly graded, dark brown, moist, large concrete blocks, scrap metal, brick fragments, wood blocks	-2.2			1.0 - 2.0	0		
2.5				584	2.0 - 3.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, brown, moist	-4.1			3.0 - 4.0	0		
5.0	- light brown at 2.8ft BGS							
	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-G2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		585	0.0 - 1.0	0		•
	ML-SANDY SILT, hard, fine grained, poorly graded, dark brown, moist, roots	-1.3			1.0 - 2.0	0		
-2.5	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist				2.0 - 3.0	0		
	- gray sand at 2.3ft BGS	-4.0			3.0 - 4.0	0		
-5.0	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.2						
	BOTTOM OF TEST PIT @ 4.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-H1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		583	0.0 - 1.0	0		•
	ML-SANDY SILT (FILL), hard, fine grained, poorly graded, dark brown, moist	-1.4			1.0 - 2.0	0		
2.5	SM-SILTY SAND, compact, fine grained, poorly graded, brown, moist				2.0 - 3.0	0		
	- light brown at 1.8ft BGS	-4.0			3.0 - 4.0	0		
5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-H2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0		
	SM-SILTY SAND, dense, fine grained, poorly graded, dark brown, moist, roots			582	1.0 - 2.0	0		•
-2.5	- concrete and brick fragments at 1.3ft BGS				2.0 - 3.0	0		
	- brown at 2.1ft BGS				3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.0ft BGS	-4.0						
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-I1-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	0		
	SM-SILTY SAND (FILL), compact to dense, fine grained, poorly graded, dark brown, moist, very large concrete chunks, bricks			578	1.0 - 2.0	0		•
2.5					2.0 - 3.0	0		
	- no concrete at 3.8ft BGS				3.0 - 4.0	0		
		-4.3						
5.0	BOTTOM OF TEST PIT @ 4.3ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-I2-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.7		579	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	- trace silt, loose to compact, brown				3.0 - 4.0	0		
		-4.2						
-5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-I3-00
DATE COMPLETED: APRIL 14, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	0		
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, concrete fragments			580/58	1.0 - 2.0	0		•
-2.5	- plastic sheeting at 1.1ft BGS				2.0 - 3.0	0		
					3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.1ft BGS	-4.1						
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.7			0.0 - 1.0	0		
	ML-SANDY SILT (FILL), hard, fine grained, poorly graded, dark brown, moist				1.0 - 2.0	0		
-2.5	- concrete chunks, metal grindings at 2.6ft BGS			574	2.0 - 3.0	0		•
		-3.4			3.0 - 4.0	0		
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist	-4.6						
-5.0	BOTTOM OF TEST PIT @ 4.6ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1A-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	607.3						
	TOPSOIL	606.8						
	ML-SILT, sandy, fine grained, dark brown, dry to moist	604.8			2.0 - 3.0	0		•
2.5	SALT (AQUA), bricks and concrete chunks, blueish-green, grey metallic shavings	604.3						
	CL-CLAY, silty, firm, smooth, low plasticity, light brown, moist	602.3			4.0 - 5.0	0		•
5.0	END OF TEST PIT @ 5.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1B-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	607.6						
	TOPSOIL	607.1						
	ML-SILT, sandy, dark brown							
	- paint can, rubber bolt, steel wire, cup, beer can, metal strip mixed with silty clay	605.6						
2.5	ML/CL-SILTY CLAY, firm, smooth, low plasticity, light brown, moist				2.0 - 5.0	0		•
	CL-CLAY, firm, low plasticity, dark brown, moist	603.6						
5.0	END OF TEST PIT @ 5.0ft BGS	602.6						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1C-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	608.3						
	TOPSOIL, silty, dark brown	*607.3*						
	ML/SM-SILTY SAND, medium to fine grained, light brown, moist							
2.5	– a few bricks present				1.0 – 5.0	0		•
	ML/CL-SILTY CLAY, firm, brownish-gray	*604.3*						
5.0	END OF TEST PIT @ 5.0ft BGS	*603.3*						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1D-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	608.3						
	TOPSOIL, dark brown	*607.8*						
	ML/SM-SILTY SAND, fine grained, light brown, dry to moist							
-2.5	- metal tubing, rebar 6" long				1.0 - 4.0	0		•
	- gravel							
	SM/CL-SANDY CLAY, firm,low plasticity, light brown (reddish) to gray, moist	*604.3*						
-5.0	END OF TEST PIT @ 5.0ft BGS	*603.3*						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1E-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	606.2						
	TOPSOIL, silty, roots, dark brown	*605.7*						
	ML/SM-SILTY SAND, loose, fine grained, light/dark brown							
2.5	- bricks, concrete chunks				1.0 - 4.0	0		•
		602.2						
	CL-CLAY, silty, friable, dark brown, moist, not firm	*601.2*						
5.0	END OF TEST PIT @ 5.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-193)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J1F-00
DATE COMPLETED: JUNE 7, 2000
TEST PIT METHOD: GEOPROBE
CRA SUPERVISOR: D. NEWTON/C.AMEY

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	606.9						
	TOPSOIL	*606.4*						
	ML/SM-SILTY SAND, loose, dark brown, dry							
2.5	- blueish gray metallic shavings				2.5 - 4.0	0		•
		602.9			4.0 - 5.0	0		•
5.0	SM-SAND, loose, fine grained, light brown, moist	*601.9*						
	- some water present at 5 feet							
	END OF TEST PIT @ 5.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0		
	SM-SILTY SAND (FILL), compact to dense, fine grained, poorly graded, brown, moist, debris-concrete chunks throughout			570	1.0 - 2.0	0		•
2.5					2.0 - 3.0	0		
	- largest, most dense concrete chunks in profile at 2.0ft BGS	-3.8			3.0 - 4.0	0		
5.0	BOTTOM OF TEST PIT @ 3.8ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-J3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		569	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist				1.0 - 2.0	0		
2.5	- trace clay, grayish brown at 1.3ft BGS				2.0 - 3.0	0		
		-3.7			3.0 - 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.3						
5.0	BOTTOM OF TEST PIT @ 4.3ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-K1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		573	0.0 – 1.0	0		•
	SM-SAND, trace silt, compact, fine grained, poorly graded, reddish brown, moist				1.0 – 2.0	0		
-2.5					2.0 – 3.0	0		
	CI-SILTY CLAY, very hard, medium plasticity, grayish brown, slightly moist	-3.5			3.0 – 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 5.1ft BGS	-5.1						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-21)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-K2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6		571	0.0 - 1.0	0		•
	ML-SANDY SILT, trace clay, stiff, fine grained, poorly graded, dark brown	-1.6			1.0 - 2.0	0		
-2.5	CI-SILTY CLAY, very hard, medium plasticity, brownish gray, slightly moist	-2.2			2.0 - 3.0	0		
	SM-SAND, trace silt, compact, fine grained, poorly graded, reddish brown, moist	-4.1			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-K3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.9		568	0.0 - 1.0	0		•
	SM-SILTY SAND (FILL), loose, fine grained, poorly graded, brown to dark brown, moist, debris-scrap metal, plastic sheeting, wood blocks, concrete fragments				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	- no debris at 1.4ft BGS				3.0 - 4.0	0		
	- grayish brown at 2.4ft BGS	-3.8						
-5.0	CI-SILTY CLAY, very hard, medium plasticity, brown, moist	-4.2						
	BOTTOM OF TEST PIT @ 4.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-K4-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		567	0.0 - 1.0	0		•
	ML-SANDY SILT, trace clay, fine grained, low plasticity, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5					2.0 - 3.0	0		
	SM-SILTY SAND, compact, fine grained, poorly graded, grayish brown, moist	-2.8			3.0 - 4.0	0		
		-3.9						
5.0	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.2						
	BOTTOM OF TEST PIT @ 4.2ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-15)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-L1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.7		565	0.0 – 1.0	0		•
	SM-SAND, trace silt, compact, fine grained, poorly graded, brown, moist				1.0 – 2.0	0		
-2.5	– reddish brown sand lenses at 2.8ft BGS				2.0 – 3.0	0		
					3.0 – 4.0	0		
		-3.8						
	CI-SILTY CLAY, hard, medium plasticity, brown, moist				4.0 – 5.0	0		
-5.0		-4.9						
	BOTTOM OF TEST PIT @ 4.9ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-L2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		572	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots	-1.2			1.0 - 2.0	0		
2.5	SM-SAND, trace silt, compact, fine grained, poorly graded, reddish brown, moist				2.0 - 3.0	0		
					3.0 - 4.0	0		
	CI-SILTY CLAY, very hard, medium plasticity, brown, slightly moist	-3.8						
5.0	BOTTOM OF TEST PIT @ 4.2ft BGS	-4.2						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-11)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-L3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		561	0.0 - 1.0	0		•
	SM-SAND, trace silt, loose, fine grained, poorly graded, brown, moist				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
		-3.6			3.0 - 4.0	0		
	CI-SILTY CLAY, very hard, medium plasticity, brown, moist	-4.4						
-5.0	BOTTOM OF TEST PIT @ 4.4ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-L4-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		566	0.0 - 1.0	0		•
	ML-SANDY SILT, trace clay, very stiff, fine grained, low plasticity, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5					2.0 - 3.0	0		
		-3.0						
	SM-SILTY SAND, trace clay, compact, fine grained, poorly graded, brown, grayish brown, moist				3.0 - 4.0	0		
		-4.2			4.0 - 5.0	0		
5.0	CI-SILTY CLAY, very hard, medium plasticity, brown, moist	-4.9						
	BOTTOM OF TEST PIT @ 4.9ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-M1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		564	0.0 – 1.0	0		•
	SM-SAND, trace silt, compact, fine grained, poorly graded, brown, moist				1.0 – 2.0	0		
-2.5	– clay seam at 2.0ft BGS				2.0 – 3.0	0		
		-3.7			3.0 – 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.0						
-5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-M2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		563	0.0 - 1.0	0		•
	SM-SAND, trace silt, compact, fine grained, poorly graded, brown, moist, roots				1.0 - 2.0	0		
-2.5	- asphalt chunks at 1.1ft BGS				2.0 - 3.0	0		
		-3.3			3.0 - 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-M3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		560	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine sand, poorly graded, dark brown, moist, roots	-1.9			1.0 - 2.0	0		
-2.5	CI-SILTY CLAY, very hard, medium plasticity, dry	-2.9			2.0 - 3.0	0		
	SM-SILTY SAND, compact, fine sand, poorly graded, brown, moist	-4.2			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-M4-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		562	0.0 - 1.0	0		•
	ML-SANDY SILT, trace clay, firm to stiff, fine grained, low plasticity, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, slightly moist	-2.9			3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.0ft BGS	-4.0						
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-N1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	1.8		
	SM-SAND, trace silt, loose to compact, fine grained, poorly graded, brown, moist			556	1.0 - 2.0	13.1		•
-2.5					2.0 - 3.0	9.1		
	CI-SILTY CLAY, very hard, medium plasticity, brown, moist	-3.2			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS	-4.1						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-N2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.2		557	0.0 – 1.0	0		•
	SM-SAND, trace silt, compact, fine grained, poorly graded, brown, moist				1.0 – 2.0	0		
-2.5					2.0 – 3.0	0		
		-3.6			3.0 – 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-N3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		558/559	0.0 – 1.0	0		•
	SM-SILTY SAND, trace clay, compact to dense, poorly graded, brown to dark brown, moist, roots				1.0 – 2.0	0		
2.5					2.0 – 3.0	0		
	– no roots at 1.1ft BGS	-3.1			3.0 – 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, moist	-4.1						
5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-83)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-N4-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG/D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	ML-SANDY SILT (TOPSOIL), dark brown, moist			545	0.0 – 1.0	0		•
					1.0 – 2.0	0		
		-2.0			2.0 – 3.0	0		
2.5	SP-SAND, trace silt, medium dense, fine grained, light brown, moist	-3.0			3.0 – 4.0	0		
	CI-SILTY CLAY, very hard, medium plasticity, grayish brown, moist	-4.0						
5.0	SM-SILTY SAND, medium dense, fine grained, reddish brown, very moist	-4.5						
	BOTTOM OF TEST PIT @ 4.5ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-82)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-N5-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG/D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	SM-SITY SAND (TOPSOIL), loose, dark brown, moist, building debris (bricks)			544	0.0 - 1.0	0		•
					1.0 - 2.0	0		
		-2.0			2.0 - 3.0	0		
-2.5	ML-SANDY SILT, medium dense, fine grained, gray, moist							
		-3.5			3.0 - 4.0	0		
	SP-SAND, trace silt, compact, fine grained, reddish brown, wet	-4.5						
-5.0	BOTTOM OF TEST PIT @ 4.5ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-04)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-01-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0.8		
	SM-SAND, trace silt, fine grained, poorly graded, brown, moist				1.0 - 2.0	5.9		
2.5				555	2.0 - 3.0	7.4		•
	- reddish brown lenses at 3.1ft BGS				3.0 - 4.0	2.6		
		-3.7						
	CI-SILTY CLAY, very hard, medium plasticity, brown, moist	-4.2						
5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-05)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-02-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0.2		
	SM-SAND, trace silt, loose, fine grained, poorly graded, brown, moist				1.0 - 2.0	9.4		
2.5				554	2.0 - 3.0	13.2		•
	- reddish brown sand lenses at 3.1ft BGS				3.0 - 4.0	6.1		
		-4.1						
5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-03-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		553	0.0 - 1.0	0		•
	SM-SAND, trace silt, fine grained, poorly graded, light brown to brown, moist				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	- reddish brown sand lenses at 3.0ft BGS				3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 4.1ft BGS	-4.1						
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-04-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		542	0.0 - 1.0	0		•
	SM-SAND, with silt, fine grained, poorly graded, light brown	-1.5			1.0 - 2.0	0		
-2.5	CI-SILTY CLAY, very hard, medium plasticity, blocky, grayish brown				2.0 - 3.0	0		
	- wet at 3.8ft BGS	-4.0			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-81)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-05-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG/D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.7		543	0.0 - 1.0	0		•
	ML-SILT, some sand, medium dense, low plasticity, brown, moist	-1.5			1.0 - 2.0	0		
2.5	SM-SILTY SAND, compact, fine to medium grained, moist	-3.0			2.0 - 3.0	0		
	CI-SILTY CLAY, very hard, medium plasticity, grayish brown, moist	-4.0			3.0 - 4.0	0		
5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P1-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.7			0.0 - 1.0	0		
	SM-SAND and SILT, trace clay, dense, low plasticity, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5				549	2.0 - 3.0	0.8		•
		-3.1			3.0 - 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.1						
5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-02)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P2-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0		
	SM-SAND, trace silt, loose, fine grained, poorly graded, light brown to reddish brown, moist				1.0 - 2.0	0		
					2.0 - 3.0	0.6		
2.5				550	3.0 - 4.0	0		•
		-4.2						
	BOTTOM OF TEST PIT @ 4.2ft BGS							
5.0								
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-03)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P3-00
DATE COMPLETED: APRIL 13, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6		551/552	0.0 - 1.0	0		•
	SM-SAND, trace silt, loose, fine grained, poorly graded, light brown, moist				1.0 - 2.0	0		
2.5					2.0 - 3.0	0		
					3.0 - 4.0	0		
5.0					4.0 - 5.0	0		
	BOTTOM OF TEST PIT @ 5.2ft BGS	-5.2						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-79)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P4-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		541	0.0 - 1.0	0		•
	SM-SAND, trace silt, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
-2.5	- reddish brown at 2.0ft BGS				2.0 - 3.0	0		
		-3.5			3.0 - 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, dry				4.0 - 5.0	0		
-5.0	BOTTOM OF TEST PIT @ 5.0ft BGS	-5.0						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-78)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P5-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		540	0.0 - 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots	-1.4			1.0 - 2.0	0		
-2.5	MH-SANDY SILT, loose, medium plasticity, grayish brown, moist, roots				2.0 - 3.0	0		
	- flowing seeps, wet at 3.0ft BGS	-3.4						
-5.0	BOTTOM OF TEST PIT @ 3.4ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-77)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-P6-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.2		539	0.0 - 1.0	0		•
	SM-SILTY SAND, dense, fine grained, poorly graded, dark brown, moist, roots	-.6			1.0 - 2.0	0		
-2.5	CI-SILTY CLAY, hard, medium plasticity, grayish brown, dry to moist				2.0 - 3.0	0		
					3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.3ft BGS	-4.3						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q1-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		527	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
-2.5	- trace clay, light brown at 0.8ft BGS	-2.6			2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, dry				3.0 - 4.0	0		
-5.0	- sand lense, flowing seep at 4.0ft BGS				4.0 - 5.0	0		
	BOTTOM OF TEST PIT @ 5.3ft BGS	-5.3						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q2-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3			0.0 - 1.0	0		
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots	-.8			1.0 - 2.0	0		
-2.5	SM-SAND, with silt, loose, fine grained, poorly graded, light brown, moist	-2.6		528	2.0 - 3.0	0		•
	CI-SILTY CLAY, hard, medium plasticity, brown, dry	-4.5			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.5ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-68)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q3-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5			0.0 - 1.0	0.4		
	SM-SAND, trace silt, loose, fine grained, poorly graded, light brown, moist				1.0 - 2.0	0.6		
2.5	- no roots at 1.1ft BGS				2.0 - 3.0	0.8		
				529	3.0 - 4.0	1.4		•
		-4.0						
5.0	BOTTOM OF TEST PIT @ 4.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q4-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6			0.0 - 1.0	0.2		
	SM-SAND, trace silt, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0.5		
-2.5	- light brown, dark brown sand lenses, no roots at 2.0ft BGS				2.0 - 3.0	0.4		
				530	3.0 - 4.0	0.8		•
		-4.1						
	BOTTOM OF TEST PIT @ 4.1ft BGS							
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q5-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3			0.0 - 1.0	0.1		
	SM-SAND, trace silt, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0.2		
-2.5	- light brown, no roots at 1.2ft BGS				2.0 - 3.0	0.4		
	- wet at 3.4ft BGS			531	3.0 - 4.0	0.8		•
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-3.8 -4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-Q6-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		538	0.0 - 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5	- light brown, no roots at 1.6ft BGS				2.0 - 3.0	0		
					3.0 - 4.0	0		
		-4.3						
5.0	BOTTOM OF TEST PIT @ 4.3ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-65)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R1-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3			0.0 - 1.0	0		
	ML-SILT and SAND, firm, fine grained, low plasticity, poorly graded, moist, concrete chunks, clay pipe fragments			526	1.0 - 2.0	0		•
-2.5	- pipe fragments, black staining at 1.5ft BGS	-2.4						
	BOTTOM OF TEST PIT @ 2.4ft BGS							
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-64)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R2-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		525	0.0 - 1.0	0		•
	SM-SAND and SILT (FILL), compact, fine grained, low plasticity, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5		-2.2			2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, dark brown, moist	-3.1						
	- water in excavation at 2.9ft BGS							
5.0	BOTTOM OF TEST PIT @ 3.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R3-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.2		S23/524	0.0 – 1.0	0		•
	SM-SAND, with silt, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 – 2.0	0		
2.5	– light brown, dark brown lenses throughout, dry				2.0 – 3.0	0		
					3.0 – 4.0	0		
		-4.5						
5.0	BOTTOM OF TEST PIT @ 4.5ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R4-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.2		522	0.0 - 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, dry to moist, roots				1.0 - 2.0	0		
-2.5	- light brown, dark brown lenses throughout, no roots at 0.9ft BGS				2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, dry	-3.4			3.0 - 4.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.4ft BGS	-4.4						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-71)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R5-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3			0.0 - 1.0	0		
	SM-SAND, trace silt, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5	- light brown, moist, no roots at 0.8ft BGS				2.0 - 3.0	0		
		-3.6		532	3.0 - 4.0	0.3		•
	CI-SILTY CLAY, hard, medium plasticity, brown, moist	-4.2						
5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-R6-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		533	0.0 - 1.0			•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0			
-2.5					2.0 - 3.0			
		-3.2			3.0 - 4.0			
	CI-SILTY CLAY, hard, medium plasticity, grayish brown, dry	-4.1						
-5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S1-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4			0.0 - 1.0	0		
	ML-SILTY SAND (FILL), with gravel, loose, fine grained, poorly graded, dark brown, black staining, moist			515	1.0 - 2.0	0		•
-2.5	- pieces of 12" clay pipe at 1.2ft BGS	-2.2			2.0 - 3.0	0		
	- flowing seeps from sump at 2.0ft BGS				3.0 - 4.0	0		
-5.0	CI-SILTY CLAY, hard, medium plasticity, gray, moist	-4.5						
	BOTTOM OF TEST PIT @ 4.5ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S2-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		514	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5	- loose, light brown at 1.5ft BGS	-2.2			2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, grayish brown, moist	-3.4						
5.0	- water in excavation at 3.2ft BGS							
	BOTTOM OF TEST PIT @ 3.4ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S3-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		520	0.0 – 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist to dry, roots				1.0 – 2.0	0		
2.5	– light brown, no roots at 1.6ft BGS				2.0 – 3.0	0		
		-3.8			3.0 – 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, grayish brown, moist	-4.2						
5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S4-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		521	0.0 – 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 – 2.0	0		
2.5	– light brown, no roots at 1.2ft BGS				2.0 – 3.0	0		
	– dark brown sand lenses at 2.0ft BGS	-2.6			3.0 – 4.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, dry	-4.1						
5.0	BOTTOM OF TEST PIT @ 4.1ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-73)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S5-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5			0.0 - 1.0	0		
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, roots				1.0 - 2.0	0		
-2.5	- light brown, no roots at 1.6ft BGS			534	2.0 - 3.0	0.2		•
		-3.5			3.0 - 4.0	0		
	BOTTOM OF TEST PIT @ 3.5ft BGS							
-5.0								
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-74)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S6-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		S35/536	0.0 – 1.0			•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots							
2.5	– light brown, dark brown sand lenses, no roots at 1.6ft BGS							
	CI-SILTY CLAY, hard, medium plasticity, moist	-3.6						
5.0	BOTTOM OF TEST PIT @ 5.1ft BGS	-5.1						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-S7-00
DATE COMPLETED: APRIL 12, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		537	0.0 – 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 – 2.0	0		
-2.5	– gray, no roots, contact wavy with upper unit at 1.6ft BGS				2.0 – 3.0	0		
	– brown and gray laminar beds at 2.6ft BGS	-3.6			3.0 – 3.5	0		
-5.0	BOTTOM OF TEST PIT @ 3.6ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T1-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		510	0.0 - 1.0	0		•
	SM-SILTY SAND (FILL), with gravel, fine grained, poorly graded, black staining, moist, no odor, roots				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	- coal chunk at 1.5ft BGS	-2.8						
	- flowing seep from swamp at 2.6ft BGS							
-5.0	BOTTOM OF TEST PIT @ 2.8ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-55)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T2-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		511	0.0 – 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots	-1.2			1.0 – 2.0	0		
2.5	CI-SILTY CLAY, stiff, medium plasticity, brown, moist				2.0 – 3.0	0		
5.0	BOTTOM OF TEST PIT @ 5.2ft BGS	-5.2						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-56)
Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T3-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.4		512	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots	-1.6			1.0 - 2.0	0		
2.5	- loose, light brown at 1.3ft BGS				2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, moist				3.0 - 4.0	0		
5.0		-4.9			4.0 - 5.0	0		
	BOTTOM OF TEST PIT @ 4.9ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T4-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		S13	0.0 - 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
	- very loose, light brown at 0.8ft BGS	-1.8			2.0 - 3.0	0		
-2.5	CI-SILTY CLAY, hard, medium plasticity, brown, moist to dry				3.0 - 4.0	0		
					4.0 - 5.0	0		
-5.0	BOTTOM OF TEST PIT @ 4.8ft BGS	-4.8						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T5-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		505	0.0 - 1.0	0		•
	SM-SILTY SAND, trace gravel, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5					2.0 - 3.0	0		
	- light brown, no roots at 1.2ft BGS	-3.8			3.0 - 4.0	0		
	CI-SILTY CLAY, stiff, medium plasticity, gray, moist	-4.5						
5.0	- water in bottom of excavation at 4.5ft BGS							
	BOTTOM OF TEST PIT @ 4.5ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-T6-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6		504	0.0 - 1.0	0		•
	SM-SILTY SAND, loose, fine grained, poorly graded, dark brown, moist, roots				1.0 - 2.0	0		
2.5	- no roots at 1.6ft BGS				2.0 - 3.0	0		
	- light reddish brown at 2.3ft BGS				3.0 - 4.0	0		
	CI-SILTY CLAY, stiff, medium plasticity, gray, moist	-3.8			4.0 - 5.0	0		
5.0	- water in excavation at 4.3ft BGS	-5.0						
	BOTTOM OF TEST PIT @ 5.0ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U2-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		509	0.0 - 1.0			•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots	-1.4						
-2.5	- loose, light brown at 0.6ft BGS							
	CI-SILTY CLAY, hard, medium plasticity, grayish brown, moist							
-5.0	BOTTOM OF TEST PIT @ 5.2ft BGS	-5.2						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U3-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.3		508	0.0 - 1.0			•
	SM-SILTY SAND, trace gravel, compact, fine grained, poorly graded, dark brown, moist, roots							
2.5		-2.0						
	– loose, light brown, no roots at 0.8ft BGS							
	CI-SILTY CLAY, hard, medium plasticity, grayish brown, moist	-4.6						
5.0	BOTTOM OF TEST PIT @ 4.6ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

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Page 1 of 1

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U4-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.2		507	0.0 - 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, dark brown, moist, roots	-1.6			1.0 - 2.0	0		
2.5	- loose, light brown at 0.4ft BGS				2.0 - 3.0	0		
	CI-SILTY CLAY, hard, medium plasticity, brown, dry				3.0 - 4.0	0		
		-4.4						
5.0	BOTTOM OF TEST PIT @ 4.4ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U5-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		506	0.0 – 1.0	0		•
	SM-SILTY SAND, compact, fine grained, poorly graded, moist, roots				1.0 – 2.0	0		
-2.5	– loose, light brown, no roots at 1.4ft BGS				2.0 – 3.0	0		
					3.0 – 4.0	0		
		-4.2						
-5.0	BOTTOM OF TEST PIT @ 4.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U6-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		502	0.0 - 1.0	0		•
	SM-SILTY SAND, trace gravel, compact, fine grained, poorly graded, brown, moist, roots				1.0 - 2.0	0		
-2.5	- no roots at 0.8ft BGS				2.0 - 3.0	0		
	- loose, light brown at 2.9ft BGS				3.0 - 4.0	0		
	- flowing seep at 3.9ft BGS	-4.0						
-5.0	CI-CLAY, stiff, medium plasticity, gray, moist	-4.5						
	BOTTOM OF TEST PIT @ 4.5ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-U7-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.5		501	0.0 - 1.0	0		•
	SM-SILTY SAND, trace gravel, compact, fine grained, poorly graded, brown, moist, roots				1.0 - 2.0	0		
2.5	- no roots at 0.8ft BGS				2.0 - 3.0	0		
	- loose, light brown at 2.2ft BGS				3.0 - 4.0	0		
		-4.1			4.0 - 5.0	0		
5.0	CI-SILTY CLAY, stiff, medium plasticity, grayish brown, moist							
	- water in excavation at 5.2ft BGS	-5.3						
	BOTTOM OF TEST PIT @ 5.3ft BGS							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

PROJECT NAME: GMPT TOLEDO
PROJECT NUMBER: 12609
CLIENT: GM
LOCATION: TOLEDO, OHIO

TEST PIT DESIGNATION: TP-V6-00
DATE COMPLETED: APRIL 11, 2000
TEST PIT METHOD: BACKHOE
CRA SUPERVISOR: R. HOAG

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	0.0						
	TOPSOIL	-.6		500	0.0 - 1.0	0		•
	SM-SILTY SAND, trace clay, trace gravel, compact, fine grained, poorly graded, brown, moist, roots, no stains or odor				1.0 - 2.0	0		
-2.5					2.0 - 3.0	0		
	- no odor	-3.5			3.0 - 4.0	0		
	SW-SAND, with silt, trace gravel, loose, fine to medium grained, well graded, dark brown, moist				4.0 - 5.0	0		
-5.0		-5.2						
	BOTTOM OF TEST PIT @ 5.2ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS

SECTION 1

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Sample ID:		***BH171-00 S-12609-041200-KMV-27***	***BH171-00 S-12609-041200-KMV-26***	***BH171-00-BH178-00 S-12609-041200-KMV-42***	***BH171-00-BH178-00 S-12609-041200-KMV-43***	***BH172-00 S-12609-041200-KMV-35***
Sample Depth:		***(5.5-7.5)***	***(7.5-9.5)***	***(0-2)***	***(2-4)***	***(7-9)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	ND (420)	ND (1000)	-
2,4,6-Trichlorophenol	ug/Kg	-	-	ND (420)	ND (1000)	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH171-00*	*BH171-00*	*BH171-00-BH178-00*	*BH171-00-BH178-00*	*BH172-00*
Sample ID:		*S-12609-041200-KMV-27*	*S-12609-041200-KMV-26*	*S-12609-041200-KMV-42*	*S-12609-041200-KMV-43*	*S-12609-041200-KMV-35*
Sample Depth:		*(5.5-7.5)*	*(7.5-9.5)*	*(0-2)*	*(2-4)*	*(7-9)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	ND (420)	ND (1000)	-
2,4-Dimethylphenol	ug/Kg	-	-	ND (420)	ND (1000)	-
2,4-Dinitrophenol	ug/Kg	-	-	ND (2000)	ND (4900)	-
2,4-Dinitrotoluene	ug/Kg	-	-	ND (420)	ND (1000)	-
2,6-Dinitrotoluene	ug/Kg	-	-	ND (420)	ND (1000)	-
2-Chloronaphthalene	ug/Kg	-	-	ND (420)	ND (1000)	-
2-Chlorophenol	ug/Kg	-	-	ND (420)	ND (1000)	-
2-Methyl naphthalene	ug/Kg	-	-	ND (420)	ND (1000)	-
2-Methylphenol	ug/Kg	-	-	ND (420)	ND (1000)	-
2-Nitroaniline	ug/Kg	-	-	ND (2000)	ND (4900)	-
2-Nitrophenol	ug/Kg	-	-	ND (420)	ND (1000)	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	ND (2000)	ND (4900)	-
3-Nitroaniline	ug/Kg	-	-	ND (2000)	ND (4900)	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	ND (2000)	ND (4900)	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	ND (420)	ND (1000)	-
4-Chloro-3-methylphenol	ug/Kg	-	-	ND (420)	ND (1000)	-
4-Chloroaniline	ug/Kg	-	-	ND (420)	ND (1000)	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	ND (420)	ND (1000)	-
4-Methylphenol	ug/Kg	-	-	ND (420)	ND (1000)	-
4-Nitroaniline	ug/Kg	-	-	ND (2000)	ND (4900)	-
4-Nitrophenol	ug/Kg	-	-	ND (2000)	ND (4900)	-
Acenaphthene	ug/Kg	-	-	ND (420)	ND (1000)	-
Acenaphthylene	ug/Kg	-	-	ND (420)	ND (1000)	-
Acetophenone	ug/Kg	-	-	ND (420)	ND (1000)	-
Anthracene	ug/Kg	-	-	ND (420)	ND (1000)	-
Atrazine	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzaldehyde	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzo(a)anthracene	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzo(a)pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzo(b)fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzo(g,h,i)perylene	ug/Kg	-	-	ND (420)	ND (1000)	-
Benzo(k)fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-
Biphenyl	ug/Kg	-	-	ND (420)	ND (1000)	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	ND (420)	ND (1000)	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	ND (420)	ND (1000)	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	ND (420)	ND (1000)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Butyl benzylphthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Caprolactam	ug/Kg	-	-	ND (420)	ND (1000)	-
Carbazole	ug/Kg	-	-	ND (420)	ND (1000)	-
Chrysene	ug/Kg	-	-	ND (420)	ND (1000)	-
Dibenz(a,h)anthracene	ug/Kg	-	-	ND (420)	ND (1000)	-
Dibenzofuran	ug/Kg	-	-	ND (420)	ND (1000)	-
Diethyl phthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Dimethyl phthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Di-n-butylphthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Di-n-octyl phthalate	ug/Kg	-	-	ND (420)	ND (1000)	-
Fluoranthene	ug/Kg	-	-	ND (420)	ND (1000)	-
Fluorene	ug/Kg	-	-	ND (420)	ND (1000)	-
Hexachlorobenzene	ug/Kg	-	-	ND (420)	ND (1000)	-
Hexachlorobutadiene	ug/Kg	-	-	ND (420)	ND (1000)	-
Hexachlorocyclopentadiene	ug/Kg	-	-	ND (2000)	ND (4900)	-
Hexachloroethane	ug/Kg	-	-	ND (420)	ND (1000)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH171-00*	*BH171-00*	*BH171-00-BH178-00*	*BH171-00-BH178-00*	*BH172-00*
Sample ID:		*S-12609-041200-KMV-27*	*S-12609-041200-KMV-26*	*S-12609-041200-KMV-42*	*S-12609-041200-KMV-43*	*S-12609-041200-KMV-35*
Sample Depth:		*(5.5-7.5)*	*(7.5-9.5)*	*(0-2)*	*(2-4)*	*(7-9)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	ND (420)	ND (1000)	-
Naphthalene	ug/Kg	-	-	ND (420)	ND (1000)	-
Nitrobenzene	ug/Kg	-	-	ND (420)	ND (1000)	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	ND (420)	ND (1000)	-
N-Nitrosodiphenylamine	ug/Kg	-	-	ND (420)	ND (1000)	-
Pentachlorophenol	ug/Kg	-	-	ND (420)	ND (1000)	-
Phenanthrene	ug/Kg	-	-	ND (420)	ND (1000)	-
Phenol	ug/Kg	-	-	ND (420)	ND (1000)	-
Pyrene	ug/Kg	-	-	ND (420)	ND (1000)	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Aroclor-1221	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Aroclor-1232	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Aroclor-1242	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Aroclor-1248	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	-	-	180
Aroclor-1260	ug/Kg	ND (38)	ND (37)	-	-	ND (38)
Metals						
Aluminum	mg/Kg	-	-	10600	10700	-
Antimony	mg/Kg	-	-	ND (7.6) UJ	ND (7.3) UJ	-
Arsenic	mg/Kg	-	-	5.9 J	5.8 J	-
Barium	mg/Kg	-	-	80.4	83.7	-
Beryllium	mg/Kg	-	-	ND (0.64)	ND (0.61)	-
Cadmium	mg/Kg	-	-	ND (0.64)	ND (0.61)	-
Calcium	mg/Kg	-	-	20800 J	16200 J	-
Chromium	mg/Kg	-	-	15.9	15.9	-
Cobalt	mg/Kg	-	-	10.7 J	6.3 J	-
Copper	mg/Kg	-	-	13.4	17.2	-
Iron	mg/Kg	-	-	17500	17300	-
Lead	mg/Kg	-	-	9.1 J	11.3 J	-
Magnesium	mg/Kg	-	-	9910 J	7850 J	-
Manganese	mg/Kg	-	-	692	286	-
Mercury	mg/Kg	-	-	ND (0.13)	ND (0.12)	-
Nickel	mg/Kg	-	-	25.7 J	15.8 J	-
Potassium	mg/Kg	-	-	1580 J	1060 J	-
Selenium	mg/Kg	-	-	0.65	ND (0.61)	-
Silver	mg/Kg	-	-	ND (1.3)	ND (1.2)	-
Sodium	mg/Kg	-	-	ND (636)	ND (611)	-
Thallium	mg/Kg	-	-	ND (1.3)	ND (1.2)	-
Vanadium	mg/Kg	-	-	23.9	23.5	-
Zinc	mg/Kg	-	-	49.0	47.2	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	26	18	-	-	11

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH172-00*	*BH173-00*	*BH173-00*	*BH174-00*	*BH174-00*
Sample ID:		*S-12609-041200-KMV-34*	*S-12609-041200-KMV-29*	*S-12609-041200-KMV-28*	*S-12609-041200-KMV-31*	*S-12609-041200-KMV-44*
Sample Depth:		*(9-11)*	*(2-4)*	*(4-6)*	*(2-4)*	*(2-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (4.3)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	ND (4.3)
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	ND (4.3)
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (4.3)
1,1-Dichloroethene	ug/Kg	-	-	-	-	1.3 J
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	ND (4.3)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	ND (8.6)
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	ND (4.3)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.3)
1,2-Dichloroethane	ug/Kg	-	-	-	-	ND (4.3)
1,2-Dichloropropane	ug/Kg	-	-	-	-	ND (4.3)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.3)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.3)
2-Butanone	ug/Kg	-	-	-	-	ND (17)
2-Hexanone	ug/Kg	-	-	-	-	ND (17)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	3.5 J
Acetone	ug/Kg	-	-	-	-	ND (17) U
Benzene, isopropyl	ug/Kg	-	-	-	-	ND (4.3)
Benzene	ug/Kg	-	-	-	-	ND (4.3)
Bromodichloromethane	ug/Kg	-	-	-	-	ND (4.3)
Bromoform	ug/Kg	-	-	-	-	ND (4.3)
Bromomethane	ug/Kg	-	-	-	-	ND (8.6)
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.3)
Carbon tetrachloride	ug/Kg	-	-	-	-	ND (4.3)
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.3)
Chloroethane	ug/Kg	-	-	-	-	ND (8.6)
Chloroform	ug/Kg	-	-	-	-	ND (4.3)
Chloromethane	ug/Kg	-	-	-	-	ND (8.6)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.2)
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.3)
Cyclohexane	ug/Kg	-	-	-	-	ND (8.6)
Dibromochloromethane	ug/Kg	-	-	-	-	ND (4.3)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	ND (8.6)
Ethylbenzene	ug/Kg	-	-	-	-	0.29 J
Methyl acetate	ug/Kg	-	-	-	-	ND (8.6)
Methyl cyclohexane	ug/Kg	-	-	-	-	ND (8.6)
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	ND (17)
Methylene chloride	ug/Kg	-	-	-	-	1.9 J
Styrene	ug/Kg	-	-	-	-	0.26 J
Tetrachloroethene	ug/Kg	-	-	-	-	ND (4.3)
Toluene	ug/Kg	-	-	-	-	0.62 J
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.2)
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.3)
Trichloroethene	ug/Kg	-	-	-	-	ND (4.3)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	ND (8.6)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	ND (4.3)
Vinyl chloride	ug/Kg	-	-	-	-	ND (8.6)
Xylene (total)	ug/Kg	-	-	-	-	2.3 J
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH172-00*	*BH173-00*	*BH173-00*	*BH174-00*	*BH174-00*
Sample ID:		*S-12609-041200-KMV-34*	*S-12609-041200-KMV-29*	*S-12609-041200-KMV-28*	*S-12609-041200-KMV-31*	*S-12609-041200-KMV-44*
Sample Depth:		*(9-11)*	*(2-4)*	*(4-6)*	*(2-4)*	*(2-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH172-00*	*BH173-00*	*BH173-00*	*BH174-00*	*BH174-00*
Sample ID:		*S-12609-041200-KMV-34*	*S-12609-041200-KMV-29*	*S-12609-041200-KMV-28*	*S-12609-041200-KMV-31*	*S-12609-041200-KMV-44*
Sample Depth:		*(9-11)*	*(2-4)*	*(4-6)*	*(2-4)*	*(2-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Aroclor-1221	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Aroclor-1232	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Aroclor-1242	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Aroclor-1248	ug/Kg	43000	ND (42)	ND (42)	ND (41)	-
Aroclor-1254	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Aroclor-1260	ug/Kg	ND (4200)	ND (42)	ND (42)	ND (41)	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	210	ND (13)	ND (13)	ND (12)	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH174-00*	*BH175-00*	*BH175-00*	*BH176-00*	*BH176-00*
Sample ID:		*S-12609-041200-KMV-30*	*S-12609-041200-KMV-33*	*S-12609-041200-KMV-32*	*S-12609-041200-KMV-37*	*S-12609-041200-KMV-36*
Sample Depth:		*(4-6)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH174-00*	*BH175-00*	*BH175-00*	*BH176-00*	*BH176-00*
Sample ID:		*S-12609-041200-KMV-30*	*S-12609-041200-KMV-33*	*S-12609-041200-KMV-32*	*S-12609-041200-KMV-37*	*S-12609-041200-KMV-36*
Sample Depth:		*(4-6)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH174-00*	*BH175-00*	*BH175-00*	*BH176-00*	*BH176-00*
Sample ID:		*S-12609-041200-KMV-30*	*S-12609-041200-KMV-33*	*S-12609-041200-KMV-32*	*S-12609-041200-KMV-37*	*S-12609-041200-KMV-36*
Sample Depth:		*(4-6)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Aroclor-1221	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Aroclor-1232	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Aroclor-1242	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Aroclor-1248	ug/Kg	ND (41)	ND (41)	ND (42)	79	ND (41)
Aroclor-1254	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Aroclor-1260	ug/Kg	ND (41)	ND (41)	ND (42)	ND (39)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH177-00*	*BH177-00*	*BH177-00*	*BH178-00*	*BH178-00*
Sample ID:		*S-12609-041200-KMV-39*	*S-12609-041200-KMV-45*	*S-12609-041200-KMV-38*	*S-12609-041200-KMV-41*	*S-12609-041200-KMV-40*
Sample Depth:		*(2.5-4.5)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (4.5)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (4.5)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (4.5)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (4.5)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (4.5)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (4.5)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (9.0)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (4.5)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (4.5)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (4.5)	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (4.5)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (4.5)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (4.5)	-	-	-
2-Butanone	ug/Kg	-	ND (18)	-	-	-
2-Hexanone	ug/Kg	-	ND (18)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (18)	-	-	-
Acetone	ug/Kg	-	ND (18) U	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (4.5)	-	-	-
Benzene	ug/Kg	-	ND (4.5)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (4.5)	-	-	-
Bromoform	ug/Kg	-	ND (4.5)	-	-	-
Bromomethane	ug/Kg	-	ND (9.0)	-	-	-
Carbon disulfide	ug/Kg	-	ND (4.5)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (4.5)	-	-	-
Chlorobenzene	ug/Kg	-	ND (4.5)	-	-	-
Chloroethane	ug/Kg	-	ND (9.0)	-	-	-
Chloroform	ug/Kg	-	ND (4.5)	-	-	-
Chloromethane	ug/Kg	-	ND (9.0)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.2)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (4.5)	-	-	-
Cyclohexane	ug/Kg	-	ND (9.0)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (4.5)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (9.0)	-	-	-
Ethylbenzene	ug/Kg	-	ND (4.5)	-	-	-
Methyl acetate	ug/Kg	-	ND (9.0)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (9.0)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (18)	-	-	-
Methylene chloride	ug/Kg	-	0.72 U	-	-	-
Styrene	ug/Kg	-	ND (4.5)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (4.5)	-	-	-
Toluene	ug/Kg	-	0.42 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.2)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (4.5)	-	-	-
Trichloroethene	ug/Kg	-	ND (4.5)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (9.0)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (4.5)	-	-	-
Vinyl chloride	ug/Kg	-	ND (9.0)	-	-	-
Xylene (total)	ug/Kg	-	1.5 J	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH177-00*	*BH177-00*	*BH177-00*	*BH178-00*	*BH178-00*
Sample ID:		*S-12609-041200-KMV-39*	*S-12609-041200-KMV-45*	*S-12609-041200-KMV-38*	*S-12609-041200-KMV-41*	*S-12609-041200-KMV-40*
Sample Depth:		*(2.5-4.5)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH177-00*	*BH177-00*	*BH177-00*	*BH178-00*	*BH178-00*
Sample ID:		*S-12609-041200-KMV-39*	*S-12609-041200-KMV-45*	*S-12609-041200-KMV-38*	*S-12609-041200-KMV-41*	*S-12609-041200-KMV-40*
Sample Depth:		*(2.5-4.5)*	*(2.5-4.5)*	*(4.5-6.5)*	*(2-4)*	*(4-6)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1221	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1232	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1242	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1248	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1254	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Aroclor-1260	ug/Kg	ND (41)	-	ND (41)	ND (42)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	-	ND (12)	ND (13)	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00*	*BH179-00*	*BH179-00*	*BH179-00-BH183-00(BH-GRP1-00)*	*BH179-00-BH183-00(BH-GRP1-00)*
Sample ID:		*S-12609-041400-KMV-82*	*S-12609-041400-KMV-84*	*S-12609-041400-KMV-83*	*S-12609-041400-KMV-91*	*S-12609-041400-KMV-92*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug / Kg	-	ND (0.12)	-	-	-
1,1,2,2-Tetrachloroethane	ug / Kg	-	ND (0.34)	-	-	-
1,1,2-Trichloroethane	ug / Kg	-	ND (0.20)	-	-	-
1,1-Dichloroethane	ug / Kg	-	ND (0.20)	-	-	-
1,1-Dichloroethene	ug / Kg	-	1.3 J	-	-	-
1,2,4-Trichlorobenzene	ug / Kg	-	ND (0.73)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug / Kg	-	ND (5.8)	-	-	-
1,2-Dibromoethane (EDB)	ug / Kg	-	ND (0.14)	-	-	-
1,2-Dichlorobenzene	ug / Kg	-	ND (0.24)	-	-	-
1,2-Dichloroethane	ug / Kg	-	ND (0.24)	-	-	-
1,2-Dichloropropane	ug / Kg	-	ND (0.28)	-	-	-
1,3-Dichlorobenzene	ug / Kg	-	ND (0.24)	-	-	-
1,4-Dichlorobenzene	ug / Kg	-	ND (0.30)	-	-	-
2-Butanone	ug / Kg	-	ND (0.98)	-	-	-
2-Hexanone	ug / Kg	-	ND (0.69)	-	-	-
4-Methyl-2-pentanone	ug / Kg	-	2.3 J	-	-	-
Acetone	ug / Kg	-	ND (2.3)	-	-	-
Benzene, isopropyl	ug / Kg	-	ND (0.80)	-	-	-
Benzene	ug / Kg	-	ND (0.25)	-	-	-
Bromodichloromethane	ug / Kg	-	ND (0.21)	-	-	-
Bromoform	ug / Kg	-	ND (0.27)	-	-	-
Bromomethane	ug / Kg	-	ND (0.88)	-	-	-
Carbon disulfide	ug / Kg	-	ND (0.34)	-	-	-
Carbon tetrachloride	ug / Kg	-	ND (0.11)	-	-	-
Chlorobenzene	ug / Kg	-	ND (0.22)	-	-	-
Chloroethane	ug / Kg	-	ND (0.44)	-	-	-
Chloroform	ug / Kg	-	ND (0.25)	-	-	-
Chloromethane	ug / Kg	-	ND (0.55)	-	-	-
cis-1,2-Dichloroethene	ug / Kg	-	ND (0.13)	-	-	-
cis-1,3-Dichloropropene	ug / Kg	-	ND (0.25)	-	-	-
Cyclohexane	ug / Kg	-	ND (0.27)	-	-	-
Dibromochloromethane	ug / Kg	-	ND (0.21)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug / Kg	-	ND (0.26)	-	-	-
Ethylbenzene	ug / Kg	-	ND (0.27)	-	-	-
Methyl acetate	ug / Kg	-	ND (0.51)	-	-	-
Methyl cyclohexane	ug / Kg	-	ND (0.27)	-	-	-
Methyl Tert Butyl Ether	ug / Kg	-	ND (0.12)	-	-	-
Methylene chloride	ug / Kg	-	1.5 J	-	-	-
Styrene	ug / Kg	-	ND (0.24)	-	-	-
Tetrachloroethene	ug / Kg	-	ND (0.20)	-	-	-
Toluene	ug / Kg	-	ND (0.25)	-	-	-
trans-1,2-Dichloroethene	ug / Kg	-	ND (0.22)	-	-	-
trans-1,3-Dichloropropene	ug / Kg	-	ND (0.11)	-	-	-
Trichloroethene	ug / Kg	-	ND (0.23)	-	-	-
Trichlorofluoromethane (CFC-11)	ug / Kg	-	ND (0.15)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug / Kg	-	ND (0.41)	-	-	-
Vinyl chloride	ug / Kg	-	ND (0.15)	-	-	-
Xylene (total)	ug / Kg	-	0.86 J	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug / Kg	-	-	-	ND (470)	ND (410)
2,4,6-Trichlorophenol	ug / Kg	-	-	-	ND (470)	ND (410)

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00*	*BH179-00*	*BH179-00*	*BH179-00-BH183-00(BH-GRP1-00)*	*BH179-00-BH183-00(BH-GRP1-00)*
Sample ID:		*S-12609-041400-KMV-82*	*S-12609-041400-KMV-84*	*S-12609-041400-KMV-83*	*S-12609-041400-KMV-91*	*S-12609-041400-KMV-92*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (470)	ND (410)
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (470)	ND (410)
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (2300)	ND (2000)
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (470)	ND (410)
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (470)	ND (410)
2-Chloronaphthalene	ug/Kg	-	-	-	ND (470)	ND (410)
2-Chlorophenol	ug/Kg	-	-	-	ND (470)	ND (410)
2-Methyl naphthalene	ug/Kg	-	-	-	ND (470)	ND (410)
2-Methylphenol	ug/Kg	-	-	-	ND (470)	ND (410)
2-Nitroaniline	ug/Kg	-	-	-	ND (2300)	ND (2000)
2-Nitrophenol	ug/Kg	-	-	-	ND (470)	ND (410)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (2300)	ND (2000)
3-Nitroaniline	ug/Kg	-	-	-	ND (2300)	ND (2000)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (2300)	ND (2000)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (470)	ND (410)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (470)	ND (410)
4-Chloroaniline	ug/Kg	-	-	-	ND (470)	ND (410)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (470)	ND (410)
4-Methylphenol	ug/Kg	-	-	-	ND (470)	ND (410)
4-Nitroaniline	ug/Kg	-	-	-	ND (2300)	ND (2000)
4-Nitrophenol	ug/Kg	-	-	-	ND (2300)	ND (2000)
Acenaphthene	ug/Kg	-	-	-	ND (470)	ND (410)
Acenaphthylene	ug/Kg	-	-	-	ND (470)	ND (410)
Acetophenone	ug/Kg	-	-	-	ND (470)	ND (410)
Anthracene	ug/Kg	-	-	-	ND (470)	ND (410)
Atrazine	ug/Kg	-	-	-	ND (470)	ND (410)
Benzaldehyde	ug/Kg	-	-	-	ND (470)	ND (410)
Benzo(a)anthracene	ug/Kg	-	-	-	170 J	ND (410)
Benzo(a)pyrene	ug/Kg	-	-	-	170 J	ND (410)
Benzo(b)fluoranthene	ug/Kg	-	-	-	230 J	ND (410)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	100 J	ND (410)
Benzo(k)fluoranthene	ug/Kg	-	-	-	62 J	ND (410)
Biphenyl	ug/Kg	-	-	-	ND (470)	ND (410)
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (470)	ND (410)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (470)	ND (410)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (470)	ND (410)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Butyl benzylphthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Caprolactam	ug/Kg	-	-	-	ND (470)	ND (410)
Carbazole	ug/Kg	-	-	-	ND (470)	ND (410)
Chrysene	ug/Kg	-	-	-	200 J	ND (410)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (470)	ND (410)
Dibenzofuran	ug/Kg	-	-	-	ND (470)	ND (410)
Diethyl phthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Dimethyl phthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Di-n-butylphthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (470)	ND (410)
Fluoranthene	ug/Kg	-	-	-	440 J	ND (410)
Fluorene	ug/Kg	-	-	-	ND (470)	ND (410)
Hexachlorobenzene	ug/Kg	-	-	-	ND (470)	ND (410)
Hexachlorobutadiene	ug/Kg	-	-	-	ND (470)	ND (410)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (2300)	ND (2000)
Hexachloroethane	ug/Kg	-	-	-	ND (470)	ND (410)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	100 J	ND (410)

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00*	*BH179-00*	*BH179-00*	*BH179-00-BH183-00(BH-GRP1-00)*	*BH179-00-BH183-00(BH-GRP1-00)*
Sample ID:		*S-12609-041400-KMV-82*	*S-12609-041400-KMV-84*	*S-12609-041400-KMV-83*	*S-12609-041400-KMV-91*	*S-12609-041400-KMV-92*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	ND (470)	ND (410)
Naphthalene	ug/Kg	-	-	-	ND (470)	ND (410)
Nitrobenzene	ug/Kg	-	-	-	ND (470)	ND (410)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (470)	ND (410)
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (470)	ND (410)
Pentachlorophenol	ug/Kg	-	-	-	ND (470)	ND (410)
Phenanthrene	ug/Kg	-	-	-	250 J	ND (410)
Phenol	ug/Kg	-	-	-	ND (470)	ND (410)
Pyrene	ug/Kg	-	-	-	340 J	ND (410)
PCBs						
Aroclor-1016	ug/Kg	ND (17)	ND (18)	ND (19)	ND (47)	ND (41)
Aroclor-1221	ug/Kg	ND (22)	ND (23)	ND (24)	ND (47)	ND (41)
Aroclor-1232	ug/Kg	ND (23)	ND (24)	ND (25)	ND (47)	ND (41)
Aroclor-1242	ug/Kg	ND (27)	ND (29)	ND (30)	ND (47)	ND (41)
Aroclor-1248	ug/Kg	ND (9.2)	ND (9.8)	ND (10)	ND (47)	ND (41)
Aroclor-1254	ug/Kg	ND (23)	ND (24)	ND (25)	140	ND (41)
Aroclor-1260	ug/Kg	ND (16)	ND (17)	ND (18)	ND (47)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	6730	12400
Antimony	mg/Kg	-	-	-	ND (8.6)	ND (7.5)
Arsenic	mg/Kg	-	-	-	3.2	5.3
Barium	mg/Kg	-	-	-	37.5	70.2
Beryllium	mg/Kg	-	-	-	ND (0.71)	ND (0.63)
Cadmium	mg/Kg	-	-	-	ND (0.71)	ND (0.63)
Calcium	mg/Kg	-	-	-	14800	36300
Chromium	mg/Kg	-	-	-	10.6	18.1
Cobalt	mg/Kg	-	-	-	ND (7.1)	6.5
Copper	mg/Kg	-	-	-	12.0	13.8
Iron	mg/Kg	-	-	-	9210	17500
Lead	mg/Kg	-	-	-	11.8	6.5
Magnesium	mg/Kg	-	-	-	5660	18200
Manganese	mg/Kg	-	-	-	120	253
Mercury	mg/Kg	-	-	-	ND (0.14)	ND (0.13)
Nickel	mg/Kg	-	-	-	14.2	17.0
Potassium	mg/Kg	-	-	-	ND (714)	2580
Selenium	mg/Kg	-	-	-	ND (0.71)	ND (0.63)
Silver	mg/Kg	-	-	-	ND (1.4)	ND (1.3)
Sodium	mg/Kg	-	-	-	ND (714)	ND (628)
Thallium	mg/Kg	-	-	-	ND (1.4)	ND (1.3)
Vanadium	mg/Kg	-	-	-	14.5	27.6
Zinc	mg/Kg	-	-	-	35.0	42.0
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (7.8)	ND (8.2)	ND (8.6)	57	ND (13)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00-BH183-00(BH-GRP1-00)*	*BH180-00*	*BH180-00*	*BH180-00*	*BH181-00*
Sample ID:		*S-12609-041400-KMV-93*	*S-12609-041400-KMV-85*	*S-12609-041400-KMV-87*	*S-12609-041400-KMV-86*	*S-12609-041400-KMV-88*
Sample Depth:		*(2-4)*	*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (0.13)	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	ND (0.38)	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	ND (0.22)	-
1,1-Dichloroethane	ug/Kg	-	-	-	ND (0.22)	-
1,1-Dichloroethene	ug/Kg	-	-	-	ND (0.22)	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	ND (0.81)	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	ND (6.5)	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	ND (0.15)	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (0.26)	-
1,2-Dichloroethane	ug/Kg	-	-	-	ND (0.26)	-
1,2-Dichloropropane	ug/Kg	-	-	-	ND (0.32)	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (0.26)	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (0.34)	-
2-Butanone	ug/Kg	-	-	-	ND (1.1)	-
2-Hexanone	ug/Kg	-	-	-	ND (0.76)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	ND (0.50)	-
Acetone	ug/Kg	-	-	-	ND (22) U	-
Benzene, isopropyl	ug/Kg	-	-	-	ND (0.89)	-
Benzene	ug/Kg	-	-	-	ND (0.27)	-
Bromodichloromethane	ug/Kg	-	-	-	ND (0.23)	-
Bromoform	ug/Kg	-	-	-	ND (0.30)	-
Bromomethane	ug/Kg	-	-	-	ND (0.98)	-
Carbon disulfide	ug/Kg	-	-	-	ND (0.38)	-
Carbon tetrachloride	ug/Kg	-	-	-	ND (0.12)	-
Chlorobenzene	ug/Kg	-	-	-	ND (0.24)	-
Chloroethane	ug/Kg	-	-	-	ND (0.49)	-
Chloroform	ug/Kg	-	-	-	ND (0.27)	-
Chloromethane	ug/Kg	-	-	-	ND (0.61)	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	ND (0.14)	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	ND (0.27)	-
Cyclohexane	ug/Kg	-	-	-	ND (0.30)	-
Dibromochloromethane	ug/Kg	-	-	-	ND (0.23)	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	ND (0.28)	-
Ethylbenzene	ug/Kg	-	-	-	ND (0.30)	-
Methyl acetate	ug/Kg	-	-	-	ND (0.57)	-
Methyl cyclohexane	ug/Kg	-	-	-	ND (0.31)	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	ND (0.13)	-
Methylene chloride	ug/Kg	-	-	-	0.89 J	-
Styrene	ug/Kg	-	-	-	ND (0.26)	-
Tetrachloroethene	ug/Kg	-	-	-	ND (0.22)	-
Toluene	ug/Kg	-	-	-	ND (0.27)	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	ND (0.24)	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	ND (0.12)	-
Trichloroethene	ug/Kg	-	-	-	ND (0.25)	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	ND (0.16)	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	ND (0.46)	-
Vinyl chloride	ug/Kg	-	-	-	ND (0.16)	-
Xylene (total)	ug/Kg	-	-	-	ND (0.79)	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	ND (400)	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (400)	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00-BH183-00(BH-GRP1-00)*	*BH180-00*	*BH180-00*	*BH180-00*	*BH181-00*
Sample ID:		*S-12609-041400-KMV-93*	*S-12609-041400-KMV-85*	*S-12609-041400-KMV-87*	*S-12609-041400-KMV-86*	*S-12609-041400-KMV-88*
Sample Depth:		*(2-4)*	*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	ND (400)	-	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (400)	-	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (1900)	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (400)	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (400)	-	-	-	-
2-Chloronaphthalene	ug/Kg	ND (400)	-	-	-	-
2-Chlorophenol	ug/Kg	ND (400)	-	-	-	-
2-Methyl naphthalene	ug/Kg	ND (400)	-	-	-	-
2-Methylphenol	ug/Kg	ND (400)	-	-	-	-
2-Nitroaniline	ug/Kg	ND (1900)	-	-	-	-
2-Nitrophenol	ug/Kg	ND (400)	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1900)	-	-	-	-
3-Nitroaniline	ug/Kg	ND (1900)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (1900)	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (400)	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (400)	-	-	-	-
4-Chloroaniline	ug/Kg	ND (400)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (400)	-	-	-	-
4-Methylphenol	ug/Kg	ND (400)	-	-	-	-
4-Nitroaniline	ug/Kg	ND (1900)	-	-	-	-
4-Nitrophenol	ug/Kg	ND (1900)	-	-	-	-
Acenaphthene	ug/Kg	ND (400)	-	-	-	-
Acenaphthylene	ug/Kg	ND (400)	-	-	-	-
Acetophenone	ug/Kg	ND (400)	-	-	-	-
Anthracene	ug/Kg	ND (400)	-	-	-	-
Atrazine	ug/Kg	ND (400)	-	-	-	-
Benzaldehyde	ug/Kg	ND (400)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (400)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (400)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (400)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (400)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (400)	-	-	-	-
Biphenyl	ug/Kg	ND (400)	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (400)	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (400)	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (400)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (400)	-	-	-	-
Butyl benzylphthalate	ug/Kg	ND (400)	-	-	-	-
Caprolactam	ug/Kg	ND (400)	-	-	-	-
Carbazole	ug/Kg	ND (400)	-	-	-	-
Chrysene	ug/Kg	ND (400)	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (400)	-	-	-	-
Dibenzofuran	ug/Kg	ND (400)	-	-	-	-
Diethyl phthalate	ug/Kg	ND (400)	-	-	-	-
Dimethyl phthalate	ug/Kg	ND (400)	-	-	-	-
Di-n-butylphthalate	ug/Kg	ND (400)	-	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (400)	-	-	-	-
Fluoranthene	ug/Kg	ND (400)	-	-	-	-
Fluorene	ug/Kg	ND (400)	-	-	-	-
Hexachlorobenzene	ug/Kg	ND (400)	-	-	-	-
Hexachlorobutadiene	ug/Kg	ND (400)	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (1900)	-	-	-	-
Hexachloroethane	ug/Kg	ND (400)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (400)	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH179-00-BH183-00(BH-GRP1-00)*	*BH180-00*	*BH180-00*	*BH180-00*	*BH181-00*
Sample ID:		*S-12609-041400-KMV-93*	*S-12609-041400-KMV-85*	*S-12609-041400-KMV-87*	*S-12609-041400-KMV-86*	*S-12609-041400-KMV-88*
Sample Depth:		*(2-4)*	*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	ND (400)	-	-	-	-
Naphthalene	ug/Kg	ND (400)	-	-	-	-
Nitrobenzene	ug/Kg	ND (400)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (400)	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (400)	-	-	-	-
Pentachlorophenol	ug/Kg	ND (400)	-	-	-	-
Phenanthrene	ug/Kg	ND (400)	-	-	-	-
Phenol	ug/Kg	ND (400)	-	-	-	-
Pyrene	ug/Kg	ND (400)	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (16)	ND (18)	ND (20)	ND (87)
Aroclor-1221	ug/Kg	ND (40)	ND (21)	ND (23)	ND (25)	ND (110)
Aroclor-1232	ug/Kg	ND (40)	ND (22)	ND (25)	ND (26)	ND (120)
Aroclor-1242	ug/Kg	ND (40)	ND (26)	ND (29)	ND (31)	ND (140)
Aroclor-1248	ug/Kg	ND (40)	ND (8.9)	ND (10)	ND (11)	ND (47)
Aroclor-1254	ug/Kg	ND (40)	ND (22)	ND (25)	ND (26)	1800
Aroclor-1260	ug/Kg	ND (40)	ND (15)	ND (17)	ND (18)	ND (81)
Metals						
Aluminum	mg/Kg	15800	-	-	-	-
Antimony	mg/Kg	ND (7.3)	-	-	-	-
Arsenic	mg/Kg	6.7	-	-	-	-
Barium	mg/Kg	102	-	-	-	-
Beryllium	mg/Kg	ND (0.61)	-	-	-	-
Cadmium	mg/Kg	ND (0.61)	-	-	-	-
Calcium	mg/Kg	8600	-	-	-	-
Chromium	mg/Kg	22.7	-	-	-	-
Cobalt	mg/Kg	8.6	-	-	-	-
Copper	mg/Kg	18.0	-	-	-	-
Iron	mg/Kg	25900	-	-	-	-
Lead	mg/Kg	9.2	-	-	-	-
Magnesium	mg/Kg	7300	-	-	-	-
Manganese	mg/Kg	308	-	-	-	-
Mercury	mg/Kg	ND (0.12)	-	-	-	-
Nickel	mg/Kg	23.6	-	-	-	-
Potassium	mg/Kg	2040	-	-	-	-
Selenium	mg/Kg	ND (0.61)	-	-	-	-
Silver	mg/Kg	ND (1.2)	-	-	-	-
Sodium	mg/Kg	ND (606)	-	-	-	-
Thallium	mg/Kg	ND (1.2)	-	-	-	-
Vanadium	mg/Kg	33.8	-	-	-	-
Zinc	mg/Kg	46.4	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	12	ND (8.4)	ND (8.8)	84

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH181-00*	*BH181-00*	*BH182-00*	*BH182-00*	*BH182-00*
Sample ID:		*S-12609-041400-KMV-90*	*S-12609-041400-KMV-89*	*S-12609-041400-KMV-79*	*S-12609-041400-KMV-81*	*S-12609-041400-KMV-80*
Sample Depth:		*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*	*(5-7)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH181-00*	*BH181-00*	*BH182-00*	*BH182-00*	*BH182-00*
Sample ID:		*S-12609-041400-KMV-90*	*S-12609-041400-KMV-89*	*S-12609-041400-KMV-79*	*S-12609-041400-KMV-81*	*S-12609-041400-KMV-80*
Sample Depth:		*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*	*(5-7)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH181-00*	*BH181-00*	*BH182-00*	*BH182-00*	*BH182-00*
Sample ID:		*S-12609-041400-KMV-90*	*S-12609-041400-KMV-89*	*S-12609-041400-KMV-79*	*S-12609-041400-KMV-81*	*S-12609-041400-KMV-80*
Sample Depth:		*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*	*(5-7)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (19)	ND (19)	ND (18)	ND (19)	ND (19)
Aroclor-1221	ug/Kg	ND (24)	ND (24)	ND (22)	ND (24)	ND (25)
Aroclor-1232	ug/Kg	ND (25)	ND (25)	ND (23)	ND (25)	ND (26)
Aroclor-1242	ug/Kg	ND (30)	ND (30)	ND (28)	ND (30)	ND (31)
Aroclor-1248	ug/Kg	ND (10)	ND (10)	ND (9.5)	ND (10)	ND (10)
Aroclor-1254	ug/Kg	ND (25)	ND (25)	99	ND (25)	ND (26)
Aroclor-1260	ug/Kg	ND (18)	ND (17)	ND (16)	ND (18)	ND (18)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (8.6)	ND (8.4)	240	ND (8.6)	ND (8.8)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH183-00*	*BH183-00*	*BH183-00*	*BH184-00*	*BH184-00*
Sample ID:		*S-12609-041400-KMV-76*	*S-12609-041400-KMV-78*	*S-12609-041400-KMV-77*	*S-12609-041400-KMV-94*	*S-12609-041400-KMV-96*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(3-5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (0.13) UJ	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (0.39) UJ	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (0.22) UJ	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (0.22) UJ	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (0.22) UJ	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (0.83) UJ	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (6.7) UJ	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (0.16) UJ	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (0.27) UJ	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (0.27) UJ	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (0.33) UJ	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (0.27) UJ	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (0.35) UJ	-	-	-	-
2-Butanone	ug/Kg	3.5 J	-	-	-	-
2-Hexanone	ug/Kg	ND (0.78) UJ	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	2.7 J	-	-	-	-
Acetone	ug/Kg	ND (22) UJ	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (0.91) UJ	-	-	-	-
Benzene	ug/Kg	ND (0.28) UJ	-	-	-	-
Bromodichloromethane	ug/Kg	ND (0.24) UJ	-	-	-	-
Bromoform	ug/Kg	ND (0.30) UJ	-	-	-	-
Bromomethane	ug/Kg	ND (1.0) UJ	-	-	-	-
Carbon disulfide	ug/Kg	ND (0.39) UJ	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (0.12) UJ	-	-	-	-
Chlorobenzene	ug/Kg	ND (0.25) UJ	-	-	-	-
Chloroethane	ug/Kg	ND (0.50) UJ	-	-	-	-
Chloroform	ug/Kg	ND (0.28) UJ	-	-	-	-
Chloromethane	ug/Kg	ND (0.63) UJ	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (0.15) UJ	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (0.28) UJ	-	-	-	-
Cyclohexane	ug/Kg	ND (0.30) UJ	-	-	-	-
Dibromochloromethane	ug/Kg	ND (0.24) UJ	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (0.29) UJ	-	-	-	-
Ethylbenzene	ug/Kg	ND (0.30) UJ	-	-	-	-
Methyl acetate	ug/Kg	ND (0.58) UJ	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (0.31) UJ	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (0.13) UJ	-	-	-	-
Methylene chloride	ug/Kg	ND (0.31) UJ	-	-	-	-
Styrene	ug/Kg	ND (0.27) UJ	-	-	-	-
Tetrachloroethene	ug/Kg	ND (0.22) UJ	-	-	-	-
Toluene	ug/Kg	1.2 J	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (0.25) UJ	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (0.12) UJ	-	-	-	-
Trichloroethene	ug/Kg	ND (0.26) UJ	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (0.17) UJ	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (0.47) UJ	-	-	-	-
Vinyl chloride	ug/Kg	ND (0.17) UJ	-	-	-	-
Xylene (total)	ug/Kg	1.9 J	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH183-00*	*BH183-00*	*BH183-00*	*BH184-00*	*BH184-00*
Sample ID:		*S-12609-041400-KMV-76*	*S-12609-041400-KMV-78*	*S-12609-041400-KMV-77*	*S-12609-041400-KMV-94*	*S-12609-041400-KMV-96*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(3-5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH183-00*	*BH183-00*	*BH183-00*	*BH184-00*	*BH184-00*
Sample ID:		*S-12609-041400-KMV-76*	*S-12609-041400-KMV-78*	*S-12609-041400-KMV-77*	*S-12609-041400-KMV-94*	*S-12609-041400-KMV-96*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(3-5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (16)	ND (17)	ND (19)	ND (37)	ND (38)
Aroclor-1221	ug/Kg	ND (20)	ND (21)	ND (24)	ND (37)	ND (38)
Aroclor-1232	ug/Kg	ND (22)	ND (22)	ND (26)	ND (37)	ND (38)
Aroclor-1242	ug/Kg	ND (26)	ND (27)	ND (31)	ND (37)	ND (38)
Aroclor-1248	ug/Kg	ND (8.7)	ND (9.0)	ND (10)	ND (37)	ND (38)
Aroclor-1254	ug/Kg	ND (22)	ND (22)	ND (26)	75	ND (38)
Aroclor-1260	ug/Kg	ND (15)	ND (16)	ND (18)	ND (37)	ND (38)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (7.3)	ND (7.6)	ND (8.7)	39	23

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH184-00*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*
Sample ID:		*S-12609-041400-KMV-95*	*S-12609-041700-KMV-114*	*S-12609-041700-KMV-115*	*S-12609-041700-KMV-116*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(2-4)*
Sample Date:		*4/14/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/Kg	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-
Acetone	ug/Kg	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-
Benzene	ug/Kg	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-
Bromoform	ug/Kg	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-
Chloroform	ug/Kg	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-
Styrene	ug/Kg	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-
Toluene	ug/Kg	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-
Semi - Volatiles					
2,4,5-Trichlorophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
2,4,6-Trichlorophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH184-00*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*
Sample ID:		*S-12609-041400-KMV-95*	*S-12609-041700-KMV-114*	*S-12609-041700-KMV-115*	*S-12609-041700-KMV-116*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(2-4)*
Sample Date:		*4/14/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
2,4-Dichlorophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
2,4-Dimethylphenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
2,4-Dinitrophenol	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
2,4-Dinitrotoluene	ug/Kg	-	ND (390)	ND (410)	ND (410)
2,6-Dinitrotoluene	ug/Kg	-	ND (390)	ND (410)	ND (410)
2-Chloronaphthalene	ug/Kg	-	ND (390)	ND (410)	ND (410)
2-Chlorophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
2-Methyl naphthalene	ug/Kg	-	ND (390)	ND (410)	ND (410)
2-Methylphenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
2-Nitroaniline	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
2-Nitrophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
3,3'-Dichlorobenzidine	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
3-Nitroaniline	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
4,6-Dinitro-2-methylphenol	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
4-Bromophenyl phenyl ether	ug/Kg	-	ND (390)	ND (410)	ND (410)
4-Chloro-3-methylphenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
4-Chloroaniline	ug/Kg	-	ND (390)	ND (410)	ND (410)
4-Chlorophenyl phenyl ether	ug/Kg	-	ND (390)	ND (410)	ND (410)
4-Methylphenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
4-Nitroaniline	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
4-Nitrophenol	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
Acenaphthene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Acenaphthylene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Acetophenone	ug/Kg	-	ND (390)	ND (410)	ND (410)
Anthracene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Atrazine	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzaldehyde	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzo(a)anthracene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzo(a)pyrene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzo(b)fluoranthene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzo(g,h,i)perylene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Benzo(k)fluoranthene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Biphenyl	ug/Kg	-	ND (390)	ND (410)	ND (410)
bis(2-Chloroethoxy)methane	ug/Kg	-	ND (390)	ND (410)	ND (410)
bis(2-Chloroethyl)ether	ug/Kg	-	ND (390)	ND (410)	ND (410)
bis(2-Chloroisopropyl)ether	ug/Kg	-	ND (390)	ND (410)	ND (410)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Butyl benzylphthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Caprolactam	ug/Kg	-	ND (390)	ND (410)	ND (410)
Carbazole	ug/Kg	-	ND (390)	ND (410)	ND (410)
Chrysene	ug/Kg	-	50 J	ND (410)	ND (410)
Dibenz(a,h)anthracene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Dibenzofuran	ug/Kg	-	ND (390)	ND (410)	ND (410)
Diethyl phthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Dimethyl phthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Di-n-butylphthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Di-n-octyl phthalate	ug/Kg	-	ND (390)	ND (410)	ND (410)
Fluoranthene	ug/Kg	-	83 J	64 J	ND (410)
Fluorene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Hexachlorobenzene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Hexachlorobutadiene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Hexachlorocyclopentadiene	ug/Kg	-	ND (1900)	ND (2000)	ND (2000)
Hexachloroethane	ug/Kg	-	ND (390)	ND (410)	ND (410)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	ND (390)	ND (410)	ND (410)

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH184-00*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*	*BH184-00-BH189-00(BH-GRP2-00)*
Sample ID:		*S-12609-041400-KMV-95*	*S-12609-041700-KMV-114*	*S-12609-041700-KMV-115*	*S-12609-041700-KMV-116*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(2-4)*
Sample Date:		*4/14/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
Isophorone	ug/Kg	-	ND (390)	ND (410)	ND (410)
Naphthalene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Nitrobenzene	ug/Kg	-	ND (390)	ND (410)	ND (410)
N-Nitrosodi-n-propylamine	ug/Kg	-	ND (390)	ND (410)	ND (410)
N-Nitrosodiphenylamine	ug/Kg	-	ND (390)	ND (410)	ND (410)
Pentachlorophenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
Phenanthrene	ug/Kg	-	ND (390)	ND (410)	ND (410)
Phenol	ug/Kg	-	ND (390)	ND (410)	ND (410)
Pyrene	ug/Kg	-	80 J	57 J	ND (410)
PCBs					
Aroclor-1016	ug/Kg	ND (42)	-	-	-
Aroclor-1221	ug/Kg	ND (42)	-	-	-
Aroclor-1232	ug/Kg	ND (42)	-	-	-
Aroclor-1242	ug/Kg	ND (42)	-	-	-
Aroclor-1248	ug/Kg	ND (42)	-	-	-
Aroclor-1254	ug/Kg	ND (42)	-	-	-
Aroclor-1260	ug/Kg	ND (42)	-	-	-
Metals					
Aluminum	mg/Kg	-	6470	14200	13800
Antimony	mg/Kg	-	ND (7.2)	ND (7.5)	ND (7.5)
Arsenic	mg/Kg	-	2.8	4.5	7.7
Barium	mg/Kg	-	37.1	88.3	93.3
Beryllium	mg/Kg	-	ND (0.60)	ND (0.62)	ND (0.62)
Cadmium	mg/Kg	-	ND (0.60)	ND (0.62)	ND (0.62)
Calcium	mg/Kg	-	2640	11800	21200
Chromium	mg/Kg	-	13.3	21.8	20.3
Cobalt	mg/Kg	-	ND (6.0)	8.4	11.7
Copper	mg/Kg	-	10.7	16.1	21.8
Iron	mg/Kg	-	8830	20300	24300
Lead	mg/Kg	-	14.7	6.5	9.8
Magnesium	mg/Kg	-	1360	8930	12100
Manganese	mg/Kg	-	108	435	604
Mercury	mg/Kg	-	ND (0.12)	ND (0.12)	ND (0.12)
Nickel	mg/Kg	-	21.8	21.7	27.8
Potassium	mg/Kg	-	ND (598)	2610	2050
Selenium	mg/Kg	-	ND (0.60)	ND (0.62)	ND (0.62)
Silver	mg/Kg	-	ND (1.2)	ND (1.2)	ND (1.2)
Sodium	mg/Kg	-	ND (598)	ND (622)	ND (622)
Thallium	mg/Kg	-	ND (1.2)	ND (1.2)	ND (1.2)
Vanadium	mg/Kg	-	14.1	27.0	31.2
Zinc	mg/Kg	-	35.2	54.9	54.1
General Chemistry					
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH185-00*	*BH185-00*	*BH185-00*	*BH185-00*	*BH186-00*
Sample ID:		*S-12609-041400-KMV-103*	*S-12609-041400-KMV-97*	*S-12609-041400-KMV-99*	*S-12609-041400-KMV-98*	*S-12609-041400-KMV-100*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH185-00*	*BH185-00*	*BH185-00*	*BH185-00*	*BH186-00*
Sample ID:		*S-12609-041400-KMV-103*	*S-12609-041400-KMV-97*	*S-12609-041400-KMV-99*	*S-12609-041400-KMV-98*	*S-12609-041400-KMV-100*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH185-00*	*BH185-00*	*BH185-00*	*BH185-00*	*BH186-00*
Sample ID:		*S-12609-041400-KMV-103*	*S-12609-041400-KMV-97*	*S-12609-041400-KMV-99*	*S-12609-041400-KMV-98*	*S-12609-041400-KMV-100*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1221	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1232	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1242	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1248	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1254	ug/Kg	ND (35)	ND (36)	ND (41)	ND (40)	ND (37)
Aroclor-1260	ug/Kg	ND (35)	54	ND (41)	ND (40)	ND (37)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	79	66	16	ND (12)	100

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH186-00*	*BH186-00*	*BH186-00*	*BH187-00*	*BH187-00*
Sample ID:		*S-12609-041400-KMV-102*	*S-12609-041400-KMV-101*	*S-12609-041400-KMV-104*	*S-12609-041700-KMV-108*	*S-12609-041700-KMV-110*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(6.5-8.5)*	*(9.5-11.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH186-00*	*BH186-00*	*BH186-00*	*BH187-00*	*BH187-00*
Sample ID:		*S-12609-041400-KMV-102*	*S-12609-041400-KMV-101*	*S-12609-041400-KMV-104*	*S-12609-041700-KMV-108*	*S-12609-041700-KMV-110*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(6.5-8.5)*	*(9.5-11.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH186-00*	*BH186-00*	*BH186-00*	*BH187-00*	*BH187-00*
Sample ID:		*S-12609-041400-KMV-102*	*S-12609-041400-KMV-101*	*S-12609-041400-KMV-104*	*S-12609-041700-KMV-108*	*S-12609-041700-KMV-110*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(6.5-8.5)*	*(9.5-11.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1221	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1232	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1242	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1248	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1254	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Aroclor-1260	ug/Kg	ND (40)	ND (40)	ND (41)	ND (37)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH187-00*	*BH188-00*	*BH188-00*	*BH188-00*	*BH189-00*
Sample ID:		*S-12609-041700-KMV-109*	*S-12609-041700-KMV-105*	*S-12609-041700-KMV-107*	*S-12609-041700-KMV-106*	*S-12609-041700-KMV-111*
Sample Depth:		*(11.5-13.5)*	*(1-3)*	*(2.5-4.5)*	*(4.5-6.5)*	*(1.5-3.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (12)	ND (9.0)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
2-Butanone	ug/Kg	ND (23)	ND (18) U	-	-	-
2-Hexanone	ug/Kg	ND (23)	ND (18)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (23)	ND (18)	-	-	-
Acetone	ug/Kg	ND (23) U	49	-	-	-
Benzene, isopropyl	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Benzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Bromodichloromethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Bromoform	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Bromomethane	ug/Kg	ND (12)	ND (9.0)	-	-	-
Carbon disulfide	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Chlorobenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Chloroethane	ug/Kg	ND (12)	ND (9.0)	-	-	-
Chloroform	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Chloromethane	ug/Kg	ND (12)	ND (9.0)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.9)	ND (2.3)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Cyclohexane	ug/Kg	ND (12)	ND (9.0)	-	-	-
Dibromochloromethane	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (12)	ND (9.0)	-	-	-
Ethylbenzene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Methyl acetate	ug/Kg	ND (12)	ND (9.0)	-	-	-
Methyl cyclohexane	ug/Kg	ND (12)	ND (9.0)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (23)	ND (18)	-	-	-
Methylene chloride	ug/Kg	1.3 U	0.85 U	-	-	-
Styrene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Tetrachloroethene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Toluene	ug/Kg	0.45 J	0.44 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.9)	ND (2.3)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Trichloroethene	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (12)	ND (9.0)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (5.8)	ND (4.5)	-	-	-
Vinyl chloride	ug/Kg	ND (12)	ND (9.0)	-	-	-
Xylene (total)	ug/Kg	ND (12)	ND (9.0)	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH187-00*	*BH188-00*	*BH188-00*	*BH188-00*	*BH189-00*
Sample ID:		*S-12609-041700-KMV-109*	*S-12609-041700-KMV-105*	*S-12609-041700-KMV-107*	*S-12609-041700-KMV-106*	*S-12609-041700-KMV-111*
Sample Depth:		*(11.5-13.5)*	*(1-3)*	*(2.5-4.5)*	*(4.5-6.5)*	*(1.5-3.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH187-00*	*BH188-00*	*BH188-00*	*BH188-00*	*BH189-00*
Sample ID:		*S-12609-041700-KMV-109*	*S-12609-041700-KMV-105*	*S-12609-041700-KMV-107*	*S-12609-041700-KMV-106*	*S-12609-041700-KMV-111*
Sample Depth:		*(11.5-13.5)*	*(1-3)*	*(2.5-4.5)*	*(4.5-6.5)*	*(1.5-3.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1221	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1232	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1242	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1248	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1254	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	430
Aroclor-1260	ug/Kg	ND (43)	ND (36)	ND (42)	ND (42)	ND (38)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (11)	ND (13)	ND (13)	1400

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH189-00*	*BH189-00*	*BH189-00*	*BH190-00*	*BH190-00*
Sample ID:		*S-12609-041700-KMV-117*	*S-12609-041700-KMV-113*	*S-12609-041700-KMV-112*	*S-12609-041700-KMV-121*	*S-12609-041700-KMV-123*
Sample Depth:		*(1.5-3.5)*	*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.7)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (5.7)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (5.7)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (5.7)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.7)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (5.7)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (11)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (5.7)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (5.7)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (5.7)	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (5.7)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (5.7)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (5.7)	-	-	-
2-Butanone	ug/Kg	-	ND (23) U	-	-	-
2-Hexanone	ug/Kg	-	ND (23)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (23)	-	-	-
Acetone	ug/Kg	-	ND (23) U	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (5.7)	-	-	-
Benzene	ug/Kg	-	ND (5.7)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (5.7)	-	-	-
Bromoform	ug/Kg	-	ND (5.7)	-	-	-
Bromomethane	ug/Kg	-	ND (11)	-	-	-
Carbon disulfide	ug/Kg	-	ND (5.7)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (5.7)	-	-	-
Chlorobenzene	ug/Kg	-	ND (5.7)	-	-	-
Chloroethane	ug/Kg	-	ND (11)	-	-	-
Chloroform	ug/Kg	-	ND (5.7)	-	-	-
Chloromethane	ug/Kg	-	ND (11)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.8)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (5.7)	-	-	-
Cyclohexane	ug/Kg	-	ND (11)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (5.7)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (11)	-	-	-
Ethylbenzene	ug/Kg	-	ND (5.7)	-	-	-
Methyl acetate	ug/Kg	-	ND (11)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (11)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (23)	-	-	-
Methylene chloride	ug/Kg	-	1.2 U	-	-	-
Styrene	ug/Kg	-	ND (5.7)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (5.7)	-	-	-
Toluene	ug/Kg	-	0.42 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.8)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (5.7)	-	-	-
Trichloroethene	ug/Kg	-	ND (5.7)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (11)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (5.7)	-	-	-
Vinyl chloride	ug/Kg	-	ND (11)	-	-	-
Xylene (total)	ug/Kg	-	ND (11)	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH189-00*	*BH189-00*	*BH189-00*	*BH190-00*	*BH190-00*
Sample ID:		*S-12609-041700-KMV-117*	*S-12609-041700-KMV-113*	*S-12609-041700-KMV-112*	*S-12609-041700-KMV-121*	*S-12609-041700-KMV-123*
Sample Depth:		*(1.5-3.5)*	*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH189-00*	*BH189-00*	*BH189-00*	*BH190-00*	*BH190-00*
Sample ID:		*S-12609-041700-KMV-117*	*S-12609-041700-KMV-113*	*S-12609-041700-KMV-112*	*S-12609-041700-KMV-121*	*S-12609-041700-KMV-123*
Sample Depth:		*(1.5-3.5)*	*(3-5)*	*(5-7)*	*(0-2)*	*(3-5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Aroclor-1221	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Aroclor-1232	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Aroclor-1242	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Aroclor-1248	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Aroclor-1254	ug/Kg	ND (38)	ND (40)	ND (42)	58	ND (40)
Aroclor-1260	ug/Kg	ND (38)	ND (40)	ND (42)	ND (39)	ND (40)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	ND (12)	ND (13)	83	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*
Sample ID:		*S-12609-041700-KMV-122*	*S-12609-041700-KMV-136*	*S-12609-041700-KMV-137*	*S-12609-041700-KMV-141*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/Kg	ND (5.2)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.2)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.2)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.2)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.2)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (5.2)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (10)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (5.2)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.2)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.2)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-
2-Butanone	ug/Kg	ND (21) U	-	-	-
2-Hexanone	ug/Kg	ND (21)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (21)	-	-	-
Acetone	ug/Kg	ND (24) U	-	-	-
Benzene, isopropyl	ug/Kg	ND (5.2)	-	-	-
Benzene	ug/Kg	ND (5.2)	-	-	-
Bromodichloromethane	ug/Kg	ND (5.2)	-	-	-
Bromoform	ug/Kg	ND (5.2)	-	-	-
Bromomethane	ug/Kg	ND (10)	-	-	-
Carbon disulfide	ug/Kg	ND (5.2)	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.2)	-	-	-
Chlorobenzene	ug/Kg	ND (5.2)	-	-	-
Chloroethane	ug/Kg	ND (10)	-	-	-
Chloroform	ug/Kg	ND (5.2)	-	-	-
Chloromethane	ug/Kg	ND (10)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	3.0	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.2)	-	-	-
Cyclohexane	ug/Kg	ND (10)	-	-	-
Dibromochloromethane	ug/Kg	ND (5.2)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (10)	-	-	-
Ethylbenzene	ug/Kg	ND (5.2)	-	-	-
Methyl acetate	ug/Kg	ND (10)	-	-	-
Methyl cyclohexane	ug/Kg	ND (10)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (21)	-	-	-
Methylene chloride	ug/Kg	0.77 U	-	-	-
Styrene	ug/Kg	ND (5.2)	-	-	-
Tetrachloroethene	ug/Kg	ND (5.2)	-	-	-
Toluene	ug/Kg	ND (5.2)	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.6)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.2)	-	-	-
Trichloroethene	ug/Kg	ND (5.2)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (10)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (5.2)	-	-	-
Vinyl chloride	ug/Kg	0.83 J	-	-	-
Xylene (total)	ug/Kg	ND (10)	-	-	-
Semi - Volatiles					
2,4,5-Trichlorophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
2,4,6-Trichlorophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*
Sample ID:		*S-12609-041700-KMV-122*	*S-12609-041700-KMV-136*	*S-12609-041700-KMV-137*	*S-12609-041700-KMV-141*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
2,4-Dichlorophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
2,4-Dimethylphenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
2,4-Dinitrophenol	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
2,4-Dinitrotoluene	ug/Kg	-	ND (380)	ND (420)	ND (370)
2,6-Dinitrotoluene	ug/Kg	-	ND (380)	ND (420)	ND (370)
2-Chloronaphthalene	ug/Kg	-	ND (380)	ND (420)	ND (370)
2-Chlorophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
2-Methyl naphthalene	ug/Kg	-	ND (380)	ND (420)	ND (370)
2-Methylphenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
2-Nitroaniline	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
2-Nitrophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
3,3'-Dichlorobenzidine	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
3-Nitroaniline	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
4,6-Dinitro-2-methylphenol	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
4-Bromophenyl phenyl ether	ug/Kg	-	ND (380)	ND (420)	ND (370)
4-Chloro-3-methylphenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
4-Chloroaniline	ug/Kg	-	ND (380)	ND (420)	ND (370)
4-Chlorophenyl phenyl ether	ug/Kg	-	ND (380)	ND (420)	ND (370)
4-Methylphenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
4-Nitroaniline	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
4-Nitrophenol	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
Acenaphthene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Acenaphthylene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Acetophenone	ug/Kg	-	ND (380)	ND (420)	ND (370)
Anthracene	ug/Kg	-	45 J	ND (420)	ND (370)
Atrazine	ug/Kg	-	ND (380)	ND (420)	ND (370)
Benzaldehyde	ug/Kg	-	ND (380)	ND (420)	ND (370)
Benzo(a)anthracene	ug/Kg	-	150 J	ND (420)	73 J
Benzo(a)pyrene	ug/Kg	-	130 J	ND (420)	73 J
Benzo(b)fluoranthene	ug/Kg	-	170 J	ND (420)	99 J
Benzo(g,h,i)perylene	ug/Kg	-	88 J	ND (420)	ND (370)
Benzo(k)fluoranthene	ug/Kg	-	61 J	ND (420)	ND (370)
Biphenyl	ug/Kg	-	ND (380)	ND (420)	ND (370)
bis(2-Chloroethoxy)methane	ug/Kg	-	ND (380)	ND (420)	ND (370)
bis(2-Chloroethyl)ether	ug/Kg	-	ND (380)	ND (420)	ND (370)
bis(2-Chloroisopropyl)ether	ug/Kg	-	ND (380)	ND (420)	ND (370)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Butyl benzylphthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Caprolactam	ug/Kg	-	ND (380)	ND (420)	ND (370)
Carbazole	ug/Kg	-	ND (380)	ND (420)	ND (370)
Chrysene	ug/Kg	-	150 J	ND (420)	80 J
Dibenz(a,h)anthracene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Dibenzofuran	ug/Kg	-	ND (380)	ND (420)	ND (370)
Diethyl phthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Dimethyl phthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Di-n-butylphthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Di-n-octyl phthalate	ug/Kg	-	ND (380)	ND (420)	ND (370)
Fluoranthene	ug/Kg	-	260 J	ND (420)	140 J
Fluorene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Hexachlorobenzene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Hexachlorobutadiene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Hexachlorocyclopentadiene	ug/Kg	-	ND (1900)	ND (2100)	ND (1800)
Hexachloroethane	ug/Kg	-	ND (380)	ND (420)	ND (370)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	99 J	ND (420)	ND (370)

TABLE C.1.1

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*	*BH190-00-BH195-00(BH-GRP3-00)*
Sample ID:		*S-12609-041700-KMV-122*	*S-12609-041700-KMV-136*	*S-12609-041700-KMV-137*	*S-12609-041700-KMV-141*
Sample Depth:		*(5-7)*	*(0-2)*	*(0-2)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***				
Isophorone	ug/Kg	-	ND (380)	ND (420)	ND (370)
Naphthalene	ug/Kg	-	ND (380)	ND (420)	ND (370)
Nitrobenzene	ug/Kg	-	ND (380)	ND (420)	ND (370)
N-Nitrosodi-n-propylamine	ug/Kg	-	ND (380)	ND (420)	ND (370)
N-Nitrosodiphenylamine	ug/Kg	-	ND (380)	ND (420)	ND (370)
Pentachlorophenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
Phenanthrene	ug/Kg	-	160 J	ND (420)	73 J
Phenol	ug/Kg	-	ND (380)	ND (420)	ND (370)
Pyrene	ug/Kg	-	220 J	ND (420)	110 J
PCBs					
Aroclor-1016	ug/Kg	ND (40)	-	-	-
Aroclor-1221	ug/Kg	ND (40)	-	-	-
Aroclor-1232	ug/Kg	ND (40)	-	-	-
Aroclor-1242	ug/Kg	ND (40)	-	-	-
Aroclor-1248	ug/Kg	ND (40)	-	-	-
Aroclor-1254	ug/Kg	ND (40)	-	-	-
Aroclor-1260	ug/Kg	ND (40)	-	-	-
Metals					
Aluminum	mg/Kg	-	7350	14600	3030
Antimony	mg/Kg	-	ND (7.0)	ND (7.7)	ND (6.6)
Arsenic	mg/Kg	-	4.3	11.1	4.1
Barium	mg/Kg	-	46.5	85.8	24.3
Beryllium	mg/Kg	-	ND (0.58)	ND (0.64)	ND (0.55)
Cadmium	mg/Kg	-	ND (0.58)	ND (0.64)	ND (0.55)
Calcium	mg/Kg	-	18500	6590	34800
Chromium	mg/Kg	-	10.9	21.6	32.4
Cobalt	mg/Kg	-	ND (5.8)	8.4	ND (5.5)
Copper	mg/Kg	-	11.0	19.6	14.2
Iron	mg/Kg	-	11600	25900	21000
Lead	mg/Kg	-	18.2	7.8	25.5
Magnesium	mg/Kg	-	7460	6450	11900
Manganese	mg/Kg	-	225	220	719
Mercury	mg/Kg	-	ND (0.12)	ND (0.13)	ND (0.11)
Nickel	mg/Kg	-	11.4	25.3	8.8
Potassium	mg/Kg	-	1050	2240	595
Selenium	mg/Kg	-	ND (0.58)	ND (0.64)	ND (0.55)
Silver	mg/Kg	-	ND (1.2)	ND (1.3)	ND (1.1)
Sodium	mg/Kg	-	ND (581)	ND (642)	ND (554)
Thallium	mg/Kg	-	ND (1.2)	ND (1.3)	ND (1.1)
Vanadium	mg/Kg	-	17.4	29.4	17.9
Zinc	mg/Kg	-	31.0	58.2	127
General Chemistry					
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00-BH195-00(BH-GRP3-00)*	*BH191-00*	*BH191-00*	*BH191-00*	*BH192-00*
Sample ID:		*S-12609-041700-KMV-138*	*S-12609-041700-KMV-118*	*S-12609-041700-KMV-120*	*S-12609-041700-KMV-119*	*S-12609-041700-KMV-130*
Sample Depth:		*(2-4)*	*(0-2)*	*(3-5)*	*(5-7)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	ND (410)	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (410)	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00-BH195-00(BH-GRP3-00)*	*BH191-00*	*BH191-00*	*BH191-00*	*BH192-00*
Sample ID:		*S-12609-041700-KMV-138*	*S-12609-041700-KMV-118*	*S-12609-041700-KMV-120*	*S-12609-041700-KMV-119*	*S-12609-041700-KMV-130*
Sample Depth:		*(2-4)*	*(0-2)*	*(3-5)*	*(5-7)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	ND (410)	-	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (410)	-	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (2000)	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (410)	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (410)	-	-	-	-
2-Chloronaphthalene	ug/Kg	ND (410)	-	-	-	-
2-Chlorophenol	ug/Kg	ND (410)	-	-	-	-
2-Methyl naphthalene	ug/Kg	ND (410)	-	-	-	-
2-Methylphenol	ug/Kg	ND (410)	-	-	-	-
2-Nitroaniline	ug/Kg	ND (2000)	-	-	-	-
2-Nitrophenol	ug/Kg	ND (410)	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (2000)	-	-	-	-
3-Nitroaniline	ug/Kg	ND (2000)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (2000)	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (410)	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (410)	-	-	-	-
4-Chloroaniline	ug/Kg	ND (410)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (410)	-	-	-	-
4-Methylphenol	ug/Kg	ND (410)	-	-	-	-
4-Nitroaniline	ug/Kg	ND (2000)	-	-	-	-
4-Nitrophenol	ug/Kg	ND (2000)	-	-	-	-
Acenaphthene	ug/Kg	ND (410)	-	-	-	-
Acenaphthylene	ug/Kg	ND (410)	-	-	-	-
Acetophenone	ug/Kg	ND (410)	-	-	-	-
Anthracene	ug/Kg	ND (410)	-	-	-	-
Atrazine	ug/Kg	ND (410)	-	-	-	-
Benzaldehyde	ug/Kg	ND (410)	-	-	-	-
Benzo(a)anthracene	ug/Kg	72 J	-	-	-	-
Benzo(a)pyrene	ug/Kg	57 J	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	83 J	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (410)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (410)	-	-	-	-
Biphenyl	ug/Kg	ND (410)	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (410)	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (410)	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (410)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (410)	-	-	-	-
Butyl benzylphthalate	ug/Kg	ND (410)	-	-	-	-
Caprolactam	ug/Kg	ND (410)	-	-	-	-
Carbazole	ug/Kg	ND (410)	-	-	-	-
Chrysene	ug/Kg	73 J	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (410)	-	-	-	-
Dibenzofuran	ug/Kg	ND (410)	-	-	-	-
Diethyl phthalate	ug/Kg	ND (410)	-	-	-	-
Dimethyl phthalate	ug/Kg	ND (410)	-	-	-	-
Di-n-butylphthalate	ug/Kg	ND (410)	-	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (410)	-	-	-	-
Fluoranthene	ug/Kg	150 J	-	-	-	-
Fluorene	ug/Kg	ND (410)	-	-	-	-
Hexachlorobenzene	ug/Kg	ND (410)	-	-	-	-
Hexachlorobutadiene	ug/Kg	ND (410)	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (2000)	-	-	-	-
Hexachloroethane	ug/Kg	ND (410)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH190-00-BH195-00(BH-GRP3-00)*	*BH191-00*	*BH191-00*	*BH191-00*	*BH192-00*
Sample ID:		*S-12609-041700-KMV-138*	*S-12609-041700-KMV-118*	*S-12609-041700-KMV-120*	*S-12609-041700-KMV-119*	*S-12609-041700-KMV-130*
Sample Depth:		*(2-4)*	*(0-2)*	*(3-5)*	*(5-7)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	ND (410)	-	-	-	-
Naphthalene	ug/Kg	ND (410)	-	-	-	-
Nitrobenzene	ug/Kg	ND (410)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (410)	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (410)	-	-	-	-
Pentachlorophenol	ug/Kg	ND (410)	-	-	-	-
Phenanthrene	ug/Kg	78 J	-	-	-	-
Phenol	ug/Kg	ND (410)	-	-	-	-
Pyrene	ug/Kg	120 J	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1221	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1232	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1242	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1248	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Aroclor-1254	ug/Kg	-	ND (36)	ND (42)	ND (42)	61
Aroclor-1260	ug/Kg	-	ND (36)	ND (42)	ND (42)	ND (38)
Metals						
Aluminum	mg/Kg	9980	-	-	-	-
Antimony	mg/Kg	ND (7.5)	-	-	-	-
Arsenic	mg/Kg	3.0	-	-	-	-
Barium	mg/Kg	67.2	-	-	-	-
Beryllium	mg/Kg	ND (0.62)	-	-	-	-
Cadmium	mg/Kg	ND (0.62)	-	-	-	-
Calcium	mg/Kg	3070	-	-	-	-
Chromium	mg/Kg	13.8	-	-	-	-
Cobalt	mg/Kg	ND (6.2)	-	-	-	-
Copper	mg/Kg	14.0	-	-	-	-
Iron	mg/Kg	10400	-	-	-	-
Lead	mg/Kg	6.4	-	-	-	-
Magnesium	mg/Kg	2100	-	-	-	-
Manganese	mg/Kg	183	-	-	-	-
Mercury	mg/Kg	ND (0.12)	-	-	-	-
Nickel	mg/Kg	11.2	-	-	-	-
Potassium	mg/Kg	1020	-	-	-	-
Selenium	mg/Kg	ND (0.62)	-	-	-	-
Silver	mg/Kg	ND (1.2)	-	-	-	-
Sodium	mg/Kg	ND (623)	-	-	-	-
Thallium	mg/Kg	ND (1.2)	-	-	-	-
Vanadium	mg/Kg	20.5	-	-	-	-
Zinc	mg/Kg	29.3	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	31	92	ND (13)	25

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH192-00*	*BH192-00*	*BH193-00*	*BH193-00*	*BH193-00*
Sample ID:		*S-12609-041700-KMV-132*	*S-12609-041700-KMV-131*	*S-12609-041700-KMV-133*	*S-12609-041700-KMV-135*	*S-12609-041700-KMV-134*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (5.2)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.2)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.2)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.2)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.2)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (5.2)	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (10)	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (5.2)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.2)	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.2)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (5.2)	-	-	-	-
2-Butanone	ug/Kg	ND (21)	-	-	-	-
2-Hexanone	ug/Kg	ND (21)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (21)	-	-	-	-
Acetone	ug/Kg	ND (21) U	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (5.2)	-	-	-	-
Benzene	ug/Kg	ND (5.2)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (5.2)	-	-	-	-
Bromoform	ug/Kg	ND (5.2)	-	-	-	-
Bromomethane	ug/Kg	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.2)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.2)	-	-	-	-
Chlorobenzene	ug/Kg	ND (5.2)	-	-	-	-
Chloroethane	ug/Kg	ND (10)	-	-	-	-
Chloroform	ug/Kg	ND (5.2)	-	-	-	-
Chloromethane	ug/Kg	ND (10)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.6)	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.2)	-	-	-	-
Cyclohexane	ug/Kg	ND (10)	-	-	-	-
Dibromochloromethane	ug/Kg	ND (5.2)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (10)	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.2)	-	-	-	-
Methyl acetate	ug/Kg	ND (10)	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (10)	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (21)	-	-	-	-
Methylene chloride	ug/Kg	1.2 U	-	-	-	-
Styrene	ug/Kg	ND (5.2)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.2)	-	-	-	-
Toluene	ug/Kg	ND (5.2)	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.6)	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.2)	-	-	-	-
Trichloroethene	ug/Kg	ND (5.2)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (10)	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (5.2)	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (10)	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH192-00*	*BH192-00*	*BH193-00*	*BH193-00*	*BH193-00*
Sample ID:		*S-12609-041700-KMV-132*	*S-12609-041700-KMV-131*	*S-12609-041700-KMV-133*	*S-12609-041700-KMV-135*	*S-12609-041700-KMV-134*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH192-00*	*BH192-00*	*BH193-00*	*BH193-00*	*BH193-00*
Sample ID:		*S-12609-041700-KMV-132*	*S-12609-041700-KMV-131*	*S-12609-041700-KMV-133*	*S-12609-041700-KMV-135*	*S-12609-041700-KMV-134*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1221	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1232	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1242	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1248	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1254	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Aroclor-1260	ug/Kg	ND (41)	ND (42)	ND (38)	ND (41)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (13)	12	15	ND (12)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH193-00*	*BH194-00*	*BH194-00*	*BH194-00*	*BH195-00*
Sample ID:		*S-12609-041700-KMV-140*	*S-12609-041700-KMV-127*	*S-12609-041700-KMV-129*	*S-12609-041700-KMV-128*	*S-12609-041700-KMV-124*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,1,2-Trichloroethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,1-Dichloroethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,1-Dichloroethene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,2,4-Trichlorobenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,2-Dichlorobenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,2-Dichloroethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,2-Dichloropropane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,3-Dichlorobenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
1,4-Dichlorobenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
2-Butanone	ug/Kg	-	ND (18)	42	-	ND (19) U
2-Hexanone	ug/Kg	-	ND (18)	ND (23)	-	ND (19)
4-Methyl-2-pentanone	ug/Kg	-	ND (18)	ND (23)	-	ND (19)
Acetone	ug/Kg	-	ND (18) U	150	-	ND (19) U
Benzene, isopropyl	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Benzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Bromodichloromethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Bromoform	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Bromomethane	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Carbon disulfide	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Carbon tetrachloride	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Chlorobenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Chloroethane	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Chloroform	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Chloromethane	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.3)	ND (2.9)	-	ND (2.4)
cis-1,3-Dichloropropene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Cyclohexane	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Dibromochloromethane	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Ethylbenzene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Methyl acetate	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Methyl cyclohexane	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Methyl Tert Butyl Ether	ug/Kg	-	ND (18)	ND (23)	-	ND (19)
Methylene chloride	ug/Kg	-	0.96 J	1.4 U	-	0.78 U
Styrene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Tetrachloroethene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Toluene	ug/Kg	-	0.56 J	0.54 J	-	0.40 J
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.3)	ND (2.9)	-	ND (2.4)
trans-1,3-Dichloropropene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Trichloroethene	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (4.6)	ND (5.8)	-	ND (4.9)
Vinyl chloride	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Xylene (total)	ug/Kg	-	ND (9.2)	ND (12)	-	ND (9.7)
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH193-00*	*BH194-00*	*BH194-00*	*BH194-00*	*BH195-00*
Sample ID:		*S-12609-041700-KMV-140*	*S-12609-041700-KMV-127*	*S-12609-041700-KMV-129*	*S-12609-041700-KMV-128*	*S-12609-041700-KMV-124*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH193-00*	*BH194-00*	*BH194-00*	*BH194-00*	*BH195-00*
Sample ID:		*S-12609-041700-KMV-140*	*S-12609-041700-KMV-127*	*S-12609-041700-KMV-129*	*S-12609-041700-KMV-128*	*S-12609-041700-KMV-124*
Sample Depth:		*(0-2)*	*(0-2)*	*(3.5-5.5)*	*(5.5-7.5)*	*(0-2)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1221	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1232	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1242	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1248	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Aroclor-1254	ug/Kg	ND (37)	190	ND (2100)	ND (37)	ND (390)
Aroclor-1260	ug/Kg	ND (37)	ND (37)	ND (2100)	ND (37)	ND (390)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	32	14	ND (11)	180

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH195-00*	*BH195-00*	*BH195-00*	*BH208-00*	*BH208-00*
Sample ID:		*S-12609-041700-KMV-126*	*S-12609-041700-KMV-125*	*S-12609-041700-KMV-139*	*S-12609-060800-DEN-134*	*S-12609-060800-DEN-135*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(0-2)*	*(2-4)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH195-00*	*BH195-00*	*BH195-00*	*BH208-00*	*BH208-00*
Sample ID:		*S-12609-041700-KMV-126*	*S-12609-041700-KMV-125*	*S-12609-041700-KMV-139*	*S-12609-060800-DEN-134*	*S-12609-060800-DEN-135*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(0-2)*	*(2-4)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH195-00*	*BH195-00*	*BH195-00*	*BH208-00*	*BH208-00*
Sample ID:		*S-12609-041700-KMV-126*	*S-12609-041700-KMV-125*	*S-12609-041700-KMV-139*	*S-12609-060800-DEN-134*	*S-12609-060800-DEN-135*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(5.5-7.5)*	*(0-2)*	*(2-4)*
Sample Date:		*4/17/2000*	*4/17/2000*	*4/17/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Aroclor-1221	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Aroclor-1232	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Aroclor-1242	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Aroclor-1248	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Aroclor-1254	ug/Kg	ND (42)	ND (43)	ND (42)	150	1100
Aroclor-1260	ug/Kg	ND (42)	ND (43)	ND (42)	ND (37)	ND (390)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	ND (13)	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH208-00*	*BH208-00*	*BH208-00*	*BH208-00*	*BH209-00*
Sample ID:		*S-12609-060800-DEN-136*	*S-12609-060800-DEN-137*	*S-12609-060800-DEN-139*	*S-12609-060800-DEN-138*	*S-12609-060800-DEN-145*
Sample Depth:		*(4-6)*	*(4-6)*	*(6-8)*	*(8-10)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH208-00*	*BH208-00*	*BH208-00*	*BH208-00*	*BH209-00*
Sample ID:		*S-12609-060800-DEN-136*	*S-12609-060800-DEN-137*	*S-12609-060800-DEN-139*	*S-12609-060800-DEN-138*	*S-12609-060800-DEN-145*
Sample Depth:		*(4-6)*	*(4-6)*	*(6-8)*	*(8-10)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH208-00*	*BH208-00*	*BH208-00*	*BH208-00*	*BH209-00*
Sample ID:		*S-12609-060800-DEN-136*	*S-12609-060800-DEN-137*	*S-12609-060800-DEN-139*	*S-12609-060800-DEN-138*	*S-12609-060800-DEN-145*
Sample Depth:		*(4-6)*	*(4-6)*	*(6-8)*	*(8-10)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (380)	ND (2100)	ND (760)	ND (39)
Aroclor-1221	ug/Kg	ND (37)	ND (380)	ND (2100)	ND (760)	ND (39)
Aroclor-1232	ug/Kg	ND (37)	ND (380)	ND (2100)	ND (760)	ND (39)
Aroclor-1242	ug/Kg	ND (37)	ND (380)	ND (2100)	ND (760)	ND (39)
Aroclor-1248	ug/Kg	ND (37)	ND (380)	4900	1700	ND (39)
Aroclor-1254	ug/Kg	160	610	ND (2100)	ND (760)	ND (39)
Aroclor-1260	ug/Kg	ND (37)	ND (380)	ND (2100)	ND (760)	ND (39)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS

FORMER 300,000 GALLON TANK / AST OVERFLOW AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH209-00*	*BH210-00*	*BH210-00*	*BH211-00*	*BH211-00*
Sample ID:		*S-12609-060800-DEN-146*	*S-12609-060800-DEN-132*	*S-12609-060800-DEN-133*	*S-12609-060800-DEN-140*	*S-12609-060800-DEN-141*
Sample Depth:		*(2-4)*	*(0-2)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH209-00*	*BH210-00*	*BH210-00*	*BH211-00*	*BH211-00*
Sample ID:		*S-12609-060800-DEN-146*	*S-12609-060800-DEN-132*	*S-12609-060800-DEN-133*	*S-12609-060800-DEN-140*	*S-12609-060800-DEN-141*
Sample Depth:		*(2-4)*	*(0-2)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH209-00*	*BH210-00*	*BH210-00*	*BH211-00*	*BH211-00*
Sample ID:		*S-12609-060800-DEN-146*	*S-12609-060800-DEN-132*	*S-12609-060800-DEN-133*	*S-12609-060800-DEN-140*	*S-12609-060800-DEN-141*
Sample Depth:		*(2-4)*	*(0-2)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (380)	ND (36)	ND (43)	ND (37)	ND (780)
Aroclor-1221	ug/Kg	ND (380)	ND (36)	ND (43)	ND (37)	ND (780)
Aroclor-1232	ug/Kg	ND (380)	ND (36)	ND (43)	ND (37)	ND (780)
Aroclor-1242	ug/Kg	ND (380)	ND (36)	ND (43)	ND (37)	ND (780)
Aroclor-1248	ug/Kg	2600	ND (36)	ND (43)	ND (37)	4500
Aroclor-1254	ug/Kg	ND (380)	93	ND (43)	ND (37)	ND (780)
Aroclor-1260	ug/Kg	ND (380)	ND (36)	ND (43)	ND (37)	ND (780)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH211-00*	*BH211-00*	*BH211-00*	*BH212-00*	*BH212-00*
Sample ID:		*S-12609-060800-DEN-142*	*S-12609-060800-DEN-143*	*S-12609-060800-DEN-144*	*S-12609-060800-DEN-127*	*S-12609-060800-DEN-128*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH211-00*	*BH211-00*	*BH211-00*	*BH212-00*	*BH212-00*
Sample ID:		*S-12609-060800-DEN-142*	*S-12609-060800-DEN-143*	*S-12609-060800-DEN-144*	*S-12609-060800-DEN-127*	*S-12609-060800-DEN-128*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH211-00*	*BH211-00*	*BH211-00*	*BH212-00*	*BH212-00*
Sample ID:		*S-12609-060800-DEN-142*	*S-12609-060800-DEN-143*	*S-12609-060800-DEN-144*	*S-12609-060800-DEN-127*	*S-12609-060800-DEN-128*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(0-2)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/8/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	ND (38)
Aroclor-1221	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	ND (38)
Aroclor-1232	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	ND (38)
Aroclor-1242	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	ND (38)
Aroclor-1248	ug/Kg	6400	6600 J	2700	ND (200)	ND (38)
Aroclor-1254	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	210
Aroclor-1260	ug/Kg	ND (1900)	ND (400)	ND (390)	ND (200)	ND (38)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH214-00*	*BH214-00*	*BH214-00*	*BH215-00*	*BH215-00*
Sample ID:		*S-12609-060800-DEN-129*	*S-12609-060800-DEN-130*	*S-12609-060800-DEN-131*	*S-12609-060200-DEN-024*	*S-12609-060200-DEN-025*
Sample Depth:		*(0-2)*	*(2-4)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH214-00*	*BH214-00*	*BH214-00*	*BH215-00*	*BH215-00*
Sample ID:		*S-12609-060800-DEN-129*	*S-12609-060800-DEN-130*	*S-12609-060800-DEN-131*	*S-12609-060200-DEN-024*	*S-12609-060200-DEN-025*
Sample Depth:		*(0-2)*	*(2-4)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH214-00*	*BH214-00*	*BH214-00*	*BH215-00*	*BH215-00*
Sample ID:		*S-12609-060800-DEN-129*	*S-12609-060800-DEN-130*	*S-12609-060800-DEN-131*	*S-12609-060200-DEN-024*	*S-12609-060200-DEN-025*
Sample Depth:		*(0-2)*	*(2-4)*	*(6-8)*	*(0-2)*	*(2-4)*
Sample Date:		*6/8/2000*	*6/8/2000*	*6/8/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (18000)	ND (37)	ND (40)	ND (720)	ND (38)
Aroclor-1221	ug/Kg	ND (18000)	ND (37)	ND (40)	ND (720)	ND (38)
Aroclor-1232	ug/Kg	ND (18000)	ND (37)	ND (40)	ND (720)	ND (38)
Aroclor-1242	ug/Kg	ND (18000)	ND (37)	ND (40)	ND (720)	ND (38)
Aroclor-1248	ug/Kg	64000	ND (37)	ND (40)	ND (720)	ND (38)
Aroclor-1254	ug/Kg	ND (18000)	ND (37)	ND (40)	2700	ND (38)
Aroclor-1260	ug/Kg	ND (18000)	ND (37)	ND (40)	ND (720)	ND (38)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH215-00*	*BH215-00*	*BH216-00*	*BH216-00*	*BH216-00*
Sample ID:		*S-12609-060200-DEN-026*	*S-12609-060200-DEN-027*	*S-12609-060200-DEN-028*	*S-12609-060200-DEN-029*	*S-12609-060200-DEN-030*
Sample Depth:		*(6-8)*	*(8-10)*	*(0-2)*	*(2-4)*	*(6-8)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH215-00*	*BH215-00*	*BH216-00*	*BH216-00*	*BH216-00*
Sample ID:		*S-12609-060200-DEN-026*	*S-12609-060200-DEN-027*	*S-12609-060200-DEN-028*	*S-12609-060200-DEN-029*	*S-12609-060200-DEN-030*
Sample Depth:		*(6-8)*	*(8-10)*	*(0-2)*	*(2-4)*	*(6-8)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH215-00*	*BH215-00*	*BH216-00*	*BH216-00*	*BH216-00*
Sample ID:		*S-12609-060200-DEN-026*	*S-12609-060200-DEN-027*	*S-12609-060200-DEN-028*	*S-12609-060200-DEN-029*	*S-12609-060200-DEN-030*
Sample Depth:		*(6-8)*	*(8-10)*	*(0-2)*	*(2-4)*	*(6-8)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1221	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1232	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	800	ND (41)	ND (41)
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (360)	ND (41)	ND (41)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH216-00*	*BH216-00*	*BH216-00*	*BH248-00*	*BH248-00*
Sample ID:		*S-12609-060200-DEN-032*	*S-12609-060200-DEN-031*	*S-12609-060200-DEN-033*	*S-12609-071300-BN-007*	*S-12609-071300-BN-008*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(2-4)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH216-00*	*BH216-00*	*BH216-00*	*BH248-00*	*BH248-00*
Sample ID:		*S-12609-060200-DEN-032*	*S-12609-060200-DEN-031*	*S-12609-060200-DEN-033*	*S-12609-071300-BN-007*	*S-12609-071300-BN-008*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(2-4)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH216-00*	*BH216-00*	*BH216-00*	*BH248-00*	*BH248-00*
Sample ID:		*S-12609-060200-DEN-032*	*S-12609-060200-DEN-031*	*S-12609-060200-DEN-033*	*S-12609-071300-BN-007*	*S-12609-071300-BN-008*
Sample Depth:		*(6-8)*	*(8-10)*	*(8-10)*	*(0-2)*	*(2-4)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/2/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1221	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1232	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (43)	ND (37)	ND (39)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH249-00*	*BH249-00*	*BH250-00*	*BH250-00*	*BH251-00*
Sample ID:		*S-12609-071300-BN-005*	*S-12609-071300-BN-006*	*S-12609-071300-BN-003*	*S-12609-071300-BN-004*	*S-12609-071300-BN-001*
Sample Depth:		*(0-2)*	*(2-4)*	*(0-2)*	*(2-4)*	*(0-2)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH249-00*	*BH249-00*	*BH250-00*	*BH250-00*	*BH251-00*
Sample ID:		*S-12609-071300-BN-005*	*S-12609-071300-BN-006*	*S-12609-071300-BN-003*	*S-12609-071300-BN-004*	*S-12609-071300-BN-001*
Sample Depth:		*(0-2)*	*(2-4)*	*(0-2)*	*(2-4)*	*(0-2)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH249-00*	*BH249-00*	*BH250-00*	*BH250-00*	*BH251-00*
Sample ID:		*S-12609-071300-BN-005*	*S-12609-071300-BN-006*	*S-12609-071300-BN-003*	*S-12609-071300-BN-004*	*S-12609-071300-BN-001*
Sample Depth:		*(0-2)*	*(2-4)*	*(0-2)*	*(2-4)*	*(0-2)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	ND (37)
Aroclor-1221	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	ND (37)
Aroclor-1232	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	ND (37)
Aroclor-1242	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	ND (37)
Aroclor-1248	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	250
Aroclor-1254	ug/Kg	150	ND (38)	1700	ND (39)	ND (37)
Aroclor-1260	ug/Kg	ND (35)	ND (38)	ND (360)	ND (39)	ND (37)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH251-00***
Sample ID:		***S-12609-071300-BN-002***
Sample Depth:		***(2-4)***
Sample Date:		***7/13/2000***
Parameter	***Unit***	
Volatiles		
1,1,1-Trichloroethane	ug / Kg	-
1,1,2,2-Tetrachloroethane	ug / Kg	-
1,1,2-Trichloroethane	ug / Kg	-
1,1-Dichloroethane	ug / Kg	-
1,1-Dichloroethene	ug / Kg	-
1,2,4-Trichlorobenzene	ug / Kg	-
1,2-Dibromo-3-chloropropane (DBCP)	ug / Kg	-
1,2-Dibromoethane (EDB)	ug / Kg	-
1,2-Dichlorobenzene	ug / Kg	-
1,2-Dichloroethane	ug / Kg	-
1,2-Dichloropropane	ug / Kg	-
1,3-Dichlorobenzene	ug / Kg	-
1,4-Dichlorobenzene	ug / Kg	-
2-Butanone	ug / Kg	-
2-Hexanone	ug / Kg	-
4-Methyl-2-pentanone	ug / Kg	-
Acetone	ug / Kg	-
Benzene, isopropyl	ug / Kg	-
Benzene	ug / Kg	-
Bromodichloromethane	ug / Kg	-
Bromoform	ug / Kg	-
Bromomethane	ug / Kg	-
Carbon disulfide	ug / Kg	-
Carbon tetrachloride	ug / Kg	-
Chlorobenzene	ug / Kg	-
Chloroethane	ug / Kg	-
Chloroform	ug / Kg	-
Chloromethane	ug / Kg	-
cis-1,2-Dichloroethene	ug / Kg	-
cis-1,3-Dichloropropene	ug / Kg	-
Cyclohexane	ug / Kg	-
Dibromochloromethane	ug / Kg	-
Dichlorodifluoromethane (CFC-12)	ug / Kg	-
Ethylbenzene	ug / Kg	-
Methyl acetate	ug / Kg	-
Methyl cyclohexane	ug / Kg	-
Methyl Tert Butyl Ether	ug / Kg	-
Methylene chloride	ug / Kg	-
Styrene	ug / Kg	-
Tetrachloroethene	ug / Kg	-
Toluene	ug / Kg	-
trans-1,2-Dichloroethene	ug / Kg	-
trans-1,3-Dichloropropene	ug / Kg	-
Trichloroethene	ug / Kg	-
Trichlorofluoromethane (CFC-11)	ug / Kg	-
Trifluorotrichloroethane (Freon 113)	ug / Kg	-
Vinyl chloride	ug / Kg	-
Xylene (total)	ug / Kg	-
Semi - Volatiles		
2,4,5-Trichlorophenol	ug / Kg	-
2,4,6-Trichlorophenol	ug / Kg	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH251-00***
Sample ID:		***S-12609-071300-BN-002***
Sample Depth:		***(2-4)***
Sample Date:		***7/13/2000***
Parameter	***Unit***	
2,4-Dichlorophenol	ug/Kg	-
2,4-Dimethylphenol	ug/Kg	-
2,4-Dinitrophenol	ug/Kg	-
2,4-Dinitrotoluene	ug/Kg	-
2,6-Dinitrotoluene	ug/Kg	-
2-Chloronaphthalene	ug/Kg	-
2-Chlorophenol	ug/Kg	-
2-Methyl naphthalene	ug/Kg	-
2-Methylphenol	ug/Kg	-
2-Nitroaniline	ug/Kg	-
2-Nitrophenol	ug/Kg	-
3,3'-Dichlorobenzidine	ug/Kg	-
3-Nitroaniline	ug/Kg	-
4,6-Dinitro-2-methylphenol	ug/Kg	-
4-Bromophenyl phenyl ether	ug/Kg	-
4-Chloro-3-methylphenol	ug/Kg	-
4-Chloroaniline	ug/Kg	-
4-Chlorophenyl phenyl ether	ug/Kg	-
4-Methylphenol	ug/Kg	-
4-Nitroaniline	ug/Kg	-
4-Nitrophenol	ug/Kg	-
Acenaphthene	ug/Kg	-
Acenaphthylene	ug/Kg	-
Acetophenone	ug/Kg	-
Anthracene	ug/Kg	-
Atrazine	ug/Kg	-
Benzaldehyde	ug/Kg	-
Benzo(a)anthracene	ug/Kg	-
Benzo(a)pyrene	ug/Kg	-
Benzo(b)fluoranthene	ug/Kg	-
Benzo(g,h,i)perylene	ug/Kg	-
Benzo(k)fluoranthene	ug/Kg	-
Biphenyl	ug/Kg	-
bis(2-Chloroethoxy)methane	ug/Kg	-
bis(2-Chloroethyl)ether	ug/Kg	-
bis(2-Chloroisopropyl)ether	ug/Kg	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-
Butyl benzylphthalate	ug/Kg	-
Caprolactam	ug/Kg	-
Carbazole	ug/Kg	-
Chrysene	ug/Kg	-
Dibenz(a,h)anthracene	ug/Kg	-
Dibenzofuran	ug/Kg	-
Diethyl phthalate	ug/Kg	-
Dimethyl phthalate	ug/Kg	-
Di-n-butylphthalate	ug/Kg	-
Di-n-octyl phthalate	ug/Kg	-
Fluoranthene	ug/Kg	-
Fluorene	ug/Kg	-
Hexachlorobenzene	ug/Kg	-
Hexachlorobutadiene	ug/Kg	-
Hexachlorocyclopentadiene	ug/Kg	-
Hexachloroethane	ug/Kg	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH251-00***
Sample ID:		***S-12609-071300-BN-002***
Sample Depth:		***(2-4)***
Sample Date:		***7/13/2000***
Parameter	***Unit***	
Isophorone	ug/Kg	-
Naphthalene	ug/Kg	-
Nitrobenzene	ug/Kg	-
N-Nitrosodi-n-propylamine	ug/Kg	-
N-Nitrosodiphenylamine	ug/Kg	-
Pentachlorophenol	ug/Kg	-
Phenanthrene	ug/Kg	-
Phenol	ug/Kg	-
Pyrene	ug/Kg	-
PCBs		
Aroclor-1016	ug/Kg	ND (39)
Aroclor-1221	ug/Kg	ND (39)
Aroclor-1232	ug/Kg	ND (39)
Aroclor-1242	ug/Kg	ND (39)
Aroclor-1248	ug/Kg	ND (39)
Aroclor-1254	ug/Kg	ND (39)
Aroclor-1260	ug/Kg	ND (39)
Metals		
Aluminum	mg/Kg	-
Antimony	mg/Kg	-
Arsenic	mg/Kg	-
Barium	mg/Kg	-
Beryllium	mg/Kg	-
Cadmium	mg/Kg	-
Calcium	mg/Kg	-
Chromium	mg/Kg	-
Cobalt	mg/Kg	-
Copper	mg/Kg	-
Iron	mg/Kg	-
Lead	mg/Kg	-
Magnesium	mg/Kg	-
Manganese	mg/Kg	-
Mercury	mg/Kg	-
Nickel	mg/Kg	-
Potassium	mg/Kg	-
Selenium	mg/Kg	-
Silver	mg/Kg	-
Sodium	mg/Kg	-
Thallium	mg/Kg	-
Vanadium	mg/Kg	-
Zinc	mg/Kg	-
General Chemistry		
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

		SED6-00	SED7-00	SED8-00	SED9-00	SED10-00
Sample ID:		***S-12609-041200-DRD-400***	***S-12609-041200-DRD-401***	***S-12609-041200-DRD-402***	***S-12609-041200-DRD-403***	***S-12609-041200-DRD-404***
Sample Depth:		***(0-0.5)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED6-00*	*SED7-00*	*SED8-00*	*SED9-00*	*SED10-00*
Sample ID:		*S-12609-041200-DRD-400*	*S-12609-041200-DRD-401*	*S-12609-041200-DRD-402*	*S-12609-041200-DRD-403*	*S-12609-041200-DRD-404*
Sample Depth:		*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED6-00*	*SED7-00*	*SED8-00*	*SED9-00*	*SED10-00*
Sample ID:		*S-12609-041200-DRD-400*	*S-12609-041200-DRD-401*	*S-12609-041200-DRD-402*	*S-12609-041200-DRD-403*	*S-12609-041200-DRD-404*
Sample Depth:		*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Aroclor-1221	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Aroclor-1232	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Aroclor-1242	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Aroclor-1248	ug/Kg	640	2800 J	170	3800	3700
Aroclor-1254	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Aroclor-1260	ug/Kg	ND (46)	ND (450)	ND (42)	ND (270)	ND (650)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (14)	15	ND (13)	19	200

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED11-00*	*SED12-00*	*SED13-00*	*SED6-00-SED13-00*	*SED17-00*
Sample ID:		*S-12609-041200-DRD-405*	*S-12609-041200-DRD-406*	*S-12609-041200-DRD-407*	*S-12609-041200-DRD-408*	*SD-12609-060100-DEN-03*
Sample Depth:		*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*6/1/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (11)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (11)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (11)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (11)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (11)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (11)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (21)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (11)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (11)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (11)	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (11)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (11)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (11)	-	-	-
2-Butanone	ug/Kg	-	8.1 J	-	-	-
2-Hexanone	ug/Kg	-	ND (43)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	3.7 J	-	-	-
Acetone	ug/Kg	-	31 J	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (11)	-	-	-
Benzene	ug/Kg	-	ND (11)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (11)	-	-	-
Bromoform	ug/Kg	-	ND (11)	-	-	-
Bromomethane	ug/Kg	-	ND (21)	-	-	-
Carbon disulfide	ug/Kg	-	ND (11)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (11)	-	-	-
Chlorobenzene	ug/Kg	-	ND (11)	-	-	-
Chloroethane	ug/Kg	-	ND (21)	-	-	-
Chloroform	ug/Kg	-	ND (11)	-	-	-
Chloromethane	ug/Kg	-	ND (21)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (5.4)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (11)	-	-	-
Cyclohexane	ug/Kg	-	ND (21)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (11)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (21)	-	-	-
Ethylbenzene	ug/Kg	-	ND (11)	-	-	-
Methyl acetate	ug/Kg	-	ND (21)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (21)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (43)	-	-	-
Methylene chloride	ug/Kg	-	1.7 J	-	-	-
Styrene	ug/Kg	-	ND (11)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (11)	-	-	-
Toluene	ug/Kg	-	0.86 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (5.4)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (11)	-	-	-
Trichloroethene	ug/Kg	-	ND (11)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (21)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (11)	-	-	-
Vinyl chloride	ug/Kg	-	ND (21)	-	-	-
Xylene (total)	ug/Kg	-	4.2 J	-	-	-
Semi - Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (480)	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (480)	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED11-00*	*SED12-00*	*SED13-00*	*SED6-00-SED13-00*	*SED17-00*
Sample ID:		*S-12609-041200-DRD-405*	*S-12609-041200-DRD-406*	*S-12609-041200-DRD-407*	*S-12609-041200-DRD-408*	*SD-12609-060100-DEN-03*
Sample Depth:		*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*6/1/2000*
Parameter	***Unit***					
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (480)	-
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (480)	-
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (2300)	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (480)	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (480)	-
2-Chloronaphthalene	ug/Kg	-	-	-	ND (480)	-
2-Chlorophenol	ug/Kg	-	-	-	ND (480)	-
2-Methyl naphthalene	ug/Kg	-	-	-	ND (480)	-
2-Methylphenol	ug/Kg	-	-	-	ND (480)	-
2-Nitroaniline	ug/Kg	-	-	-	ND (2300)	-
2-Nitrophenol	ug/Kg	-	-	-	ND (480)	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (2300)	-
3-Nitroaniline	ug/Kg	-	-	-	ND (2300)	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (2300)	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (480)	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (480)	-
4-Chloroaniline	ug/Kg	-	-	-	ND (480)	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (480)	-
4-Methylphenol	ug/Kg	-	-	-	ND (480)	-
4-Nitroaniline	ug/Kg	-	-	-	ND (2300)	-
4-Nitrophenol	ug/Kg	-	-	-	ND (2300)	-
Acenaphthene	ug/Kg	-	-	-	150 J	-
Acenaphthylene	ug/Kg	-	-	-	ND (480)	-
Acetophenone	ug/Kg	-	-	-	ND (480)	-
Anthracene	ug/Kg	-	-	-	480	-
Atrazine	ug/Kg	-	-	-	ND (480)	-
Benzaldehyde	ug/Kg	-	-	-	ND (480)	-
Benzo(a)anthracene	ug/Kg	-	-	-	1200	-
Benzo(a)pyrene	ug/Kg	-	-	-	1400	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	1800	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	980	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	670	-
Biphenyl	ug/Kg	-	-	-	ND (480)	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (480)	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (480)	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (480)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	130 J	-
Butyl benzylphthalate	ug/Kg	-	-	-	ND (480)	-
Caprolactam	ug/Kg	-	-	-	ND (480)	-
Carbazole	ug/Kg	-	-	-	140 J	-
Chrysene	ug/Kg	-	-	-	1500	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	190 J	-
Dibenzofuran	ug/Kg	-	-	-	120 J	-
Diethyl phthalate	ug/Kg	-	-	-	ND (480)	-
Dimethyl phthalate	ug/Kg	-	-	-	ND (480)	-
Di-n-butylphthalate	ug/Kg	-	-	-	ND (480)	-
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (480)	-
Fluoranthene	ug/Kg	-	-	-	3300	-
Fluorene	ug/Kg	-	-	-	220 J	-
Hexachlorobenzene	ug/Kg	-	-	-	ND (480)	-
Hexachlorobutadiene	ug/Kg	-	-	-	ND (480)	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (2300)	-
Hexachloroethane	ug/Kg	-	-	-	ND (480)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	1100	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED11-00*	*SED12-00*	*SED13-00*	*SED6-00-SED13-00*	*SED17-00*
Sample ID:		*S-12609-041200-DRD-405*	*S-12609-041200-DRD-406*	*S-12609-041200-DRD-407*	*S-12609-041200-DRD-408*	*SD-12609-060100-DEN-03*
Sample Depth:		*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*	
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*6/1/2000*
Parameter	***Unit***					
Isophorone	ug/Kg	-	-	-	ND (480)	-
Naphthalene	ug/Kg	-	-	-	ND (480)	-
Nitrobenzene	ug/Kg	-	-	-	ND (480)	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (480)	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (480)	-
Pentachlorophenol	ug/Kg	-	-	-	ND (480)	-
Phenanthrene	ug/Kg	-	-	-	1800	-
Phenol	ug/Kg	-	-	-	ND (480)	-
Pyrene	ug/Kg	-	-	-	2600	-
PCBs						
Aroclor-1016	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Aroclor-1221	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Aroclor-1232	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Aroclor-1242	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Aroclor-1248	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Aroclor-1254	ug/Kg	210	150	95	-	980
Aroclor-1260	ug/Kg	ND (48)	ND (53)	ND (45)	-	ND (240)
Metals						
Aluminum	mg/Kg	-	-	-	7760	-
Antimony	mg/Kg	-	-	-	ND (8.7)	-
Arsenic	mg/Kg	-	-	-	4.6	-
Barium	mg/Kg	-	-	-	48.4	-
Beryllium	mg/Kg	-	-	-	ND (0.72)	-
Cadmium	mg/Kg	-	-	-	ND (0.72)	-
Calcium	mg/Kg	-	-	-	12400	-
Chromium	mg/Kg	-	-	-	14.6	-
Cobalt	mg/Kg	-	-	-	ND (7.2)	-
Copper	mg/Kg	-	-	-	19.5	-
Iron	mg/Kg	-	-	-	11900	-
Lead	mg/Kg	-	-	-	22.7	-
Magnesium	mg/Kg	-	-	-	5310	-
Manganese	mg/Kg	-	-	-	259	-
Mercury	mg/Kg	-	-	-	ND (0.14)	-
Nickel	mg/Kg	-	-	-	13.2	-
Potassium	mg/Kg	-	-	-	1250	-
Selenium	mg/Kg	-	-	-	1.1	-
Silver	mg/Kg	-	-	-	ND (1.4)	-
Sodium	mg/Kg	-	-	-	ND (722)	-
Thallium	mg/Kg	-	-	-	ND (1.4)	-
Vanadium	mg/Kg	-	-	-	17.9	-
Zinc	mg/Kg	-	-	-	70.1	-
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (15)	100	25	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED18-00*	*SED19-00*
Sample ID:		*SD-12609-060100-DEN-04*	*SD-12609-060100-DEN-02*
Sample Depth:			
Sample Date:		*6/1/2000*	*6/1/2000*
Parameter	***Unit***		
Volatiles			
1,1,1-Trichloroethane	ug/Kg	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-
1,1,2-Trichloroethane	ug/Kg	-	-
1,1-Dichloroethane	ug/Kg	-	-
1,1-Dichloroethene	ug/Kg	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-
1,2-Dichlorobenzene	ug/Kg	-	-
1,2-Dichloroethane	ug/Kg	-	-
1,2-Dichloropropane	ug/Kg	-	-
1,3-Dichlorobenzene	ug/Kg	-	-
1,4-Dichlorobenzene	ug/Kg	-	-
2-Butanone	ug/Kg	-	-
2-Hexanone	ug/Kg	-	-
4-Methyl-2-pentanone	ug/Kg	-	-
Acetone	ug/Kg	-	-
Benzene, isopropyl	ug/Kg	-	-
Benzene	ug/Kg	-	-
Bromodichloromethane	ug/Kg	-	-
Bromoform	ug/Kg	-	-
Bromomethane	ug/Kg	-	-
Carbon disulfide	ug/Kg	-	-
Carbon tetrachloride	ug/Kg	-	-
Chlorobenzene	ug/Kg	-	-
Chloroethane	ug/Kg	-	-
Chloroform	ug/Kg	-	-
Chloromethane	ug/Kg	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-
Cyclohexane	ug/Kg	-	-
Dibromochloromethane	ug/Kg	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-
Ethylbenzene	ug/Kg	-	-
Methyl acetate	ug/Kg	-	-
Methyl cyclohexane	ug/Kg	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-
Methylene chloride	ug/Kg	-	-
Styrene	ug/Kg	-	-
Tetrachloroethene	ug/Kg	-	-
Toluene	ug/Kg	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-
Trichloroethene	ug/Kg	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-
Vinyl chloride	ug/Kg	-	-
Xylene (total)	ug/Kg	-	-
Semi - Volatiles			
2,4,5-Trichlorophenol	ug/Kg	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED18-00*	*SED19-00*
Sample ID:		*SD-12609-060100-DEN-04*	*SD-12609-060100-DEN-02*
Sample Depth:			
Sample Date:		*6/1/2000*	*6/1/2000*
Parameter	***Unit***		
2,4-Dichlorophenol	ug/Kg	-	-
2,4-Dimethylphenol	ug/Kg	-	-
2,4-Dinitrophenol	ug/Kg	-	-
2,4-Dinitrotoluene	ug/Kg	-	-
2,6-Dinitrotoluene	ug/Kg	-	-
2-Chloronaphthalene	ug/Kg	-	-
2-Chlorophenol	ug/Kg	-	-
2-Methyl naphthalene	ug/Kg	-	-
2-Methylphenol	ug/Kg	-	-
2-Nitroaniline	ug/Kg	-	-
2-Nitrophenol	ug/Kg	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-
3-Nitroaniline	ug/Kg	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-
4-Chloroaniline	ug/Kg	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-
4-Methylphenol	ug/Kg	-	-
4-Nitroaniline	ug/Kg	-	-
4-Nitrophenol	ug/Kg	-	-
Acenaphthene	ug/Kg	-	-
Acenaphthylene	ug/Kg	-	-
Acetophenone	ug/Kg	-	-
Anthracene	ug/Kg	-	-
Atrazine	ug/Kg	-	-
Benzaldehyde	ug/Kg	-	-
Benzo(a)anthracene	ug/Kg	-	-
Benzo(a)pyrene	ug/Kg	-	-
Benzo(b)fluoranthene	ug/Kg	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-
Benzo(k)fluoranthene	ug/Kg	-	-
Biphenyl	ug/Kg	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-
Butyl benzylphthalate	ug/Kg	-	-
Caprolactam	ug/Kg	-	-
Carbazole	ug/Kg	-	-
Chrysene	ug/Kg	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-
Dibenzofuran	ug/Kg	-	-
Diethyl phthalate	ug/Kg	-	-
Dimethyl phthalate	ug/Kg	-	-
Di-n-butylphthalate	ug/Kg	-	-
Di-n-octyl phthalate	ug/Kg	-	-
Fluoranthene	ug/Kg	-	-
Fluorene	ug/Kg	-	-
Hexachlorobenzene	ug/Kg	-	-
Hexachlorobutadiene	ug/Kg	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-
Hexachloroethane	ug/Kg	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-

TABLE C.1.2

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK / AST OVERFLOW AREA
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED18-00***	***SED19-00***
Sample ID:		***SD-12609-060100-DEN-04***	***SD-12609-060100-DEN-02***
Sample Depth:			
Sample Date:		***6/1/2000***	***6/1/2000***
Parameter	***Unit***		
Isophorone	ug/Kg	-	-
Naphthalene	ug/Kg	-	-
Nitrobenzene	ug/Kg	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-
Pentachlorophenol	ug/Kg	-	-
Phenanthrene	ug/Kg	-	-
Phenol	ug/Kg	-	-
Pyrene	ug/Kg	-	-
PCBs			
Aroclor-1016	ug/Kg	ND (260)	ND (42)
Aroclor-1221	ug/Kg	ND (260)	ND (42)
Aroclor-1232	ug/Kg	ND (260)	ND (42)
Aroclor-1242	ug/Kg	ND (260)	ND (42)
Aroclor-1248	ug/Kg	4100	ND (42)
Aroclor-1254	ug/Kg	ND (260)	ND (42)
Aroclor-1260	ug/Kg	ND (260)	ND (42)
Metals			
Aluminum	mg/Kg	-	-
Antimony	mg/Kg	-	-
Arsenic	mg/Kg	-	-
Barium	mg/Kg	-	-
Beryllium	mg/Kg	-	-
Cadmium	mg/Kg	-	-
Calcium	mg/Kg	-	-
Chromium	mg/Kg	-	-
Cobalt	mg/Kg	-	-
Copper	mg/Kg	-	-
Iron	mg/Kg	-	-
Lead	mg/Kg	-	-
Magnesium	mg/Kg	-	-
Manganese	mg/Kg	-	-
Mercury	mg/Kg	-	-
Nickel	mg/Kg	-	-
Potassium	mg/Kg	-	-
Selenium	mg/Kg	-	-
Silver	mg/Kg	-	-
Sodium	mg/Kg	-	-
Thallium	mg/Kg	-	-
Vanadium	mg/Kg	-	-
Zinc	mg/Kg	-	-
General Chemistry			
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SECTION 2

SOUTHEAST BERM

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-100-98*	*BH-104-98*	*BH-105-98*	*BH-111-98*	*BH-112-98*	*BH-113-98*	*BH-114-98*
Sample ID:		*S-10236-010598-FCE-002*	*S-10236-011298-FCE-010*	*S-10236-011298-FCE-011*	*S-10236-030598-FCE-019*	*S-10236-030598-FCE-020*	*S-10236-030598-FCE-021*	*S-10236-030598-FCE-023*
Sample Depth:		*(3-5)*	*(4-6)*	*(1-6)*	*(7.6-8.3)*	*(9-11)*	*(8-9.5)*	*(7.5-8.3)*
Sample Date:		*1/5/1998*	*1/12/1998*	*1/12/1998*	*3/5/1998*	*3/5/1998*	*3/5/1998*	*3/5/1998*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
2-Hexanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
Acetone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Bromoform	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Bromomethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	ND (100)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Chlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Chloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Chloroform	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Chloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Styrene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Toluene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	ND (30)	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-100-98*	*BH-104-98*	*BH-105-98*	*BH-111-98*	*BH-112-98*	*BH-113-98*	*BH-114-98*
Sample ID:		*S-10236-010598-FCE-002*	*S-10236-011298-FCE-010*	*S-10236-011298-FCE-011*	*S-10236-030598-FCE-019*	*S-10236-030598-FCE-020*	*S-10236-030598-FCE-021*	*S-10236-030598-FCE-023*
Sample Depth:		*(3-5)*	*(4-6)*	*(1-6)*	*(7.6-8.3)*	*(9-11)*	*(8-9.5)*	*(7.5-8.3)*
Sample Date:		*1/5/1998*	*1/12/1998*	*1/12/1998*	*3/5/1998*	*3/5/1998*	*3/5/1998*	*3/5/1998*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2,4-Dichlorophenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (390)	ND (330) UJ	ND (330) UJ	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2-Chloronaphthalene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2-Chlorophenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2-Methyl naphthalene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2-Methylphenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
2-Nitroaniline	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
2-Nitrophenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
3-Nitroaniline	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
4-Chloroaniline	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
4-Methylphenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
4-Nitroaniline	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
4-Nitrophenol	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
Acenaphthene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Acenaphthylene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Butyl benzylphthalate	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Chrysene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Dibenzofuran	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Diethyl phthalate	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Dimethyl phthalate	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Di-n-butylphthalate	ug/Kg	ND (390)	ND (330) UJ	ND (330) UJ	-	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Fluoranthene	ug/Kg	ND (390)	ND (330)	590	-	-	-	-
Fluorene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Hexachlorobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Hexachlorobutadiene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Hexachloroethane	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Isophorone	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Naphthalene	ug/Kg	ND (390)	ND (330) UJ	ND (330) UJ	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-100-98***	***BH-104-98***	***BH-105-98***	***BH-111-98***	***BH-112-98***	***BH-113-98***	***BH-114-98***
Sample ID:		***S-10236-010598-FCE-002***	***S-10236-011298-FCE-010***	***S-10236-011298-FCE-011***	***S-10236-030598-FCE-019***	***S-10236-030598-FCE-020***	***S-10236-030598-FCE-021***	***S-10236-030598-FCE-023***
Sample Depth:		***(3-5)***	***(4-6)***	***(1-6)***	***(7.6-8.3)***	***(9-11)***	***(8-9.5)***	***(7.5-8.3)***
Sample Date:		***1/5/1998***	***1/12/1998***	***1/12/1998***	***3/5/1998***	***3/5/1998***	***3/5/1998***	***3/5/1998***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (390)	ND (330) UJ	ND (330) UJ	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Pentachlorophenol	ug/Kg	ND (970)	ND (800)	ND (800)	-	-	-	-
Phenanthrene	ug/Kg	ND (390)	ND (330)	530	-	-	-	-
Phenol	ug/Kg	ND (390)	ND (330)	ND (330)	-	-	-	-
Pyrene	ug/Kg	ND (390)	ND (330)	520	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	3600	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	-	-	-	-
Metals								
Aluminum	mg/Kg	2800	2800 J	6400 J	-	-	-	-
Antimony	mg/Kg	R	ND (0.5)	ND (0.5)	-	-	-	-
Arsenic	mg/Kg	1.7 J	1.8	2.7	-	-	-	-
Barium	mg/Kg	24 J	14	59	-	-	-	-
Beryllium	mg/Kg	0.23	ND (0.26)	0.31 J	-	-	-	-
Cadmium	mg/Kg	0.17	0.064	0.32	-	-	-	-
Calcium	mg/Kg	5300 J	60000	10000	-	-	-	-
Chromium	mg/Kg	3.6	6.5	16	-	-	-	-
Cobalt	mg/Kg	3.6 J	2.9 J	3.4 J	-	-	-	-
Copper	mg/Kg	3.4 J	4.2 J	17 J	-	-	-	-
Iron	mg/Kg	3300	8200	10000	-	-	-	-
Lead	mg/Kg	6.2	6.8	24	-	-	-	-
Magnesium	mg/Kg	2600 J	20000	3900	-	-	-	-
Manganese	mg/Kg	90	300 J	120 J	-	-	-	-
Mercury	mg/Kg	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-
Nickel	mg/Kg	3.8	5.7	9.8	-	-	-	-
Potassium	mg/Kg	230	400 J	380 J	-	-	-	-
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5)	ND (0.5)	-	-	-	-
Silver	mg/Kg	ND (0.5) UJ	0.64	0.86	-	-	-	-
Sodium	mg/Kg	26	97 J	38 J	-	-	-	-
Thallium	mg/Kg	ND (0.5)	ND (0.5)	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	5.4	10 J	13 J	-	-	-	-
Zinc	mg/Kg	16 J	51 J	59 J	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	0.44	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-115-98*	*BH-116-98*	*BH-155-99*	*BH-155-99*	*BH-156-99*	*BH-156-99*	*BH-157-99*
Sample ID:		*S-10236-030598-FCE-024*	*S-10236-030598-FCE-025*	*S-12609-112399-DEN-01*	*S-12609-112399-DEN-02*	*S-12609-112399-DEN-03*	*S-12609-112399-DEN-04*	*S-12609-112399-DEN-05*
Sample Depth:		*(7.8-10.2)*	*(6.9-10)*	*(8-10)*	*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*
Sample Date:		*3/5/1998*	*3/5/1998*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,1,2-Trichloroethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,1-Dichloroethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	1.4	ND (4.8)
1,1-Dichloroethene	ug/Kg	-	-	ND (4.5)	0.81	0.38	6.3	1.0
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,2-Dichloroethene (total)	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,2-Dichloropropane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	ND (18) U	8.2	ND (20) U	7.8	ND (19) U
2-Hexanone	ug/Kg	-	-	ND (18)	ND (20)	ND (20)	ND (22)	ND (19)
4-Methyl-2-pentanone	ug/Kg	-	-	0.69	1.3	ND (20)	1.0	0.82
Acetone	ug/Kg	-	-	ND (23) U	ND (32) U	ND (20) U	ND (22) U	ND (27) U
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Bromodichloromethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Bromoform	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Bromomethane	ug/Kg	-	-	ND (9.0)	ND (9.9)	ND (9.9)	ND (11)	ND (9.7)
Carbon disulfide	ug/Kg	-	-	ND (4.5)	1.2	ND (4.9)	ND (5.4)	ND (4.8)
Carbon tetrachloride	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Chlorobenzene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Chloroethane	ug/Kg	-	-	ND (9.0)	ND (9.9)	ND (9.9)	ND (11)	ND (9.7)
Chloroform	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Chloromethane	ug/Kg	-	-	ND (9.0)	ND (9.9)	ND (9.9)	ND (11)	ND (9.7)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	ND (4.5) U	ND (5.0) U	ND (4.9) U	ND (5.4) U	ND (4.8) U
Styrene	ug/Kg	-	-	ND (4.5) U	0.40	ND (4.9) U	0.26	ND (4.8) U
Tetrachloroethene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Toluene	ug/Kg	-	-	0.37	0.59	0.38	0.33	0.29
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Trichloroethene	ug/Kg	-	-	ND (4.5)	ND (5.0)	ND (4.9)	ND (5.4)	ND (4.8)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	ND (9.0)	ND (9.9)	ND (9.9)	ND (11)	ND (9.7)
Xylene (total)	ug/Kg	-	-	ND (9.0)	ND (9.9) U	ND (9.9)	ND (11)	ND (9.7)
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-115-98*	*BH-116-98*	*BH-155-99*	*BH-155-99*	*BH-156-99*	*BH-156-99*	*BH-157-99*
Sample ID:		*S-10236-030598-FCE-024*	*S-10236-030598-FCE-025*	*S-12609-112399-DEN-01*	*S-12609-112399-DEN-02*	*S-12609-112399-DEN-03*	*S-12609-112399-DEN-04*	*S-12609-112399-DEN-05*
Sample Depth:		*(7.8-10.2)*	*(6.9-10)*	*(8-10)*	*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*
Sample Date:		*3/5/1998*	*3/5/1998*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-115-98***	***BH-116-98***	***BH-155-99***	***BH-155-99***	***BH-156-99***	***BH-156-99***	***BH-157-99***
Sample ID:		***S-10236-030598-FCE-024***	***S-10236-030598-FCE-025***	***S-12609-112399-DEN-01***	***S-12609-112399-DEN-02***	***S-12609-112399-DEN-03***	***S-12609-112399-DEN-04***	***S-12609-112399-DEN-05***
Sample Depth:		***(7.8-10.2)***	***(6.9-10)***	***(8-10)***	***(10-12)***	***(8-10)***	***(10-12)***	***(8-10)***
Sample Date:		***3/5/1998***	***3/5/1998***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Aroclor-1221	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Aroclor-1232	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Aroclor-1242	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Aroclor-1248	ug/Kg	8400	5300	25000	35000	15000	1900	38000
Aroclor-1254	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Aroclor-1260	ug/Kg	ND (1800)	ND (1700)	ND (3800)	ND (3800)	ND (1900)	ND (210)	ND (3900)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	8700	3600	1100	180	3800
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-157-99*	*BH-158-99*	*BH-158-99*	*BH-159-99*	*BH-159-99*	*BH-160-99*	*BH-160-99*
Sample ID:		*S-12609-112399-DEN-06*	*S-12609-112399-DEN-07*	*S-12609-112399-DEN-08*	*S-12609-112399-DEN-09*	*S-12609-112399-DEN-10*	*S-12609-112399-DEN-11*	*S-12609-112399-DEN-12*
Sample Depth:		*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*	*(14-16)*
Sample Date:		*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,1,2-Trichloroethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,1-Dichloroethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,1-Dichloroethene	ug/Kg	4.5	ND (4.6)	3.2	2.4	ND (5.5)	0.40	4.3
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,2-Dichloroethene (total)	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,2-Dichloropropane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	12	7.0	ND (22) U	ND (20) U	ND (22) U	ND (22) U	ND (24) U
2-Hexanone	ug/Kg	ND (19)	ND (19)	ND (22)	ND (20)	ND (22)	ND (22)	ND (24)
4-Methyl-2-pentanone	ug/Kg	1.4	0.65	1.7	ND (20)	0.66	0.67	ND (24)
Acetone	ug/Kg	ND (39) U	ND (23) U	ND (22) U	ND (26) U	ND (24) U	ND (22) U	ND (24) U
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Bromodichloromethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Bromoform	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Bromomethane	ug/Kg	ND (9.6)	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)	ND (12)
Carbon disulfide	ug/Kg	1.5	0.82	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Carbon tetrachloride	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Chlorobenzene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Chloroethane	ug/Kg	ND (9.6)	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)	ND (12)
Chloroform	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Chloromethane	ug/Kg	ND (9.6)	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)	ND (12)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (4.8) U	ND (4.6) U	ND (5.5) U	ND (4.9) U	ND (5.5) U	ND (5.4) U	ND (6.1) U
Styrene	ug/Kg	0.35	ND (4.6)	ND (5.5) U	ND (4.9) U	ND (5.5)	ND (5.4) U	ND (6.1)
Tetrachloroethene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Toluene	ug/Kg	0.52	0.29	0.35	0.55	ND (5.5)	0.32	ND (6.1)
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.8)	ND (4.6)	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Trichloroethene	ug/Kg	ND (4.8)	2.2	ND (5.5)	ND (4.9)	ND (5.5)	ND (5.4)	ND (6.1)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (9.6)	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)	ND (12)
Xylene (total)	ug/Kg	ND (9.6)	ND (9.3)	ND (11)	ND (9.8)	ND (11)	ND (11)	ND (12)
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-157-99*	*BH-158-99*	*BH-158-99*	*BH-159-99*	*BH-159-99*	*BH-160-99*	*BH-160-99*
Sample ID:		*S-12609-112399-DEN-06*	*S-12609-112399-DEN-07*	*S-12609-112399-DEN-08*	*S-12609-112399-DEN-09*	*S-12609-112399-DEN-10*	*S-12609-112399-DEN-11*	*S-12609-112399-DEN-12*
Sample Depth:		*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*	*(10-12)*	*(8-10)*	*(14-16)*
Sample Date:		*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*	*11/23/1999*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-157-99***	***BH-158-99***	***BH-158-99***	***BH-159-99***	***BH-159-99***	***BH-160-99***	***BH-160-99***
Sample ID:		***S-12609-112399-DEN-06***	***S-12609-112399-DEN-07***	***S-12609-112399-DEN-08***	***S-12609-112399-DEN-09***	***S-12609-112399-DEN-10***	***S-12609-112399-DEN-11***	***S-12609-112399-DEN-12***
Sample Depth:		***(10-12)***	***(8-10)***	***(10-12)***	***(8-10)***	***(10-12)***	***(8-10)***	***(14-16)***
Sample Date:		***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***	***11/23/1999***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1221	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1232	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1242	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1248	ug/Kg	44000	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1254	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1260	ug/Kg	ND (3800)	ND (38)	ND (43)	ND (40)	ND (42)	ND (43)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	8600	39	ND (13)	ND (12)	ND (13)	ND (13)	ND (13)
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-161-99*	*BH-161-99*	*BH162-00*	*BH163-00*	*BH164-00*	*BH165-00*	*BH166-00*
Sample ID:		*S-12609-112399-DEN-13*	*S-12609-112399-DEN-14*	*S-12609-041100-KMV-008*	*S-12609-041100-KMV-009*	*S-12609-041100-KMV-007*	*S-12609-041100-KMV-004*	*S-12609-041100-KMV-003*
Sample Depth:		*(8-10)*	*(14-16)*	*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*
Sample Date:		*11/23/1999*	*11/23/1999*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	2.2	3.2	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	ND (23)	1.4	-	-	-	-	-
2-Hexanone	ug/Kg	ND (23)	ND (22)	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	0.58	0.77	-	-	-	-	-
Acetone	ug/Kg	ND (23) U	ND (22) U	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Bromodichloromethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Bromoform	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Bromomethane	ug/Kg	ND (11)	ND (11)	-	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Chlorobenzene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Chloroethane	ug/Kg	ND (11)	ND (11)	-	-	-	-	-
Chloroform	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Chloromethane	ug/Kg	ND (11)	ND (11)	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.7)	ND (5.5) U	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (5.7) U	ND (5.5) U	-	-	-	-	-
Styrene	ug/Kg	ND (5.7) U	ND (5.5) U	-	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Toluene	ug/Kg	0.51	ND (5.5) U	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Trichloroethene	ug/Kg	ND (5.7)	ND (5.5)	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (11)	ND (11)	-	-	-	-	-
Xylene (total)	ug/Kg	ND (11)	ND (11) U	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH-161-99*	*BH-161-99*	*BH162-00*	*BH163-00*	*BH164-00*	*BH165-00*	*BH166-00*
Sample ID:		*S-12609-112399-DEN-13*	*S-12609-112399-DEN-14*	*S-12609-041100-KMV-008*	*S-12609-041100-KMV-009*	*S-12609-041100-KMV-007*	*S-12609-041100-KMV-004*	*S-12609-041100-KMV-003*
Sample Depth:		*(8-10)*	*(14-16)*	*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*
Sample Date:		*11/23/1999*	*11/23/1999*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH-161-99***	***BH-161-99***	***BH162-00***	***BH163-00***	***BH164-00***	***BH165-00***	***BH166-00***
Sample ID:		***S-12609-112399-DEN-13***	***S-12609-112399-DEN-14***	***S-12609-041100-KMV-008***	***S-12609-041100-KMV-009***	***S-12609-041100-KMV-007***	***S-12609-041100-KMV-004***	***S-12609-041100-KMV-003***
Sample Depth:		***(8-10)***	***(14-16)***	***(0-2)***	***(0-2)***	***(0-2)***	***(0-2)***	***(0-2)***
Sample Date:		***11/23/1999***	***11/23/1999***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Aroclor-1221	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Aroclor-1232	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	1400	ND (37)
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (36)	ND (37)	ND (37)	ND (200)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	19	18	ND (11)	14	13
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH167-00*	*BH168-00*	*BH169-00*	*BH170-00*	*BH196-00*	*BH196-00*	*BH196-00*
Sample ID:		*S-12609-041100-KMV-002*	*S-12609-041100-KMV-001*	*S-12609-041100-KMV-005*	*S-12609-041100-KMV-006*	*S-12609-041200-KMV-19*	*S-12609-041200-KMV-25*	*S-12609-041200-KMV-20*
Sample Depth:		*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*	*(12-13)*	*(12-13)*	*(13-14)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	1.1 J	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	ND (9.6)	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
2-Butanone	ug/Kg	-	-	-	-	-	3.2 J	-
2-Hexanone	ug/Kg	-	-	-	-	-	ND (19)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	ND (19)	-
Acetone	ug/Kg	-	-	-	-	-	ND (19) U	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	ND (4.8)	-
Benzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
Bromoform	ug/Kg	-	-	-	-	-	ND (4.8)	-
Bromomethane	ug/Kg	-	-	-	-	-	ND (9.6)	-
Carbon disulfide	ug/Kg	-	-	-	-	-	ND (4.8)	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	ND (4.8)	-
Chlorobenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Chloroethane	ug/Kg	-	-	-	-	-	ND (9.6)	-
Chloroform	ug/Kg	-	-	-	-	-	ND (4.8)	-
Chloromethane	ug/Kg	-	-	-	-	-	ND (9.6)	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	ND (2.4)	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Cyclohexane	ug/Kg	-	-	-	-	-	ND (9.6)	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	ND (4.8)	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	ND (9.6)	-
Ethylbenzene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Methyl acetate	ug/Kg	-	-	-	-	-	ND (9.6)	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	ND (9.6)	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	ND (19)	-
Methylene chloride	ug/Kg	-	-	-	-	-	1.1 J	-
Styrene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Toluene	ug/Kg	-	-	-	-	-	0.30 J	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	ND (2.4)	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Trichloroethene	ug/Kg	-	-	-	-	-	ND (4.8)	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	ND (9.6)	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	ND (4.8)	-
Vinyl chloride	ug/Kg	-	-	-	-	-	ND (9.6)	-
Xylene (total)	ug/Kg	-	-	-	-	-	ND (9.6)	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH167-00*	*BH168-00*	*BH169-00*	*BH170-00*	*BH196-00*	*BH196-00*	*BH196-00*
Sample ID:		*S-12609-041100-KMV-002*	*S-12609-041100-KMV-001*	*S-12609-041100-KMV-005*	*S-12609-041100-KMV-006*	*S-12609-041200-KMV-19*	*S-12609-041200-KMV-25*	*S-12609-041200-KMV-20*
Sample Depth:		*(0-2)*	*(0-2)*	*(0-2)*	*(0-2)*	*(12-13)*	*(12-13)*	*(13-14)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH167-00***	***BH168-00***	***BH169-00***	***BH170-00***	***BH196-00***	***BH196-00***	***BH196-00***
Sample ID:		***S-12609-041100-KMV-002***	***S-12609-041100-KMV-001***	***S-12609-041100-KMV-005***	***S-12609-041100-KMV-006***	***S-12609-041200-KMV-19***	***S-12609-041200-KMV-25***	***S-12609-041200-KMV-20***
Sample Depth:		***(0-2)***	***(0-2)***	***(0-2)***	***(0-2)***	***(12-13)***	***(12-13)***	***(13-14)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1221	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1232	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1242	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1248	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1254	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Aroclor-1260	ug/Kg	ND (35)	ND (37)	ND (37)	ND (36)	ND (44)	-	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	21	20	ND (11)	12	ND (13)	-	ND (13)
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH196-00*	*BH196-00*	*BH196-00*	*BH196-00*	*BH197-00*	*BH197-00*	*BH197-00*
Sample ID:		*S-12609-041200-KMV-21*	*S-12609-041200-KMV-22*	*S-12609-041200-KMV-23*	*S-12609-041200-KMV-24*	*S-12609-041100-KMV-013*	*S-12609-041100-KMV-014*	*S-12609-041100-KMV-015*
Sample Depth:		*(14-15)*	*(15-16)*	*(16-17)*	*(12-17)*	*(0-2)*	*(6-8)*	*(8-10)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (420)	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH196-00*	*BH196-00*	*BH196-00*	*BH196-00*	*BH197-00*	*BH197-00*	*BH197-00*
Sample ID:		*S-12609-041200-KMV-21*	*S-12609-041200-KMV-22*	*S-12609-041200-KMV-23*	*S-12609-041200-KMV-24*	*S-12609-041100-KMV-013*	*S-12609-041100-KMV-014*	*S-12609-041100-KMV-015*
Sample Depth:		*(14-15)*	*(15-16)*	*(16-17)*	*(12-17)*	*(0-2)*	*(6-8)*	*(8-10)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (420)	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (420)	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (420)	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (2000)	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (420)	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (420)	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	ND (420)	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	ND (420)	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	ND (420)	-	-	-
2-Methylphenol	ug/Kg	-	-	-	ND (420)	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	ND (420)	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (2000)	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (2000)	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (420)	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (420)	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	ND (420)	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (420)	-	-	-
4-Methylphenol	ug/Kg	-	-	-	ND (420)	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	ND (2000)	-	-	-
Acenaphthene	ug/Kg	-	-	-	ND (420)	-	-	-
Acenaphthylene	ug/Kg	-	-	-	ND (420)	-	-	-
Acetophenone	ug/Kg	-	-	-	ND (420)	-	-	-
Anthracene	ug/Kg	-	-	-	ND (420)	-	-	-
Atrazine	ug/Kg	-	-	-	ND (420)	-	-	-
Benzaldehyde	ug/Kg	-	-	-	ND (420)	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	ND (420)	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	ND (420)	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (420)	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (420)	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (420)	-	-	-
Biphenyl	ug/Kg	-	-	-	ND (420)	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (420)	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (420)	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (420)	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Caprolactam	ug/Kg	-	-	-	ND (420)	-	-	-
Carbazole	ug/Kg	-	-	-	ND (420)	-	-	-
Chrysene	ug/Kg	-	-	-	ND (420)	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (420)	-	-	-
Dibenzofuran	ug/Kg	-	-	-	ND (420)	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (420)	-	-	-
Fluoranthene	ug/Kg	-	-	-	ND (420)	-	-	-
Fluorene	ug/Kg	-	-	-	ND (420)	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	ND (420)	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	ND (420)	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (2000)	-	-	-
Hexachloroethane	ug/Kg	-	-	-	ND (420)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (420)	-	-	-
Isophorone	ug/Kg	-	-	-	ND (420)	-	-	-
Naphthalene	ug/Kg	-	-	-	ND (420)	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH196-00***	***BH196-00***	***BH196-00***	***BH196-00***	***BH197-00***	***BH197-00***	***BH197-00***
Sample ID:		***S-12609-041200-KMV-21***	***S-12609-041200-KMV-22***	***S-12609-041200-KMV-23***	***S-12609-041200-KMV-24***	***S-12609-041100-KMV-013***	***S-12609-041100-KMV-014***	***S-12609-041100-KMV-015***
Sample Depth:		***(14-15)***	***(15-16)***	***(16-17)***	***(12-17)***	***(0-2)***	***(6-8)***	***(8-10)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	ND (420)	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (420)	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (420)	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	ND (420)	-	-	-
Phenanthrene	ug/Kg	-	-	-	ND (420)	-	-	-
Phenol	ug/Kg	-	-	-	ND (420)	-	-	-
Pyrene	ug/Kg	-	-	-	ND (420)	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Aroclor-1221	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Aroclor-1232	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Aroclor-1242	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Aroclor-1248	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	39000 J
Aroclor-1254	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Aroclor-1260	ug/Kg	ND (42)	ND (43)	ND (43)	-	ND (35)	ND (38)	ND (4100)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	7220	-	-	-
Antimony	mg/Kg	-	-	-	ND (7.6)	-	-	-
Arsenic	mg/Kg	-	-	-	10.3	-	-	-
Barium	mg/Kg	-	-	-	42.2	-	-	-
Beryllium	mg/Kg	-	-	-	ND (0.63)	-	-	-
Cadmium	mg/Kg	-	-	-	ND (0.63)	-	-	-
Calcium	mg/Kg	-	-	-	56500	-	-	-
Chromium	mg/Kg	-	-	-	12.5	-	-	-
Cobalt	mg/Kg	-	-	-	ND (6.3)	-	-	-
Copper	mg/Kg	-	-	-	20.6	-	-	-
Iron	mg/Kg	-	-	-	23400	-	-	-
Lead	mg/Kg	-	-	-	9.1	-	-	-
Magnesium	mg/Kg	-	-	-	18700	-	-	-
Manganese	mg/Kg	-	-	-	221	-	-	-
Mercury	mg/Kg	-	-	-	ND (0.13)	-	-	-
Nickel	mg/Kg	-	-	-	18.7	-	-	-
Potassium	mg/Kg	-	-	-	1400	-	-	-
Selenium	mg/Kg	-	-	-	ND (0.63)	-	-	-
Silver	mg/Kg	-	-	-	ND (1.3)	-	-	-
Sodium	mg/Kg	-	-	-	ND (630)	-	-	-
Thallium	mg/Kg	-	-	-	ND (1.3)	-	-	-
Vanadium	mg/Kg	-	-	-	22.7	-	-	-
Zinc	mg/Kg	-	-	-	53.4	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (13)	ND (13)	19	-	13	20	300
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH198-00*	*BH198-00*	*BH198-00*	*BH220-00*	*BH220-00*	*BH220-00*	*BH220-00*
Sample ID:		*S-12609-041100-KMV-010*	*S-12609-041100-KMV-011*	*S-12609-041100-KMV-012*	*S-12609-060200-DEN-034*	*S-12609-060200-DEN-035*	*S-12609-060200-DEN-036*	*S-12609-060200-DEN-037*
Sample Depth:		*(0-2)*	*(4-6)*	*(6-8)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
2-Butanone	ug/Kg	ND (21)	ND (21)	ND (21)	-	-	-	-
2-Hexanone	ug/Kg	ND (21)	ND (21)	ND (21)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (21)	ND (21)	1.9 J	-	-	-	-
Acetone	ug/Kg	ND (21)	ND (21) U	ND (21) U	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Benzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Bromoform	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Bromomethane	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Chlorobenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Chloroethane	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Chloroform	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Chloromethane	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.6)	ND (2.6)	ND (2.6)	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Cyclohexane	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Dibromochloromethane	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Methyl acetate	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (21)	ND (21)	ND (21)	-	-	-	-
Methylene chloride	ug/Kg	ND (5.2) U	ND (5.3) U	2.1 U	-	-	-	-
Styrene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Toluene	ug/Kg	0.37 J	ND (5.3)	0.42 J	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.6)	ND (2.6)	ND (2.6)	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Trichloroethene	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (5.2)	ND (5.3)	ND (5.2)	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (11)	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	1.0 J	0.90 J	0.90 J	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH198-00*	*BH198-00*	*BH198-00*	*BH220-00*	*BH220-00*	*BH220-00*	*BH220-00*
Sample ID:		*S-12609-041100-KMV-010*	*S-12609-041100-KMV-011*	*S-12609-041100-KMV-012*	*S-12609-060200-DEN-034*	*S-12609-060200-DEN-035*	*S-12609-060200-DEN-036*	*S-12609-060200-DEN-037*
Sample Depth:		*(0-2)*	*(4-6)*	*(6-8)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH198-00***	***BH198-00***	***BH198-00***	***BH220-00***	***BH220-00***	***BH220-00***	***BH220-00***
Sample ID:		***S-12609-041100-KMV-010***	***S-12609-041100-KMV-011***	***S-12609-041100-KMV-012***	***S-12609-060200-DEN-034***	***S-12609-060200-DEN-035***	***S-12609-060200-DEN-036***	***S-12609-060200-DEN-037***
Sample Depth:		***(0-2)***	***(4-6)***	***(6-8)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1221	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1232	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (40)	ND (37)	ND (37)	ND (37)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	15	ND (12)	ND (12)	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH220-00*	*BH220-00*	*BH221-00*	*BH221-00*	*BH221-00*	*BH221-00*	*BH222-00*
Sample ID:		*S-12609-060200-DEN-038*	*S-12609-060200-DEN-039*	*S-12609-060100-DEN-09*	*S-12609-060100-DEN-10*	*S-12609-060600-DEN-84*	*S-12609-060600-DEN-85*	*S-12609-060600-DEN-86*
Sample Depth:		*(8-10)*	*(10-12)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*	*(0-2)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/1/2000*	*6/1/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH220-00*	*BH220-00*	*BH221-00*	*BH221-00*	*BH221-00*	*BH221-00*	*BH222-00*
Sample ID:		*S-12609-060200-DEN-038*	*S-12609-060200-DEN-039*	*S-12609-060100-DEN-09*	*S-12609-060100-DEN-10*	*S-12609-060600-DEN-84*	*S-12609-060600-DEN-85*	*S-12609-060600-DEN-86*
Sample Depth:		*(8-10)*	*(10-12)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*	*(0-2)*
Sample Date:		*6/2/2000*	*6/2/2000*	*6/1/2000*	*6/1/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH220-00***	***BH220-00***	***BH221-00***	***BH221-00***	***BH221-00***	***BH221-00***	***BH222-00***
Sample ID:		***S-12609-060200-DEN-038***	***S-12609-060200-DEN-039***	***S-12609-060100-DEN-09***	***S-12609-060100-DEN-10***	***S-12609-060600-DEN-84***	***S-12609-060600-DEN-85***	***S-12609-060600-DEN-86***
Sample Depth:		***(8-10)***	***(10-12)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***	***(0-2)***
Sample Date:		***6/2/2000***	***6/2/2000***	***6/1/2000***	***6/1/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1221	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1232	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1242	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1248	ug/Kg	ND (40)	5100	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1254	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Aroclor-1260	ug/Kg	ND (40)	ND (860)	ND (40)	ND (38)	ND (42)	ND (43)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH222-00*	*BH222-00*	*BH222-00*	*BH223-00*	*BH223-00*	*BH223-00*	*BH224-00*
Sample ID:		*S-12609-060600-DEN-87*	*S-12609-060600-DEN-88*	*S-12609-060600-DEN-89*	*S-12609-060500-DEN-51*	*S-12609-060500-DEN-52*	*S-12609-060500-DEN-53*	*S-12609-060500-DEN-54*
Sample Depth:		*(2-4)*	*(4-6)*	*(6-8)*	*(0-2)*	*(2-4)*	*(4-6)*	*(0-2)*
Sample Date:		*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH222-00*	*BH222-00*	*BH222-00*	*BH223-00*	*BH223-00*	*BH223-00*	*BH224-00*
Sample ID:		*S-12609-060600-DEN-87*	*S-12609-060600-DEN-88*	*S-12609-060600-DEN-89*	*S-12609-060500-DEN-51*	*S-12609-060500-DEN-52*	*S-12609-060500-DEN-53*	*S-12609-060500-DEN-54*
Sample Depth:		*(2-4)*	*(4-6)*	*(6-8)*	*(0-2)*	*(2-4)*	*(4-6)*	*(0-2)*
Sample Date:		*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH222-00***	***BH222-00***	***BH222-00***	***BH223-00***	***BH223-00***	***BH223-00***	***BH224-00***
Sample ID:		***S-12609-060600-DEN-87***	***S-12609-060600-DEN-88***	***S-12609-060600-DEN-89***	***S-12609-060500-DEN-51***	***S-12609-060500-DEN-52***	***S-12609-060500-DEN-53***	***S-12609-060500-DEN-54***
Sample Depth:		***(2-4)***	***(4-6)***	***(6-8)***	***(0-2)***	***(2-4)***	***(4-6)***	***(0-2)***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Aroclor-1221	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Aroclor-1232	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Aroclor-1242	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Aroclor-1248	ug/Kg	ND (40)	ND (38)	7400	ND (37)	ND (41)	ND (39)	79
Aroclor-1254	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Aroclor-1260	ug/Kg	ND (40)	ND (38)	ND (380)	ND (37)	ND (41)	ND (39)	ND (36)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*
Sample ID:		*S-12609-060500-DEN-55*	*S-12609-060500-DEN-57*	*S-12609-060500-DEN-56*	*S-12609-060500-DEN-58*	*S-12609-060500-DEN-59*	*S-12609-060500-DEN-60*	*S-12609-060500-DEN-61*
Sample Depth:		*(4-6)*	*(7-9)*	*(9-11)*	*(11-12)*	*(12-13)*	*(13-14)*	*(14-15)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*	*BH224-00*
Sample ID:		*S-12609-060500-DEN-55*	*S-12609-060500-DEN-57*	*S-12609-060500-DEN-56*	*S-12609-060500-DEN-58*	*S-12609-060500-DEN-59*	*S-12609-060500-DEN-60*	*S-12609-060500-DEN-61*
Sample Depth:		*(4-6)*	*(7-9)*	*(9-11)*	*(11-12)*	*(12-13)*	*(13-14)*	*(14-15)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***	***BH224-00***
Sample ID:		***S-12609-060500-DEN-55***	***S-12609-060500-DEN-57***	***S-12609-060500-DEN-56***	***S-12609-060500-DEN-58***	***S-12609-060500-DEN-59***	***S-12609-060500-DEN-60***	***S-12609-060500-DEN-61***
Sample Depth:		***(4-6)***	***(7-9)***	***(9-11)***	***(11-12)***	***(12-13)***	***(13-14)***	***(14-15)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1221	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1232	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1242	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1248	ug/Kg	ND (40)	220000 J	18000	240000 J	4200	12000	1200
Aroclor-1254	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Aroclor-1260	ug/Kg	ND (40)	ND (43000)	ND (4400)	ND (38000)	ND (2000)	ND (830)	ND (410)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH225-00*	*BH225-00*	*BH226-00*	*BH226-00*	*BH226-00*	*BH226-00*	*BH227-00*
Sample ID:		*S-12609-060100-DEN-12*	*S-12609-060100-DEN-13*	*S-12609-060500-DEN-48*	*S-12609-060500-DEN-49*	*S-12609-060500-DEN-50*	*S-12609-060500-DEN-49*	*S-12609-060500-DEN-62*
Sample Depth:		*(0-2)*	*(2-4)*	*(0-2)*	*(0-2)*	*(4.5-6.5)*	*(6.5-8.5)*	*(0-2)*
Sample Date:		*6/1/2000*	*6/1/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH225-00*	*BH225-00*	*BH226-00*	*BH226-00*	*BH226-00*	*BH226-00*	*BH227-00*
Sample ID:		*S-12609-060100-DEN-12*	*S-12609-060100-DEN-13*	*S-12609-060500-DEN-48*	*S-12609-060500-DEN-49*	*S-12609-060500-DEN-50*	*S-12609-060500-DEN-49*	*S-12609-060500-DEN-62*
Sample Depth:		*(0-2)*	*(2-4)*	*(0-2)*	*(0-2)*	*(4.5-6.5)*	*(6.5-8.5)*	*(0-2)*
Sample Date:		*6/1/2000*	*6/1/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH225-00***	***BH225-00***	***BH226-00***	***BH226-00***	***BH226-00***	***BH226-00***	***BH227-00***
Sample ID:		***S-12609-060100-DEN-12***	***S-12609-060100-DEN-13***	***S-12609-060500-DEN-48***	***S-12609-060500-DEN-49***	***S-12609-060500-DEN-50***	***S-12609-060500-DEN-49***	***S-12609-060500-DEN-62***
Sample Depth:		***(0-2)***	***(2-4)***	***(0-2)***	***(0-2)***	***(4.5-6.5)***	***(6.5-8.5)***	***(0-2)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Aroclor-1221	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Aroclor-1232	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	ND (37)	-	320	14000	ND (36)
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (37)	-	ND (38)	ND (830)	ND (36)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH228-00*
Sample ID:		*S-12609-060500-DEN-63*	*S-12609-060500-DEN-64*	*S-12609-060500-DEN-65*	*S-12609-060500-DEN-66*	*S-12609-060500-DEN-67*	*S-12609-060500-DEN-68*	*S-12609-060500-DEN-45*
Sample Depth:		*(4-6)*	*(8-12)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH227-00*	*BH228-00*
Sample ID:		*S-12609-060500-DEN-63*	*S-12609-060500-DEN-64*	*S-12609-060500-DEN-65*	*S-12609-060500-DEN-66*	*S-12609-060500-DEN-67*	*S-12609-060500-DEN-68*	*S-12609-060500-DEN-45*
Sample Depth:		*(4-6)*	*(8-12)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*	*6/5/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH227-00***	***BH227-00***	***BH227-00***	***BH227-00***	***BH227-00***	***BH227-00***	***BH228-00***
Sample ID:		***S-12609-060500-DEN-63***	***S-12609-060500-DEN-64***	***S-12609-060500-DEN-65***	***S-12609-060500-DEN-66***	***S-12609-060500-DEN-67***	***S-12609-060500-DEN-68***	***S-12609-060500-DEN-45***
Sample Depth:		***(4-6)***	***(8-12)***	***(12-13)***	***(13-14)***	***(14-15)***	***(15-16)***	***(0-2)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***	***6/5/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1221	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1232	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1242	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1248	ug/Kg	ND (37)	53	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1254	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Aroclor-1260	ug/Kg	ND (37)	ND (41)	ND (42)	ND (42)	ND (42)	ND (42)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	6.6	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH228-00*	*BH228-00*	*BH229-00*	*BH229-00*	*BH229-00*	*BH230-00*	*BH230-00*
Sample ID:		*S-12609-060500-DEN-47*	*S-12609-060500-DEN-46*	*S-12609-060200-DEN-040*	*S-12609-060200-DEN-041*	*S-12609-060200-DEN-042*	*S-12609-060200-DEN-043*	*S-12609-060200-DEN-044*
Sample Depth:		*(5-7)*	*(7-9)*	*(0-2)*	*(4-6)*	*(4-6)*	*(0-2)*	*(4-6)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH228-00*	*BH228-00*	*BH229-00*	*BH229-00*	*BH229-00*	*BH230-00*	*BH230-00*
Sample ID:		*S-12609-060500-DEN-47*	*S-12609-060500-DEN-46*	*S-12609-060200-DEN-040*	*S-12609-060200-DEN-041*	*S-12609-060200-DEN-042*	*S-12609-060200-DEN-043*	*S-12609-060200-DEN-044*
Sample Depth:		*(5-7)*	*(7-9)*	*(0-2)*	*(4-6)*	*(4-6)*	*(0-2)*	*(4-6)*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH228-00***	***BH228-00***	***BH229-00***	***BH229-00***	***BH229-00***	***BH230-00***	***BH230-00***
Sample ID:		***S-12609-060500-DEN-47***	***S-12609-060500-DEN-46***	***S-12609-060200-DEN-040***	***S-12609-060200-DEN-041***	***S-12609-060200-DEN-042***	***S-12609-060200-DEN-043***	***S-12609-060200-DEN-044***
Sample Depth:		***(5-7)***	***(7-9)***	***(0-2)***	***(4-6)***	***(4-6)***	***(0-2)***	***(4-6)***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1221	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1232	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1242	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1248	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1254	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (42)	ND (36)	ND (41)	ND (39)	ND (37)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH231-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*
Sample ID:		*S-12609-060100-DEN-11*	*S-12609-060600-DEN-90*	*S-12609-060600-DEN-91*	*S-12609-060600-DEN-92*	*S-12609-060600-DEN-93*	*S-12609-060600-DEN-94*	*S-12609-060600-DEN-95*
Sample Depth:		*(4-8)*	*(0-2)*	*(4-6)*	*(4-8)*	*(8-9)*	*(9-10)*	*(9-10)*
Sample Date:		*6/1/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH231-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*
Sample ID:		*S-12609-060100-DEN-11*	*S-12609-060600-DEN-90*	*S-12609-060600-DEN-91*	*S-12609-060600-DEN-92*	*S-12609-060600-DEN-93*	*S-12609-060600-DEN-94*	*S-12609-060600-DEN-95*
Sample Depth:		*(4-8)*	*(0-2)*	*(4-6)*	*(4-8)*	*(8-9)*	*(9-10)*	*(9-10)*
Sample Date:		*6/1/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH231-00***	***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***S-12609-060100-DEN-11***	***S-12609-060600-DEN-90***	***S-12609-060600-DEN-91***	***S-12609-060600-DEN-92***	***S-12609-060600-DEN-93***	***S-12609-060600-DEN-94***	***S-12609-060600-DEN-95***
Sample Depth:		***(4-8)***	***(0-2)***	***(4-6)***	***(4-8)***	***(8-9)***	***(9-10)***	***(9-10)***
Sample Date:		***6/1/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1221	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1232	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1242	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1248	ug/Kg	6700	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1254	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Aroclor-1260	ug/Kg	ND (430)	ND (36)	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	7.3	-	-	6.7	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH232-00*	*BH232-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*
Sample ID:		*S-12609-060600-DEN-96*	*S-12609-060600-DEN-97*	*S-12609-071300-BN-020*	*S-12609-071300-BN-021*	*S-12609-071300-BN-022*	*S-12609-071300-BN-023*	*S-12609-071300-BN-024*
Sample Depth:		*(10-11)*	*(11-12)*	*(0-2)*	*(4-6)*	*(7-9)*	*(9-11)*	*(9-11)*
Sample Date:		*6/6/2000*	*6/6/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH232-00*	*BH232-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*
Sample ID:		*S-12609-060600-DEN-96*	*S-12609-060600-DEN-97*	*S-12609-071300-BN-020*	*S-12609-071300-BN-021*	*S-12609-071300-BN-022*	*S-12609-071300-BN-023*	*S-12609-071300-BN-024*
Sample Depth:		*(10-11)*	*(11-12)*	*(0-2)*	*(4-6)*	*(7-9)*	*(9-11)*	*(9-11)*
Sample Date:		*6/6/2000*	*6/6/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***
Sample ID:		***S-12609-060600-DEN-96***	***S-12609-060600-DEN-97***	***S-12609-071300-BN-020***	***S-12609-071300-BN-021***	***S-12609-071300-BN-022***	***S-12609-071300-BN-023***	***S-12609-071300-BN-024***
Sample Depth:		***(10-11)***	***(11-12)***	***(0-2)***	***(4-6)***	***(7-9)***	***(9-11)***	***(9-11)***
Sample Date:		***6/6/2000***	***6/6/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1221	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1232	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1242	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	13000	96000	81000
Aroclor-1248	ug/Kg	30000	35000 J	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1254	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Aroclor-1260	ug/Kg	ND (4300)	ND (3900)	ND (35)	ND (39)	ND (820)	ND (9500)	ND (8000)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH253-00*	*BH253-00*
Sample ID:		*S-12609-071300-BN-025*	*S-12609-071300-BN-026*	*S-12609-071300-BN-027*	*S-12609-071300-BN-028*	*S-12609-071300-BN-029*	*S-12609-071300-BN-030*	*S-12609-071300-BN-031*
Sample Depth:		*(11-12)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*	*(4-6)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH252-00*	*BH253-00*	*BH253-00*
Sample ID:		*S-12609-071300-BN-025*	*S-12609-071300-BN-026*	*S-12609-071300-BN-027*	*S-12609-071300-BN-028*	*S-12609-071300-BN-029*	*S-12609-071300-BN-030*	*S-12609-071300-BN-031*
Sample Depth:		*(11-12)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*	*(4-6)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH252-00***	***BH253-00***	***BH253-00***
Sample ID:		***S-12609-071300-BN-025***	***S-12609-071300-BN-026***	***S-12609-071300-BN-027***	***S-12609-071300-BN-028***	***S-12609-071300-BN-029***	***S-12609-071300-BN-030***	***S-12609-071300-BN-031***
Sample Depth:		***(11-12)***	***(12-13)***	***(13-14)***	***(14-15)***	***(15-16)***	***(0-2)***	***(4-6)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	ND (40)
Aroclor-1221	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	ND (40)
Aroclor-1232	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	ND (40)
Aroclor-1242	ug/Kg	15000	4400	400	45	ND (42)	ND (35)	ND (40)
Aroclor-1248	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	ND (40)
Aroclor-1254	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	540
Aroclor-1260	ug/Kg	ND (810)	ND (410)	ND (41)	ND (42)	ND (42)	ND (35)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*
Sample ID:		*S-12609-071300-BN-032*	*S-12609-071300-BN-033*	*S-12609-071300-BN-034*	*S-12609-071300-BN-035*	*S-12609-071300-BN-036*	*S-12609-071300-BN-037*	*S-12609-071300-BN-038*
Sample Depth:		*(6-7)*	*(7-9)*	*(7-9)*	*(9-10)*	*(10-11)*	*(11-12)*	*(12-13)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*	*BH253-00*
Sample ID:		*S-12609-071300-BN-032*	*S-12609-071300-BN-033*	*S-12609-071300-BN-034*	*S-12609-071300-BN-035*	*S-12609-071300-BN-036*	*S-12609-071300-BN-037*	*S-12609-071300-BN-038*
Sample Depth:		*(6-7)*	*(7-9)*	*(7-9)*	*(9-10)*	*(10-11)*	*(11-12)*	*(12-13)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***	***BH253-00***
Sample ID:		***S-12609-071300-BN-032***	***S-12609-071300-BN-033***	***S-12609-071300-BN-034***	***S-12609-071300-BN-035***	***S-12609-071300-BN-036***	***S-12609-071300-BN-037***	***S-12609-071300-BN-038***
Sample Depth:		***(6-7)***	***(7-9)***	***(7-9)***	***(9-10)***	***(10-11)***	***(11-12)***	***(12-13)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (78)	ND (810)	ND (1900)	ND (2300)	ND (440)	ND (43)	ND (42)
Aroclor-1221	ug/Kg	ND (78)	ND (810)	ND (1900)	ND (2300)	ND (440)	ND (43)	ND (42)
Aroclor-1232	ug/Kg	ND (78)	ND (810)	ND (1900)	ND (2300)	ND (440)	ND (43)	ND (42)
Aroclor-1242	ug/Kg	1000	12000	ND (1900)	44000	3900	120	ND (42)
Aroclor-1248	ug/Kg	ND (78)	ND (810)	29000	ND (2300)	ND (440)	ND (43)	ND (42)
Aroclor-1254	ug/Kg	ND (78)	ND (810)	ND (1900)	ND (2300)	ND (440)	ND (43)	ND (42)
Aroclor-1260	ug/Kg	ND (78)	ND (810)	ND (1900)	ND (2300)	ND (440)	ND (43)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH253-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*
Sample ID:		*S-12609-071300-BN-039*	*S-12609-071300-BN-009*	*S-12609-071300-BN-010*	*S-12609-071300-BN-011*	*S-12609-071300-BN-012*	*S-12609-071300-BN-013*	*S-12609-071300-BN-014*
Sample Depth:		*(13-14)*	*(0-2)*	*(0-2)*	*(4-6)*	*(7-9)*	*(9-11)*	*(11-12)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH253-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*
Sample ID:		*S-12609-071300-BN-039*	*S-12609-071300-BN-009*	*S-12609-071300-BN-010*	*S-12609-071300-BN-011*	*S-12609-071300-BN-012*	*S-12609-071300-BN-013*	*S-12609-071300-BN-014*
Sample Depth:		*(13-14)*	*(0-2)*	*(0-2)*	*(4-6)*	*(7-9)*	*(9-11)*	*(11-12)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH253-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***
Sample ID:		***S-12609-071300-BN-039***	***S-12609-071300-BN-009***	***S-12609-071300-BN-010***	***S-12609-071300-BN-011***	***S-12609-071300-BN-012***	***S-12609-071300-BN-013***	***S-12609-071300-BN-014***
Sample Depth:		***(13-14)***	***(0-2)***	***(0-2)***	***(4-6)***	***(7-9)***	***(9-11)***	***(11-12)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (44)	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)	ND (44)
Aroclor-1221	ug/Kg	ND (44)	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)	ND (44)
Aroclor-1232	ug/Kg	ND (44)	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)	ND (44)
Aroclor-1242	ug/Kg	690	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)	ND (44)
Aroclor-1248	ug/Kg	ND (44)	ND (36)	ND (36)	ND (73)	ND (39)	780	ND (44)
Aroclor-1254	ug/Kg	ND (44)	ND (36)	ND (36)	730	ND (39)	ND (190)	ND (44)
Aroclor-1260	ug/Kg	ND (44)	ND (36)	ND (36)	ND (73)	ND (39)	ND (190)	ND (44)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*Comp BH162-170,BH197-198*	*Comp BH197-198*
Sample ID:		*S-12609-071300-BN-015*	*S-12609-071300-BN-016*	*S-12609-071300-BN-017*	*S-12609-071300-BN-018*	*S-12609-071300-BN-019*	*S-12609-041100-KMV-016*	*S-12609-041100-KMV-018*
Sample Depth:		*(12-13)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*	*(0-2)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*BH254-00*	*Comp BH162-170,BH197-198*	*Comp BH197-198*
Sample ID:		*S-12609-071300-BN-015*	*S-12609-071300-BN-016*	*S-12609-071300-BN-017*	*S-12609-071300-BN-018*	*S-12609-071300-BN-019*	*S-12609-041100-KMV-016*	*S-12609-041100-KMV-018*
Sample Depth:		*(12-13)*	*(12-13)*	*(13-14)*	*(14-15)*	*(15-16)*	*(0-2)*	*(0-2)*
Sample Date:		*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*7/13/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2-Chlorophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2-Methylphenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
2-Nitroaniline	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
2-Nitrophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
3-Nitroaniline	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
4-Chloroaniline	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
4-Methylphenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
4-Nitroaniline	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
4-Nitrophenol	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
Acenaphthene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Acenaphthylene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Acetophenone	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Anthracene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Atrazine	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzaldehyde	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Biphenyl	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Caprolactam	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Carbazole	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Chrysene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Dibenzofuran	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Diethyl phthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Dimethyl phthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Fluoranthene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Fluorene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Hexachlorobenzene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	ND (1800)	ND (8000)
Hexachloroethane	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Isophorone	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Naphthalene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***BH254-00***	***Comp BH162-170,BH197-198***	***Comp BH197-198***
Sample ID:		***S-12609-071300-BN-015***	***S-12609-071300-BN-016***	***S-12609-071300-BN-017***	***S-12609-071300-BN-018***	***S-12609-071300-BN-019***	***S-12609-041100-KMV-016***	***S-12609-041100-KMV-018***
Sample Depth:		***(12-13)***	***(12-13)***	***(13-14)***	***(14-15)***	***(15-16)***	***(0-2)***	***(0-2)***
Sample Date:		***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***7/13/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Pentachlorophenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Phenanthrene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Phenol	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
Pyrene	ug/Kg	-	-	-	-	-	ND (360)	ND (1700)
PCBs								
Aroclor-1016	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Aroclor-1221	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Aroclor-1232	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Aroclor-1242	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Aroclor-1248	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	30000 J
Aroclor-1254	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Aroclor-1260	ug/Kg	ND (42)	ND (42)	ND (41)	ND (41)	ND (42)	ND (36)	ND (4100)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	5840	8860
Antimony	mg/Kg	-	-	-	-	-	ND (6.6)	ND (7.5)
Arsenic	mg/Kg	-	-	-	-	-	2.2	3.3
Barium	mg/Kg	-	-	-	-	-	30.6	65.2
Beryllium	mg/Kg	-	-	-	-	-	ND (0.55)	ND (0.63)
Cadmium	mg/Kg	-	-	-	-	-	ND (0.55)	ND (0.63)
Calcium	mg/Kg	-	-	-	-	-	2800	2080
Chromium	mg/Kg	-	-	-	-	-	8.1	13.9
Cobalt	mg/Kg	-	-	-	-	-	ND (5.5)	ND (6.3)
Copper	mg/Kg	-	-	-	-	-	4.7	8.6
Iron	mg/Kg	-	-	-	-	-	6930	11200
Lead	mg/Kg	-	-	-	-	-	6.0	7.0
Magnesium	mg/Kg	-	-	-	-	-	1810	1910
Manganese	mg/Kg	-	-	-	-	-	84.7	358
Mercury	mg/Kg	-	-	-	-	-	ND (0.11)	ND (0.13)
Nickel	mg/Kg	-	-	-	-	-	6.5	11.1
Potassium	mg/Kg	-	-	-	-	-	ND (552)	925
Selenium	mg/Kg	-	-	-	-	-	ND (0.55)	ND (0.63)
Silver	mg/Kg	-	-	-	-	-	ND (1.1)	ND (1.3)
Sodium	mg/Kg	-	-	-	-	-	ND (552)	ND (625)
Thallium	mg/Kg	-	-	-	-	-	ND (1.1)	ND (1.3)
Vanadium	mg/Kg	-	-	-	-	-	13.2	19.2
Zinc	mg/Kg	-	-	-	-	-	23.2	37.8
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-	18	190
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***Comp BH197-198***	***MW-100-98***	***MW-105-98***
Sample ID:		***S-12609-041100-KMV-017***	***S-10236-010598-FCE-001***	***S-10236-030598-FCE-018***
Sample Depth:		***(2-4)***	***(7.8-10)***	***(12-13.5)***
Sample Date:		***4/11/2000***	***1/5/1998***	***3/5/1998***
Parameter	***Unit***			
Volatiles				
1,1,1-Trichloroethane	ug/Kg	-	ND (10)	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (10)	-
1,1,2-Trichloroethane	ug/Kg	-	ND (10)	-
1,1-Dichloroethane	ug/Kg	-	ND (10)	-
1,1-Dichloroethene	ug/Kg	-	ND (10)	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (10)	-
1,2-Dichloroethane	ug/Kg	-	ND (10)	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (10)	-
1,3-Dichlorobenzene	ug/Kg	-	ND (10)	-
1,4-Dichlorobenzene	ug/Kg	-	ND (10)	-
2-Butanone	ug/Kg	-	ND (100)	-
2-Hexanone	ug/Kg	-	ND (100)	-
4-Methyl-2-pentanone	ug/Kg	-	ND (100)	-
Acetone	ug/Kg	-	ND (100)	-
Benzene, isopropyl	ug/Kg	-	-	-
Benzene	ug/Kg	-	ND (10)	-
Bromodichloromethane	ug/Kg	-	ND (10)	-
Bromoform	ug/Kg	-	ND (10)	-
Bromomethane	ug/Kg	-	ND (10)	-
Carbon disulfide	ug/Kg	-	ND (100)	-
Carbon tetrachloride	ug/Kg	-	ND (10)	-
Chlorobenzene	ug/Kg	-	ND (10)	-
Chloroethane	ug/Kg	-	ND (10)	-
Chloroform	ug/Kg	-	ND (10)	-
Chloromethane	ug/Kg	-	ND (10)	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (10)	-
Cyclohexane	ug/Kg	-	-	-
Dibromochloromethane	ug/Kg	-	ND (10)	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-
Ethylbenzene	ug/Kg	-	ND (10)	-
Methyl acetate	ug/Kg	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-
Methylene chloride	ug/Kg	-	ND (10)	-
Styrene	ug/Kg	-	ND (10)	-
Tetrachloroethene	ug/Kg	-	ND (10)	-
Toluene	ug/Kg	-	ND (10)	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (10)	-
Trichloroethene	ug/Kg	-	ND (10)	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-
Vinyl chloride	ug/Kg	-	ND (10)	-
Xylene (total)	ug/Kg	-	ND (30)	-
Semi-Volatiles				
1,2,4-Trichlorobenzene	ug/Kg	-	ND (420)	-
1,2-Dichlorobenzene	ug/Kg	-	ND (420)	-
1,3-Dichlorobenzene	ug/Kg	-	ND (420)	-
1,4-Dichlorobenzene	ug/Kg	-	ND (420)	-
1-Methyl naphthalene	ug/Kg	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (390)	ND (1000)	-

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*Comp BH197-198*	*MW-100-98*	*MW-105-98*
Sample ID:		*S-12609-041100-KMV-017*	*S-10236-010598-FCE-001*	*S-10236-030598-FCE-018*
Sample Depth:		*(2-4)*	*(7.8-10)*	*(12-13.5)*
Sample Date:		*4/11/2000*	*1/5/1998*	*3/5/1998*
Parameter	***Unit***			
2,4,6-Trichlorophenol	ug/Kg	ND (390)	ND (420)	-
2,4-Dichlorophenol	ug/Kg	ND (390)	ND (420)	-
2,4-Dimethylphenol	ug/Kg	ND (390)	ND (420)	-
2,4-Dinitrophenol	ug/Kg	ND (1900)	ND (1000)	-
2,4-Dinitrotoluene	ug/Kg	ND (390)	ND (420)	-
2,6-Dinitrotoluene	ug/Kg	ND (390)	ND (420)	-
2-Chloronaphthalene	ug/Kg	ND (390)	ND (420)	-
2-Chlorophenol	ug/Kg	ND (390)	ND (420)	-
2-Methyl naphthalene	ug/Kg	ND (390)	ND (420)	-
2-Methylphenol	ug/Kg	ND (390)	ND (420)	-
2-Nitroaniline	ug/Kg	ND (1900)	ND (1000)	-
2-Nitrophenol	ug/Kg	ND (390)	ND (420)	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1900)	ND (420)	-
3-Nitroaniline	ug/Kg	ND (1900)	ND (1000)	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (1900)	ND (1000)	-
4-Bromophenyl phenyl ether	ug/Kg	ND (390)	ND (420)	-
4-Chloro-3-methylphenol	ug/Kg	ND (390)	ND (420)	-
4-Chloroaniline	ug/Kg	ND (390)	ND (420)	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (390)	ND (420)	-
4-Methylphenol	ug/Kg	ND (390)	ND (420)	-
4-Nitroaniline	ug/Kg	ND (1900)	ND (1000)	-
4-Nitrophenol	ug/Kg	ND (1900)	ND (1000)	-
Acenaphthene	ug/Kg	ND (390)	ND (420)	-
Acenaphthylene	ug/Kg	ND (390)	ND (420)	-
Acetophenone	ug/Kg	ND (390)	-	-
Anthracene	ug/Kg	ND (390)	ND (420)	-
Atrazine	ug/Kg	ND (390)	-	-
Benzaldehyde	ug/Kg	ND (390)	-	-
Benzo(a)anthracene	ug/Kg	ND (390)	ND (420)	-
Benzo(a)pyrene	ug/Kg	ND (390)	ND (420)	-
Benzo(b)fluoranthene	ug/Kg	ND (390)	ND (420)	-
Benzo(g,h,i)perylene	ug/Kg	ND (390)	ND (420)	-
Benzo(k)fluoranthene	ug/Kg	ND (390)	ND (420)	-
Biphenyl	ug/Kg	ND (390)	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (390)	ND (420)	-
bis(2-Chloroethyl)ether	ug/Kg	ND (390)	ND (420)	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (390)	ND (420)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (390)	ND (420)	-
Butyl benzylphthalate	ug/Kg	ND (390)	ND (420)	-
Caprolactam	ug/Kg	ND (390)	-	-
Carbazole	ug/Kg	ND (390)	ND (420)	-
Chrysene	ug/Kg	ND (390)	ND (420)	-
Dibenz(a,h)anthracene	ug/Kg	ND (390)	ND (420)	-
Dibenzofuran	ug/Kg	ND (390)	ND (420)	-
Diethyl phthalate	ug/Kg	ND (390)	ND (420)	-
Dimethyl phthalate	ug/Kg	ND (390)	ND (420)	-
Di-n-butylphthalate	ug/Kg	ND (390)	ND (420)	-
Di-n-octyl phthalate	ug/Kg	ND (390)	ND (420)	-
Fluoranthene	ug/Kg	ND (390)	ND (420)	-
Fluorene	ug/Kg	ND (390)	ND (420)	-
Hexachlorobenzene	ug/Kg	ND (390)	ND (420)	-
Hexachlorobutadiene	ug/Kg	ND (390)	ND (420)	-
Hexachlorocyclopentadiene	ug/Kg	ND (1900)	ND (420)	-
Hexachloroethane	ug/Kg	ND (390)	ND (420)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (390)	ND (420)	-
Isophorone	ug/Kg	ND (390)	ND (420)	-
Naphthalene	ug/Kg	ND (390)	ND (420)	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***Comp BH197-198***	***MW-100-98***	***MW-105-98***
Sample ID:		***S-12609-041100-KMV-017***	***S-10236-010598-FCE-001***	***S-10236-030598-FCE-018***
Sample Depth:		***(2-4)***	***(7.8-10)***	***(12-13.5)***
Sample Date:		***4/11/2000***	***1/5/1998***	***3/5/1998***
Parameter	***Unit***			
Nitrobenzene	ug/Kg	ND (390)	ND (420)	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (390)	ND (420)	-
N-Nitrosodiphenylamine	ug/Kg	ND (390)	ND (420)	-
Pentachlorophenol	ug/Kg	ND (390)	ND (1000)	-
Phenanthrene	ug/Kg	ND (390)	ND (420)	-
Phenol	ug/Kg	ND (390)	ND (420)	-
Pyrene	ug/Kg	ND (390)	ND (420)	-
PCBs				
Aroclor-1016	ug/Kg	ND (39)	ND (4200)	ND (330)
Aroclor-1221	ug/Kg	ND (39)	ND (4200)	ND (330)
Aroclor-1232	ug/Kg	ND (39)	ND (4200)	ND (330)
Aroclor-1242	ug/Kg	ND (39)	ND (4200)	ND (330)
Aroclor-1248	ug/Kg	ND (39)	25000	ND (330)
Aroclor-1254	ug/Kg	ND (39)	ND (4200)	ND (330)
Aroclor-1260	ug/Kg	ND (39)	ND (4200)	ND (330)
Total PCBs	ug/Kg	-	25000	-
Metals				
Aluminum	mg/Kg	6610	6300	-
Antimony	mg/Kg	ND (7.0)	R	-
Arsenic	mg/Kg	4.7	9.3 J	-
Barium	mg/Kg	53.5	93 J	-
Beryllium	mg/Kg	ND (0.59)	0.69	-
Cadmium	mg/Kg	ND (0.59)	0.36	-
Calcium	mg/Kg	2130	4500 J	-
Chromium	mg/Kg	11.6	12	-
Cobalt	mg/Kg	ND (5.9)	14 J	-
Copper	mg/Kg	4.4	12 J	-
Iron	mg/Kg	12100	20000	-
Lead	mg/Kg	7.0	14	-
Magnesium	mg/Kg	1590	3700 J	-
Manganese	mg/Kg	422	360	-
Mercury	mg/Kg	ND (0.12)	ND (0.1)	-
Nickel	mg/Kg	8.3	19	-
Potassium	mg/Kg	ND (587)	620	-
Selenium	mg/Kg	ND (0.59)	ND (0.5) UJ	-
Silver	mg/Kg	ND (1.2)	ND (0.5) UJ	-
Sodium	mg/Kg	ND (587)	85	-
Thallium	mg/Kg	ND (1.2)	ND (0.5)	-
Vanadium	mg/Kg	17.3	23	-
Zinc	mg/Kg	37.2	94 J	-
General Chemistry				
Cyanide (total)	mg/Kg	-	ND (0.2)	-
pH Corrosivity	none	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	-	-
Diesel range organics (DRO)	ug/Kg	-	180000	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*MW-106-98*	*MW-112-99*	*MW-112-99*	*MW-112-99*	*SS1-00*	*SS2-00*	*SS3-00*
Sample ID:		*S-10236-030598-FCE-022*	*S-12609-081799-DN-01*	*S-12609-081799-DN-02*	*S-12609-081799-DN-03*	*SS-12609-060100-DEN-06*	*SS-12609-060100-DEN-07*	*SS-12609-060100-DEN-08*
Sample Depth:		*(12-15)*	*(8-9.5)*	*(9.5-10.5)*	*(10.5-12)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*
Sample Date:		*3/5/1998*	*8/17/1999*	*8/17/1999*	*8/17/1999*	*6/1/2000*	*6/1/2000*	*6/1/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		*MW-106-98*	*MW-112-99*	*MW-112-99*	*MW-112-99*	*SS1-00*	*SS2-00*	*SS3-00*
Sample ID:		*S-10236-030598-FCE-022*	*S-12609-081799-DN-01*	*S-12609-081799-DN-02*	*S-12609-081799-DN-03*	*SS-12609-060100-DEN-06*	*SS-12609-060100-DEN-07*	*SS-12609-060100-DEN-08*
Sample Depth:		*(12-15)*	*(8-9.5)*	*(9.5-10.5)*	*(10.5-12)*	*(0-0.5)*	*(0-0.5)*	*(0-0.5)*
Sample Date:		*3/5/1998*	*8/17/1999*	*8/17/1999*	*8/17/1999*	*6/1/2000*	*6/1/2000*	*6/1/2000*
Parameter	***Unit***							
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Acenaphthylene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Benzo(a)pyrene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Fluorene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-

TABLE C.2.1

SUMMARY OF ANALYTICAL RESULTS

SOUTH EASTBERM

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-106-98***	***MW-112-99***	***MW-112-99***	***MW-112-99***	***SS1-00***	***SS2-00***	***SS3-00***
Sample ID:		***S-10236-030598-FCE-022***	***S-12609-081799-DN-01***	***S-12609-081799-DN-02***	***S-12609-081799-DN-03***	***SS-12609-060100-DEN-06***	***SS-12609-060100-DEN-07***	***SS-12609-060100-DEN-08***
Sample Depth:		***(12-15)***	***(8-9.5)***	***(9.5-10.5)***	***(10.5-12)***	***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***3/5/1998***	***8/17/1999***	***8/17/1999***	***8/17/1999***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***							
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	ND (380)	ND (390)	ND (390)	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	ND (37)
Aroclor-1221	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	ND (37)
Aroclor-1232	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	ND (37)
Aroclor-1242	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	ND (37)
Aroclor-1248	ug/Kg	ND (330)	13000	15000	26000	350	220 J	ND (37)
Aroclor-1254	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	130
Aroclor-1260	ug/Kg	ND (330)	ND (760)	ND (2000)	ND (2000)	ND (40)	ND (38) UJ	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-	-	-
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
Cyanide (total)	mg/Kg	-	-	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	480 J	150 J	870 J	-	-	-
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Sample ID:		***BH227-00***	***BH227-00***	***BH231-00***	***BH231-00***
		W-12609-060500-DEN-69 (DISSOLV	***W-12609-060500-DEN-69***	***W-12609-060100-DEN-19 (DISSOLV***	***W-12609-060100-DEN-19***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2-Butanone	ug/L	-	-	-	-
2-Hexanone	ug/L	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-
Acetone	ug/L	-	-	-	-
Benzene	ug/L	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-
Bromoform	ug/L	-	-	-	-
Bromomethane	ug/L	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-
Chloroethane	ug/L	-	-	-	-
Chloroform	ug/L	-	-	-	-
Chloromethane	ug/L	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
Methylene chloride	ug/L	-	-	-	-
Styrene	ug/L	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-
Trichloroethene	ug/L	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-
Xylene (total)	ug/L	-	-	-	-
Semi-Volatiles					
1,2,4-Trichlorobenzene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*BH227-00*	*BH227-00*	*BH231-00*	*BH231-00*
Sample ID:		*W-12609-060500-DEN-69 (DISSOLV*	*W-12609-060500-DEN-69*	*W-12609-060100-DEN-19 (DISSOLV*	*W-12609-060100-DEN-19*
Sample Date:		*6/5/2000*	*6/5/2000*	*6/1/2000*	*6/1/2000*
Parameter	***Unit***				
2,6-Dinitrotoluene	ug/L	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-
Acenaphthene	ug/L	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-
Anthracene	ug/L	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-
Carbazole	ug/L	-	-	-	-
Chlordane	ug/L	-	-	-	-
Chrysene	ug/L	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-
Fluoranthene	ug/L	-	-	-	-
Fluorene	ug/L	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-
Isophorone	ug/L	-	-	-	-
Naphthalene	ug/L	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH227-00***	***BH227-00***	***BH231-00***	***BH231-00***
Sample ID:		***W-12609-060500-DEN-69 (DISSOLV***	***W-12609-060500-DEN-69***	***W-12609-060100-DEN-19 (DISSOLV***	***W-12609-060100-DEN-19***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***				
Pentachlorophenol	ug/L	-	-	-	-
Phenanthrene	ug/L	-	-	-	-
Phenol	ug/L	-	-	-	-
Pyrene	ug/L	-	-	-	-
PCBs					
Aroclor 1016, dissolved	ug/L	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-
Aroclor-1016	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Aroclor-1221	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Aroclor-1232	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Aroclor-1242	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Aroclor-1248	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	290
Aroclor-1254	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Aroclor-1260	ug/L	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (50)
Pesticides					
4,4-DDD	ug/L	-	-	-	-
4,4-DDE	ug/L	-	-	-	-
4,4-DDT	ug/L	-	-	-	-
Aldrin	ug/L	-	-	-	-
alpha-BHC	ug/L	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-
beta-BHC	ug/L	-	-	-	-
delta-BHC	ug/L	-	-	-	-
Dieldrin	ug/L	-	-	-	-
Endosulfan I	ug/L	-	-	-	-
Endosulfan II	ug/L	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-
Endrin ketone	ug/L	-	-	-	-
Endrin	ug/L	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-
Heptachlor	ug/L	-	-	-	-
Methoxychlor	ug/L	-	-	-	-
Toxaphene	ug/L	-	-	-	-
Metals					
Aluminum (Dissolved)	mg/L	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-
Arsenic	mg/L	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH227-00***	***BH227-00***	***BH231-00***	***BH231-00***
Sample ID:		***W-12609-060500-DEN-69 (DISSOLV***	***W-12609-060500-DEN-69***	***W-12609-060100-DEN-19 (DISSOLV***	***W-12609-060100-DEN-19***
Sample Date:		***6/5/2000***	***6/5/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***				
Cadmium (Dissolved)	mg/L	-	-	-	-
Cadmium	mg/L	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-
Calcium	mg/L	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-
Iron	mg/L	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-
Lead	mg/L	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-
Magnesium	mg/L	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-
Manganese	mg/L	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-
Mercury	mg/L	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-
Potassium	mg/L	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-
Silver	mg/L	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-
Sodium	mg/L	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-
Zinc	mg/L	-	-	-	-
General Chemistry					
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-
Cyanide (total)	mg/L	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-100 (DISSOL***	***W-12609-060600-DEN-100***	***W-12609-060600-DEN-101 (DISSOL***	***W-12609-060600-DEN-101***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2-Butanone	ug/L	-	-	-	-
2-Hexanone	ug/L	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-
Acetone	ug/L	-	-	-	-
Benzene	ug/L	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-
Bromoform	ug/L	-	-	-	-
Bromomethane	ug/L	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-
Chloroethane	ug/L	-	-	-	-
Chloroform	ug/L	-	-	-	-
Chloromethane	ug/L	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
Methylene chloride	ug/L	-	-	-	-
Styrene	ug/L	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-
Trichloroethene	ug/L	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-
Xylene (total)	ug/L	-	-	-	-
Semi-Volatiles					
1,2,4-Trichlorobenzene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*
Sample ID:		*W-12609-060600-DEN-100 (DISSOL*	*W-12609-060600-DEN-100*	*W-12609-060600-DEN-101 (DISSOL*	*W-12609-060600-DEN-101*
Sample Date:		*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***				
2,6-Dinitrotoluene	ug/L	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-
Acenaphthene	ug/L	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-
Anthracene	ug/L	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-
Carbazole	ug/L	-	-	-	-
Chlordane	ug/L	-	-	-	-
Chrysene	ug/L	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-
Fluoranthene	ug/L	-	-	-	-
Fluorene	ug/L	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-
Isophorone	ug/L	-	-	-	-
Naphthalene	ug/L	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-100 (DISSOL***	***W-12609-060600-DEN-100***	***W-12609-060600-DEN-101 (DISSOL***	***W-12609-060600-DEN-101***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Pentachlorophenol	ug/L	-	-	-	-
Phenanthrene	ug/L	-	-	-	-
Phenol	ug/L	-	-	-	-
Pyrene	ug/L	-	-	-	-
PCBs					
Aroclor 1016, dissolved	ug/L	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-
Aroclor-1016	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0) UJ	6.1	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0) UJ	ND (5.0)	ND (1.0)	ND (1.0)
Pesticides					
4,4-DDD	ug/L	-	-	-	-
4,4-DDE	ug/L	-	-	-	-
4,4-DDT	ug/L	-	-	-	-
Aldrin	ug/L	-	-	-	-
alpha-BHC	ug/L	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-
beta-BHC	ug/L	-	-	-	-
delta-BHC	ug/L	-	-	-	-
Dieldrin	ug/L	-	-	-	-
Endosulfan I	ug/L	-	-	-	-
Endosulfan II	ug/L	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-
Endrin ketone	ug/L	-	-	-	-
Endrin	ug/L	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-
Heptachlor	ug/L	-	-	-	-
Methoxychlor	ug/L	-	-	-	-
Toxaphene	ug/L	-	-	-	-
Metals					
Aluminum (Dissolved)	mg/L	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-
Arsenic	mg/L	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-100 (DISSOL***	***W-12609-060600-DEN-100***	***W-12609-060600-DEN-101 (DISSOL***	***W-12609-060600-DEN-101***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Cadmium (Dissolved)	mg/L	-	-	-	-
Cadmium	mg/L	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-
Calcium	mg/L	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-
Iron	mg/L	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-
Lead	mg/L	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-
Magnesium	mg/L	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-
Manganese	mg/L	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-
Mercury	mg/L	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-
Potassium	mg/L	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-
Silver	mg/L	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-
Sodium	mg/L	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-
Zinc	mg/L	-	-	-	-
General Chemistry					
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-
Cyanide (total)	mg/L	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-98(DISSOLVE***	***W-12609-060600-DEN-98***	***W-12609-060600-DEN-99 (DISSOLV***	***W-12609-060600-DEN-99***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2-Butanone	ug/L	-	-	-	-
2-Hexanone	ug/L	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-
Acetone	ug/L	-	-	-	-
Benzene	ug/L	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-
Bromoform	ug/L	-	-	-	-
Bromomethane	ug/L	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-
Chloroethane	ug/L	-	-	-	-
Chloroform	ug/L	-	-	-	-
Chloromethane	ug/L	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
Methylene chloride	ug/L	-	-	-	-
Styrene	ug/L	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-
Trichloroethene	ug/L	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-
Xylene (total)	ug/L	-	-	-	-
Semi-Volatiles					
1,2,4-Trichlorobenzene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*BH232-00*	*BH232-00*	*BH232-00*	*BH232-00*
Sample ID:		*W-12609-060600-DEN-98(DISSOLVE*	*W-12609-060600-DEN-98*	*W-12609-060600-DEN-99 (DISSOLV*	*W-12609-060600-DEN-99*
Sample Date:		*6/6/2000*	*6/6/2000*	*6/6/2000*	*6/6/2000*
Parameter	***Unit***				
2,6-Dinitrotoluene	ug/L	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-
Acenaphthene	ug/L	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-
Anthracene	ug/L	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-
Carbazole	ug/L	-	-	-	-
Chlordane	ug/L	-	-	-	-
Chrysene	ug/L	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-
Fluoranthene	ug/L	-	-	-	-
Fluorene	ug/L	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-
Isophorone	ug/L	-	-	-	-
Naphthalene	ug/L	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-98(DISSOLVE***	***W-12609-060600-DEN-98***	***W-12609-060600-DEN-99 (DISSOLV***	***W-12609-060600-DEN-99***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Pentachlorophenol	ug/L	-	-	-	-
Phenanthrene	ug/L	-	-	-	-
Phenol	ug/L	-	-	-	-
Pyrene	ug/L	-	-	-	-
PCBs					
Aroclor 1016, dissolved	ug/L	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-
Aroclor-1016	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1221	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1232	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1242	ug/L	ND (1.0) UJ	10	ND (1.0) UJ	15 J
Aroclor-1248	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1254	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Aroclor-1260	ug/L	ND (1.0) UJ	ND (2.0)	ND (1.0) UJ	ND (10) UJ
Pesticides					
4,4-DDD	ug/L	-	-	-	-
4,4-DDE	ug/L	-	-	-	-
4,4-DDT	ug/L	-	-	-	-
Aldrin	ug/L	-	-	-	-
alpha-BHC	ug/L	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-
beta-BHC	ug/L	-	-	-	-
delta-BHC	ug/L	-	-	-	-
Dieldrin	ug/L	-	-	-	-
Endosulfan I	ug/L	-	-	-	-
Endosulfan II	ug/L	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-
Endrin ketone	ug/L	-	-	-	-
Endrin	ug/L	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-
Heptachlor	ug/L	-	-	-	-
Methoxychlor	ug/L	-	-	-	-
Toxaphene	ug/L	-	-	-	-
Metals					
Aluminum (Dissolved)	mg/L	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-
Arsenic	mg/L	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***BH232-00***	***BH232-00***	***BH232-00***	***BH232-00***
Sample ID:		***W-12609-060600-DEN-98(DISSOLVE***	***W-12609-060600-DEN-98***	***W-12609-060600-DEN-99 (DISSOLV***	***W-12609-060600-DEN-99***
Sample Date:		***6/6/2000***	***6/6/2000***	***6/6/2000***	***6/6/2000***
Parameter	***Unit***				
Cadmium (Dissolved)	mg/L	-	-	-	-
Cadmium	mg/L	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-
Calcium	mg/L	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-
Iron	mg/L	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-
Lead	mg/L	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-
Magnesium	mg/L	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-
Manganese	mg/L	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-
Mercury	mg/L	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-
Potassium	mg/L	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-
Silver	mg/L	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-
Sodium	mg/L	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-
Zinc	mg/L	-	-	-	-
General Chemistry					
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-
Cyanide (total)	mg/L	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***
Sample ID:		***GW-10236-010798-TJ-001***	***GW-10236-021698-SM-005***	***GW-10236-021698-SM-006***	***GW-10236-030698-FCE-012***
Sample Date:		***1/7/1998***	***2/16/1998***	***2/16/1998***	***3/6/1998***
				Duplicate	
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,2-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,2-Dichloroethene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,3-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
1,4-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
2-Butanone	ug/L	ND (50)	ND (50)	ND (50)	-
2-Hexanone	ug/L	ND (50)	ND (50)	ND (50)	-
4-Methyl-2-pentanone	ug/L	ND (50)	ND (50)	ND (50)	-
Acetone	ug/L	ND (100)	ND (100)	ND (100)	-
Benzene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	-
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Carbon disulfide	ug/L	ND (50)	ND (50)	ND (50)	-
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Chloroform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Methylene chloride	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	-
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	-
Xylene (total)	ug/L	ND (3.0)	ND (3.0)	ND (3.0)	-
Semi-Volatiles					
1,2,4-Trichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
1,2-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
1,3-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
1,4-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
2,4,5-Trichlorophenol	ug/L	ND (25)	ND (25)	ND (25)	-
2,4,6-Trichlorophenol	ug/L	ND (10)	ND (10)	ND (10)	-
2,4-Dichlorophenol	ug/L	ND (10)	ND (10)	ND (10)	-
2,4-Dimethylphenol	ug/L	ND (10)	ND (10)	ND (10)	-
2,4-Dinitrophenol	ug/L	ND (25)	ND (25)	ND (25)	-
2,4-Dinitrotoluene	ug/L	ND (10)	ND (10)	ND (10)	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*
Sample ID:		*GW-10236-010798-TJ-001*	*GW-10236-021698-SM-005*	*GW-10236-021698-SM-006*	*GW-10236-030698-FCE-012*
Sample Date:		*1/7/1998*	*2/16/1998*	*2/16/1998*	*3/6/1998*
				Duplicate	
Parameter	***Unit***				
2,6-Dinitrotoluene	ug/L	ND (10)	ND (10)	ND (10)	-
2-Chloronaphthalene	ug/L	ND (10)	ND (10)	ND (10)	-
2-Chlorophenol	ug/L	ND (10)	ND (10)	ND (10)	-
2-Methyl naphthalene	ug/L	ND (10)	ND (10)	ND (10)	-
2-Methylphenol	ug/L	ND (10)	ND (10)	ND (10)	-
2-Nitroaniline	ug/L	ND (25)	ND (25)	ND (25)	-
2-Nitrophenol	ug/L	ND (10)	ND (10)	ND (10)	-
3,3'-Dichlorobenzidine	ug/L	ND (10)	ND (10)	ND (10)	-
3-Nitroaniline	ug/L	ND (25)	ND (25)	ND (25)	-
4,6-Dinitro-2-methylphenol	ug/L	ND (25)	ND (25)	ND (25)	-
4-Bromophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	-
4-Chloro-3-methylphenol	ug/L	ND (10)	ND (10)	ND (10)	-
4-Chloroaniline	ug/L	ND (10)	ND (10)	ND (10)	-
4-Chlorophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	-
4-Methylphenol	ug/L	ND (10)	ND (10)	ND (10)	-
4-Nitroaniline	ug/L	ND (25)	ND (25)	ND (25)	-
4-Nitrophenol	ug/L	ND (25)	ND (25)	ND (25)	-
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	-
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)	-
Anthracene	ug/L	ND (10)	ND (10)	ND (10)	-
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)	-
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)	-
Benzo(b)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	-
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)	-
Benzo(k)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	-
bis(2-Chloroethoxy)methane	ug/L	ND (10)	ND (10)	ND (10)	-
bis(2-Chloroethyl)ether	ug/L	ND (10)	ND (10)	ND (10)	-
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	ND (10)	ND (10)	-
bis(2-Ethylhexyl)phthalate	ug/L	23	ND (10)	ND (10)	-
Butyl benzylphthalate	ug/L	ND (10)	ND (10)	ND (10)	-
Carbazole	ug/L	ND (10)	ND (10)	ND (10)	-
Chlordane	ug/L	-	ND (0.40)	ND (0.40)	-
Chrysene	ug/L	ND (10)	ND (10)	ND (10)	-
Dibenz(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)	-
Dibenzofuran	ug/L	ND (10)	ND (10)	ND (10)	-
Diethyl phthalate	ug/L	ND (10)	ND (10)	ND (10)	-
Dimethyl phthalate	ug/L	ND (10)	ND (10)	ND (10)	-
Di-n-butylphthalate	ug/L	ND (10)	ND (10)	ND (10)	-
Di-n-octyl phthalate	ug/L	ND (10)	ND (10)	ND (10)	-
Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	-
Fluorene	ug/L	ND (10)	ND (10)	ND (10)	-
Hexachlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
Hexachlorobutadiene	ug/L	ND (10)	ND (10)	ND (10)	-
Hexachlorocyclopentadiene	ug/L	ND (10)	ND (10)	ND (10)	-
Hexachloroethane	ug/L	ND (10)	ND (10)	ND (10)	-
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)	-
Isophorone	ug/L	ND (10)	ND (10)	ND (10)	-
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)	-
Nitrobenzene	ug/L	ND (10)	ND (10)	ND (10)	-
N-Nitrosodi-n-propylamine	ug/L	ND (10)	ND (10)	ND (10)	-
N-Nitrosodiphenylamine	ug/L	ND (10)	ND (10)	ND (10)	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***
Sample ID:		***GW-10236-010798-TJ-001***	***GW-10236-021698-SM-005***	***GW-10236-021698-SM-006***	***GW-10236-030698-FCE-012***
Sample Date:		***1/7/1998***	***2/16/1998***	***2/16/1998***	***3/6/1998***
				Duplicate	
Parameter	***Unit***				
Pentachlorophenol	ug/L	ND (25)	ND (25)	ND (25)	-
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)	-
Phenol	ug/L	ND (10)	ND (10)	ND (10)	-
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	-
PCBs					
Aroclor 1016, dissolved	ug/L	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-
Aroclor-1016	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Aroclor-1221	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Aroclor-1232	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Aroclor-1242	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Aroclor-1248	ug/L	13	92	86	76
Aroclor-1254	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Aroclor-1260	ug/L	ND (1.0)	ND (0.50)	ND (0.50)	-
Pesticides					
4,4-DDD	ug/L	-	ND (0.10)	ND (0.10)	-
4,4-DDE	ug/L	-	ND (0.10)	ND (0.10)	-
4,4-DDT	ug/L	-	ND (0.10)	ND (0.10)	-
Aldrin	ug/L	-	ND (0.050)	ND (0.050)	-
alpha-BHC	ug/L	-	ND (0.050)	ND (0.050)	-
alpha-Chlordane	ug/L	-	ND (0.050)	ND (0.050)	-
beta-BHC	ug/L	-	ND (0.050)	ND (0.050)	-
delta-BHC	ug/L	-	ND (0.050)	ND (0.050)	-
Dieldrin	ug/L	-	ND (0.10)	ND (0.10)	-
Endosulfan I	ug/L	-	ND (0.050)	ND (0.050)	-
Endosulfan II	ug/L	-	ND (0.10)	ND (0.10)	-
Endosulfan sulfate	ug/L	-	ND (0.10)	ND (0.10)	-
Endrin aldehyde	ug/L	-	ND (0.10)	ND (0.10)	-
Endrin ketone	ug/L	-	ND (0.10)	ND (0.10)	-
Endrin	ug/L	-	ND (0.10)	ND (0.10)	-
gamma-BHC (Lindane)	ug/L	-	ND (0.050)	ND (0.050)	-
gamma-Chlordane	ug/L	-	ND (0.050)	ND (0.050)	-
Heptachlor epoxide	ug/L	-	ND (0.050)	ND (0.050)	-
Heptachlor	ug/L	-	ND (0.050)	ND (0.050)	-
Methoxychlor	ug/L	-	ND (0.50)	ND (0.50)	-
Toxaphene	ug/L	-	ND (1.0)	ND (1.0)	-
Metals					
Aluminum (Dissolved)	mg/L	ND (0.1)	ND (0.1)	ND (0.1)	-
Antimony (Dissolved)	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	-
Arsenic (Dissolved)	mg/L	0.031	0.034	0.035	-
Arsenic	mg/L	0.031	0.034	0.035	-
Barium (Dissolved)	mg/L	ND (0.2)	ND (0.2)	ND (0.2)	-
Beryllium (Dissolved)	mg/L	ND (0.001) UJ	ND (0.001)	ND (0.001)	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***
Sample ID:		***GW-10236-010798-TJ-001***	***GW-10236-021698-SM-005***	***GW-10236-021698-SM-006***	***GW-10236-030698-FCE-012***
Sample Date:		***1/7/1998***	***2/16/1998***	***2/16/1998***	***3/6/1998***
				Duplicate	
Parameter	***Unit***				
Cadmium (Dissolved)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	-
Cadmium	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	-
Calcium (Dissolved)	mg/L	78	65	65	-
Calcium	mg/L	78	65	65	-
Chromium (Dissolved)	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	-
Cobalt (Dissolved)	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	-
Copper (Dissolved)	mg/L	ND (0.025)	ND (0.025)	ND (0.025)	-
Iron (Dissolved)	mg/L	15	17	17	-
Iron	mg/L	15 J	17	17	-
Lead (Dissolved)	mg/L	ND (0.003)	ND (0.003)	0.0042	-
Lead	mg/L	ND (0.003)	ND (0.003)	0.0042	-
Magnesium (Dissolved)	mg/L	23	19	19	-
Magnesium	mg/L	23	19	19	-
Manganese (Dissolved)	mg/L	3.8	3.5	3.5	-
Manganese	mg/L	3.8	3.5	3.5	-
Mercury (Dissolved)	mg/L	ND (0.0002)	0.00064	0.00064	-
Mercury	mg/L	ND (0.0002)	0.00064	0.00064	-
Nickel (Dissolved)	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	-
Potassium (Dissolved)	mg/L	1.1	0.73	0.72	-
Potassium	mg/L	1.1	0.73	0.72	-
Selenium (Dissolved)	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	-
Silver (Dissolved)	mg/L	0.0014	ND (0.0005) UJ	ND (0.0005) UJ	-
Silver	mg/L	0.0014	ND (0.0005) UJ	ND (0.0005) UJ	-
Sodium (Dissolved)	mg/L	46	39	39	-
Sodium	mg/L	46	39	39	-
Thallium (Dissolved)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	-
Vanadium (Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	-
Zinc (Dissolved)	mg/L	0.028 J	ND (0.02)	ND (0.02)	-
Zinc	mg/L	0.028 J	0.052	0.044	-
General Chemistry					
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-
Cyanide (total)	mg/L	ND (0.010)	ND (0.010)	ND (0.010)	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*
Sample ID:		*GW-10236-030698-FCE-013*	*W-12609-021000-DEN-01*	*W-12609-041800-KMV-806*	*W-12609-041800-KMV-807*	*W-12609-041800-KMV-808*
Sample Date:		*3/6/1998*	*2/10/2000*	*4/18/2000*	*4/18/2000*	*4/18/2000*
		Duplicate				
Parameter	*Unit*					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-
2-Hexanone	ug/L	-	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-	-
Bromoform	ug/L	-	-	-	-	-
Bromomethane	ug/L	-	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-	-
Chloroethane	ug/L	-	-	-	-	-
Chloroform	ug/L	-	-	-	-	-
Chloromethane	ug/L	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-	-
Methylene chloride	ug/L	-	-	-	-	-
Styrene	ug/L	-	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-	-
Toluene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-	-
Trichloroethene	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-	-
Xylene (total)	ug/L	-	-	-	-	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*	*MW-100-98*
Sample ID:		*GW-10236-030698-FCE-013*	*W-12609-021000-DEN-01*	*W-12609-041800-KMV-806*	*W-12609-041800-KMV-807*	*W-12609-041800-KMV-808*
Sample Date:		*3/6/1998*	*2/10/2000*	*4/18/2000*	*4/18/2000*	*4/18/2000*
		Duplicate				
Parameter	*Unit*					
2,6-Dinitrotoluene	ug/L	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-
Chlordane	ug/L	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***
Sample ID:		***GW-10236-030698-FCE-013***	***W-12609-021000-DEN-01***	***W-12609-041800-KMV-806***	***W-12609-041800-KMV-807***	***W-12609-041800-KMV-808***
Sample Date:		***3/6/1998***	***2/10/2000***	***4/18/2000***	***4/18/2000***	***4/18/2000***
		Duplicate				
Parameter	***Unit***					
Pentachlorophenol	ug/L	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-
PCBs						
Aroclor 1016, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1221, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1232, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1242, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1248, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1254, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor 1260, dissolved	ug/L	-	ND (1.0)	-	-	-
Aroclor-1016	ug/L	-	84	ND (10)	ND (1.0)	ND (20)
Aroclor-1221	ug/L	-	ND (50)	ND (10)	ND (1.0)	ND (20)
Aroclor-1232	ug/L	-	ND (50)	ND (10)	ND (1.0)	ND (20)
Aroclor-1242	ug/L	-	ND (50)	ND (10)	ND (1.0)	ND (20)
Aroclor-1248	ug/L	4.3	ND (50)	54	ND (1.0)	140
Aroclor-1254	ug/L	-	ND (50)	ND (10)	ND (1.0)	ND (20)
Aroclor-1260	ug/L	-	ND (50)	ND (10)	ND (1.0)	ND (20)
Pesticides						
4,4-DDD	ug/L	-	-	-	-	-
4,4-DDE	ug/L	-	-	-	-	-
4,4-DDT	ug/L	-	-	-	-	-
Aldrin	ug/L	-	-	-	-	-
alpha-BHC	ug/L	-	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-	-
beta-BHC	ug/L	-	-	-	-	-
delta-BHC	ug/L	-	-	-	-	-
Dieldrin	ug/L	-	-	-	-	-
Endosulfan I	ug/L	-	-	-	-	-
Endosulfan II	ug/L	-	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-	-
Endrin ketone	ug/L	-	-	-	-	-
Endrin	ug/L	-	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-	-
Heptachlor	ug/L	-	-	-	-	-
Methoxychlor	ug/L	-	-	-	-	-
Toxaphene	ug/L	-	-	-	-	-
Metals						
Aluminum (Dissolved)	mg/L	-	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***	***MW-100-98***
Sample ID:		***GW-10236-030698-FCE-013***	***W-12609-021000-DEN-01***	***W-12609-041800-KMV-806***	***W-12609-041800-KMV-807***	***W-12609-041800-KMV-808***
Sample Date:		***3/6/1998***	***2/10/2000***	***4/18/2000***	***4/18/2000***	***4/18/2000***
		Duplicate				
Parameter	***Unit***					
Cadmium (Dissolved)	mg/L	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-
Iron	mg/L	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-
Lead	mg/L	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-
Silver	mg/L	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-
General Chemistry						
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-
Cyanide (total)	mg/L	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-105-98***	***MW-105-98***	***MW-105-98***	***MW-106-98***	***MW-106-98***
Sample ID:		***W-12609-020900-DEN-01***	***W-12609-041800-KMV-804***	***W-12609-041800-KMV-805***	***W-12609-020900-DEN-02***	***W-12609-041800-KMV-800***
Sample Date:		***2/9/2000***	***4/18/2000***	***4/18/2000***	***2/9/2000***	***4/18/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-
2-Hexanone	ug/L	-	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-	-
Bromoform	ug/L	-	-	-	-	-
Bromomethane	ug/L	-	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-	-
Chloroethane	ug/L	-	-	-	-	-
Chloroform	ug/L	-	-	-	-	-
Chloromethane	ug/L	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-	-
Methylene chloride	ug/L	-	-	-	-	-
Styrene	ug/L	-	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-	-
Toluene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-	-
Trichloroethene	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-	-
Xylene (total)	ug/L	-	-	-	-	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-105-98*	*MW-105-98*	*MW-105-98*	*MW-106-98*	*MW-106-98*
Sample ID:		*W-12609-020900-DEN-01*	*W-12609-041800-KMV-804*	*W-12609-041800-KMV-805*	*W-12609-020900-DEN-02*	*W-12609-041800-KMV-800*
Sample Date:		*2/9/2000*	*4/18/2000*	*4/18/2000*	*2/9/2000*	*4/18/2000*
Parameter	***Unit***					
2,6-Dinitrotoluene	ug/L	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-
Chlordane	ug/L	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-105-98***	***MW-105-98***	***MW-105-98***	***MW-106-98***	***MW-106-98***
Sample ID:		***W-12609-020900-DEN-01***	***W-12609-041800-KMV-804***	***W-12609-041800-KMV-805***	***W-12609-020900-DEN-02***	***W-12609-041800-KMV-800***
Sample Date:		***2/9/2000***	***4/18/2000***	***4/18/2000***	***2/9/2000***	***4/18/2000***
Parameter	***Unit***					
Pentachlorophenol	ug/L	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-
PCBs						
Aroclor 1016, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1221, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1232, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1242, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1248, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1254, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor 1260, dissolved	ug/L	ND (1.0)	-	-	ND (1.0)	-
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Pesticides						
4,4-DDD	ug/L	-	-	-	-	-
4,4-DDE	ug/L	-	-	-	-	-
4,4-DDT	ug/L	-	-	-	-	-
Aldrin	ug/L	-	-	-	-	-
alpha-BHC	ug/L	-	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-	-
beta-BHC	ug/L	-	-	-	-	-
delta-BHC	ug/L	-	-	-	-	-
Dieldrin	ug/L	-	-	-	-	-
Endosulfan I	ug/L	-	-	-	-	-
Endosulfan II	ug/L	-	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-	-
Endrin ketone	ug/L	-	-	-	-	-
Endrin	ug/L	-	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-	-
Heptachlor	ug/L	-	-	-	-	-
Methoxychlor	ug/L	-	-	-	-	-
Toxaphene	ug/L	-	-	-	-	-
Metals						
Aluminum (Dissolved)	mg/L	-	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-105-98***	***MW-105-98***	***MW-105-98***	***MW-106-98***	***MW-106-98***
Sample ID:		***W-12609-020900-DEN-01***	***W-12609-041800-KMV-804***	***W-12609-041800-KMV-805***	***W-12609-020900-DEN-02***	***W-12609-041800-KMV-800***
Sample Date:		***2/9/2000***	***4/18/2000***	***4/18/2000***	***2/9/2000***	***4/18/2000***
Parameter	***Unit***					
Cadmium (Dissolved)	mg/L	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-
Iron	mg/L	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-
Lead	mg/L	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-
Silver	mg/L	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-
General Chemistry						
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-
Cyanide (total)	mg/L	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-106-98*	*MW-106-98*	*MW-112-99*	*MW-112-99*	*MW-112-99*
Sample ID:		*W-12609-041800-KMV-801*	*W-12609-041800-KMV-802*	*W-12609-091499-DN-08*	*W-12609-041800-KMV-809*	*W-12609-041800-KMV-810*
Sample Date:		*4/18/2000*	*4/18/2000*	*9/14/1999*	*4/18/2000*	*4/18/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	ND (1.0)	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (1.0)	-	-
1,1,2-Trichloroethane	ug/L	-	-	ND (1.0)	-	-
1,1-Dichloroethane	ug/L	-	-	1.4	-	-
1,1-Dichloroethene	ug/L	-	-	ND (1.0)	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	ND (1.0)	-	-
1,2-Dichloroethene (total)	ug/L	-	-	ND (1.0)	-	-
1,2-Dichloropropane	ug/L	-	-	ND (1.0)	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2-Butanone	ug/L	-	-	28	-	-
2-Hexanone	ug/L	-	-	ND (10)	-	-
4-Methyl-2-pentanone	ug/L	-	-	ND (10)	-	-
Acetone	ug/L	-	-	11	-	-
Benzene	ug/L	-	-	0.16 J	-	-
Bromodichloromethane	ug/L	-	-	ND (1.0)	-	-
Bromoform	ug/L	-	-	ND (1.0)	-	-
Bromomethane	ug/L	-	-	ND (2.0)	-	-
Carbon disulfide	ug/L	-	-	ND (1.0) U	-	-
Carbon tetrachloride	ug/L	-	-	ND (1.0)	-	-
Chlorobenzene	ug/L	-	-	ND (1.0)	-	-
Chloroethane	ug/L	-	-	ND (2.0)	-	-
Chloroform	ug/L	-	-	ND (1.0)	-	-
Chloromethane	ug/L	-	-	ND (2.0)	-	-
cis-1,2-Dichloroethene	ug/L	-	-	ND (1.0)	-	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (1.0)	-	-
Dibromochloromethane	ug/L	-	-	ND (1.0)	-	-
Ethylbenzene	ug/L	-	-	ND (1.0)	-	-
Methylene chloride	ug/L	-	-	ND (1.0) U	-	-
Styrene	ug/L	-	-	ND (1.0)	-	-
Tetrachloroethene	ug/L	-	-	ND (1.0)	-	-
Toluene	ug/L	-	-	ND (1.0)	-	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (1.0)	-	-
Trichloroethene	ug/L	-	-	ND (1.0)	-	-
Vinyl chloride	ug/L	-	-	ND (2.0)	-	-
Xylene (total)	ug/L	-	-	ND (1.0)	-	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-106-98*	*MW-106-98*	*MW-112-99*	*MW-112-99*	*MW-112-99*
Sample ID:		*W-12609-041800-KMV-801*	*W-12609-041800-KMV-802*	*W-12609-091499-DN-08*	*W-12609-041800-KMV-809*	*W-12609-041800-KMV-810*
Sample Date:		*4/18/2000*	*4/18/2000*	*9/14/1999*	*4/18/2000*	*4/18/2000*
Parameter	***Unit***					
2,6-Dinitrotoluene	ug/L	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-
4-Methylphenol	ug/L	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-
Chlordane	ug/L	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-106-98***	***MW-106-98***	***MW-112-99***	***MW-112-99***	***MW-112-99***
Sample ID:		***W-12609-041800-KMV-801***	***W-12609-041800-KMV-802***	***W-12609-091499-DN-08***	***W-12609-041800-KMV-809***	***W-12609-041800-KMV-810***
Sample Date:		***4/18/2000***	***4/18/2000***	***9/14/1999***	***4/18/2000***	***4/18/2000***
Parameter	***Unit***					
Pentachlorophenol	ug/L	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-
PCBs						
Aroclor 1016, dissolved	ug/L	-	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-	-
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	-	3.6	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	-	ND (1.0)	ND (1.0)
Pesticides						
4,4-DDD	ug/L	-	-	-	-	-
4,4-DDE	ug/L	-	-	-	-	-
4,4-DDT	ug/L	-	-	-	-	-
Aldrin	ug/L	-	-	-	-	-
alpha-BHC	ug/L	-	-	-	-	-
alpha-Chlordane	ug/L	-	-	-	-	-
beta-BHC	ug/L	-	-	-	-	-
delta-BHC	ug/L	-	-	-	-	-
Dieldrin	ug/L	-	-	-	-	-
Endosulfan I	ug/L	-	-	-	-	-
Endosulfan II	ug/L	-	-	-	-	-
Endosulfan sulfate	ug/L	-	-	-	-	-
Endrin aldehyde	ug/L	-	-	-	-	-
Endrin ketone	ug/L	-	-	-	-	-
Endrin	ug/L	-	-	-	-	-
gamma-BHC (Lindane)	ug/L	-	-	-	-	-
gamma-Chlordane	ug/L	-	-	-	-	-
Heptachlor epoxide	ug/L	-	-	-	-	-
Heptachlor	ug/L	-	-	-	-	-
Methoxychlor	ug/L	-	-	-	-	-
Toxaphene	ug/L	-	-	-	-	-
Metals						
Aluminum (Dissolved)	mg/L	-	-	-	-	-
Antimony (Dissolved)	mg/L	-	-	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-	-
Beryllium (Dissolved)	mg/L	-	-	-	-	-

TABLE C.2.2

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-106-98***	***MW-106-98***	***MW-112-99***	***MW-112-99***	***MW-112-99***
Sample ID:		***W-12609-041800-KMV-801***	***W-12609-041800-KMV-802***	***W-12609-091499-DN-08***	***W-12609-041800-KMV-809***	***W-12609-041800-KMV-810***
Sample Date:		***4/18/2000***	***4/18/2000***	***9/14/1999***	***4/18/2000***	***4/18/2000***
Parameter	***Unit***					
Cadmium (Dissolved)	mg/L	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-	-
Cobalt (Dissolved)	mg/L	-	-	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-
Iron	mg/L	-	-	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-
Lead	mg/L	-	-	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-
Nickel (Dissolved)	mg/L	-	-	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-
Selenium (Dissolved)	mg/L	-	-	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-
Silver	mg/L	-	-	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-
Thallium (Dissolved)	mg/L	-	-	-	-	-
Vanadium (Dissolved)	mg/L	-	-	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-
General Chemistry						
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	0.51	-	-
Cyanide (total)	mg/L	-	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed

SECTION 3

EXISTING STORMWATER POND

TABLE C.3.1

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

		BH-140-98	BH-140-98	BH-141-98	BH-141-98	BH-142-98
Sample ID:		***S-10236-060398-TJ-054A***	***S-10236-060398-TJ-054B***	***S-10236-060398-TJ-055A***	***S-10236-060398-TJ-055B***	***S-10236-060398-TJ-056A***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	1200	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	1200	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-142-98*	*BH-142-98*	*BH-143-98*	*BH-143-98*	*BH-144-98*
Sample ID:		*S-10236-060398-TJ-056B*	*S-10236-060398-TJ-056E*	*S-10236-060398-TJ-057A*	*S-10236-060398-TJ-057B*	*S-10236-060398-TJ-058A*
Sample Depth:		*(3-6)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
			Duplicate			
Parameter	***Unit***					
Semi - Volatiles						
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-144-98***	***BH-145-98***	***BH-145-98***	***BH-146-98***	***BH-147-98***
Sample ID:		***S-10236-060398-TJ-058B***	***S-10236-060398-TJ-059A***	***S-10236-060398-TJ-059B***	***S-10236-060398-TJ-060A***	***S-10236-060398-TJ-061A***
Sample Depth:		***(3-6)***	***(0-3)***	***(3-6)***	***(0-4)***	***(0-3)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-147-98***	***BH-147-98***	***BH-148-98***	***BH-148-98***	***BH-148-98***
Sample ID:		***S-10236-060398-TJ-061B***	***S-10236-060398-TJ-061C***	***S-10236-060398-TJ-062A***	***S-10236-060398-TJ-062B***	***S-10236-060398-TJ-062E***
Sample Depth:		***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***	***(6-9)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Semi - Volatiles						
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	7100	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (1700)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	7100	ND (330)	ND (330)	ND (330)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.3.1

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-153-99*	*BH-153-99*	*MW-107-99*	*MW-108-99*	*MW-109-99*	*MW-109-99*
Sample ID:		*S-12609-081899-DN-16*	*S-12609-081899-DN-17*	*S-12609-MW-107-99*	*S-12609-MW-108-99*	*S-12609-MW-109-99*	*S-12609-MW-109-99*
Sample Depth:		*(4-6)*	*(8-10)*	*(6-8)*	*(8-10)*	*(9-10)*	*(14-15)*
Sample Date:		*8/18/1999*	*8/18/1999*	*8/11/1999*	*8/11/1999*	*8/12/1999*	*8/12/1999*
Parameter	***Unit***						
Semi - Volatiles							
1-Methyl naphthalene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
2-Methyl naphthalene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Acenaphthene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Acenaphthylene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Anthracene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Benzo(a)anthracene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Benzo(a)pyrene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Benzo(b)fluoranthene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Benzo(g,h,i)perylene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Benzo(k)fluoranthene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Chrysene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Dibenz(a,h)anthracene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Fluoranthene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	43 J	ND (400)
Fluorene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Naphthalene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Phenanthrene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
Pyrene	ug/Kg	ND (340)	ND (430)	ND (420)	ND (410)	ND (390)	ND (400)
PCBs							
Aroclor-1016	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1221	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1232	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1242	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1248	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1254	ug/Kg	ND (34)	ND (43)	-	-	-	-
Aroclor-1260	ug/Kg	ND (34)	ND (43)	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10)	ND (13)	ND (13)	ND (13)	ND (12)	56

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.3.2

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Sample ID:		*MW-107-99* *W-12609-041800-KMV-813*	*MW-107-99* *W-12609-041800-KMV-814*	*MW-107-99* *W-12609-090899-DN-01*	*MW-108-99* *W-12609-041800-KMV-811*	*MW-108-99* *W-12609-041800-KMV-812*
Sample Date:		*4/18/2000*	*4/18/2000*	*9/8/1999*	*4/18/2000*	*4/18/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	ND (1.0)	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (1.0)	-	-
1,1,2-Trichloroethane	ug/L	-	-	ND (1.0)	-	-
1,1-Dichloroethane	ug/L	-	-	ND (1.0)	-	-
1,1-Dichloroethene	ug/L	-	-	ND (1.0)	-	-
1,2-Dichloroethane	ug/L	-	-	ND (1.0)	-	-
1,2-Dichloroethene (total)	ug/L	-	-	ND (1.0)	-	-
1,2-Dichloropropane	ug/L	-	-	ND (1.0)	-	-
2-Butanone	ug/L	-	-	ND (10)	-	-
2-Hexanone	ug/L	-	-	ND (10)	-	-
4-Methyl-2-pentanone	ug/L	-	-	ND (10)	-	-
Acetone	ug/L	-	-	ND (10)	-	-
Benzene	ug/L	-	-	ND (1.0)	-	-
Bromodichloromethane	ug/L	-	-	ND (1.0)	-	-
Bromoform	ug/L	-	-	ND (1.0)	-	-
Bromomethane	ug/L	-	-	ND (2.0)	-	-
Carbon disulfide	ug/L	-	-	ND (1.0)	-	-
Carbon tetrachloride	ug/L	-	-	ND (1.0)	-	-
Chlorobenzene	ug/L	-	-	ND (1.0)	-	-
Chloroethane	ug/L	-	-	ND (2.0)	-	-
Chloroform	ug/L	-	-	ND (1.0)	-	-
Chloromethane	ug/L	-	-	ND (2.0)	-	-
cis-1,2-Dichloroethene	ug/L	-	-	ND (1.0)	-	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (1.0)	-	-
Dibromochloromethane	ug/L	-	-	ND (1.0)	-	-
Ethylbenzene	ug/L	-	-	ND (1.0)	-	-
Methylene chloride	ug/L	-	-	ND (1.0)	-	-
Styrene	ug/L	-	-	ND (1.0)	-	-
Tetrachloroethene	ug/L	-	-	ND (1.0)	-	-
Toluene	ug/L	-	-	ND (1.0)	-	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (1.0)	-	-
Trichloroethene	ug/L	-	-	ND (1.0)	-	-
Vinyl chloride	ug/L	-	-	ND (2.0)	-	-
Xylene (total)	ug/L	-	-	ND (1.0)	-	-
Semi - Volatiles						
1-Methyl naphthalene	ug/L	-	-	ND (10)	-	-
2-Methyl naphthalene	ug/L	-	-	ND (10)	-	-
Acenaphthene	ug/L	-	-	ND (10)	-	-
Acenaphthylene	ug/L	-	-	ND (10)	-	-
Anthracene	ug/L	-	-	ND (10)	-	-
Benzo(a)anthracene	ug/L	-	-	ND (10)	-	-
Benzo(a)pyrene	ug/L	-	-	ND (10)	-	-
Benzo(b)fluoranthene	ug/L	-	-	ND (10)	-	-
Benzo(g,h,i)perylene	ug/L	-	-	ND (10)	-	-
Benzo(k)fluoranthene	ug/L	-	-	ND (10)	-	-
Chrysene	ug/L	-	-	ND (10)	-	-
Dibenz(a,h)anthracene	ug/L	-	-	ND (10)	-	-
Fluoranthene	ug/L	-	-	ND (10)	-	-
Fluorene	ug/L	-	-	ND (10)	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	ND (10)	-	-
Naphthalene	ug/L	-	-	ND (10)	-	-
Phenanthrene	ug/L	-	-	ND (10)	-	-

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-107-99*	*MW-107-99*	*MW-107-99*	*MW-108-99*	*MW-108-99*
Sample ID:		*W-12609-041800-KMV-813*	*W-12609-041800-KMV-814*	*W-12609-090899-DN-01*	*W-12609-041800-KMV-811*	*W-12609-041800-KMV-812*
Sample Date:		*4/18/2000*	*4/18/2000*	*9/8/1999*	*4/18/2000*	*4/18/2000*
Parameter	***Unit***					
Pyrene	ug/L	-	-	ND (10)	-	-
PCBs						
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Metals						
Potassium	mg/L	-	-	ND (5.0)	-	-
Sodium	mg/L	-	-	24.7	-	-
General Chemistry						
Biochemical Oxygen Demand (BOD)	mg/L	-	-	ND (2)	-	-
Biochemical oxygen demand, dissolved	mg/L	-	-	ND (2)	-	-
Carbonate Alkalinity	mg/L	-	-	ND (5.0)	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	28	-	-
Chemical oxygen demand, dissolved	mg/L	-	-	31	-	-
Chloride	mg/L	-	-	38.4	-	-
Hardness	mg/L	-	-	138	-	-
Nitrate (as N)	mg/L	-	-	0.67	-	-
Nitrite (as N)	mg/L	-	-	ND (0.50)	-	-
Orthophosphate	mg/L	-	-	ND (0.5)	-	-
Sulfate	mg/L	-	-	52.8	-	-
Total Dissolved Solids (TDS)	mg/L	-	-	250	-	-
Total Suspended Solids (TSS)	mg/L	-	-	ND (4.0)	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	ND (1)	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-108-99***	***MW-109-99***	***MW-109-99***	***MW-109-99***
Sample ID:		***W-12609-090899-DN-02***	***W-12609-041800-KMV-822***	***W-12609-041800-KMV-823***	***W-12609-090899-DN-03***
Sample Date:		***9/8/1999***	***4/18/2000***	***4/18/2000***	***9/8/1999***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-
2-Butanone	ug/L	-	-	-	-
2-Hexanone	ug/L	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-
Acetone	ug/L	-	-	-	-
Benzene	ug/L	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-
Bromoform	ug/L	-	-	-	-
Bromomethane	ug/L	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-
Chloroethane	ug/L	-	-	-	-
Chloroform	ug/L	-	-	-	-
Chloromethane	ug/L	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
Methylene chloride	ug/L	-	-	-	-
Styrene	ug/L	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-
Trichloroethene	ug/L	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-
Xylene (total)	ug/L	-	-	-	-
Semi - Volatiles					
1-Methyl naphthalene	ug/L	ND (10)	-	-	ND (10)
2-Methyl naphthalene	ug/L	ND (10)	-	-	ND (10)
Acenaphthene	ug/L	ND (10)	-	-	ND (10)
Acenaphthylene	ug/L	ND (10)	-	-	ND (10)
Anthracene	ug/L	ND (10)	-	-	ND (10)
Benzo(a)anthracene	ug/L	ND (10)	-	-	ND (10)
Benzo(a)pyrene	ug/L	ND (10)	-	-	ND (10)
Benzo(b)fluoranthene	ug/L	ND (10)	-	-	ND (10)
Benzo(g,h,i)perylene	ug/L	ND (10)	-	-	ND (10)
Benzo(k)fluoranthene	ug/L	ND (10)	-	-	ND (10)
Chrysene	ug/L	ND (10)	-	-	ND (10)
Dibenz(a,h)anthracene	ug/L	ND (10)	-	-	ND (10)
Fluoranthene	ug/L	ND (10)	-	-	ND (10)
Fluorene	ug/L	ND (10)	-	-	ND (10)
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	-	-	ND (10)
Naphthalene	ug/L	ND (10)	-	-	ND (10)
Phenanthrene	ug/L	ND (10)	-	-	ND (10)

TABLE C.3.2

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-108-99***	***MW-109-99***	***MW-109-99***	***MW-109-99***
Sample ID:		***W-12609-090899-DN-02***	***W-12609-041800-KMV-822***	***W-12609-041800-KMV-823***	***W-12609-090899-DN-03***
Sample Date:		***9/8/1999***	***4/18/2000***	***4/18/2000***	***9/8/1999***
Parameter	***Unit***				
Pyrene	ug/L	ND (10)	-	-	ND (10)
PCBs					
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Metals					
Potassium	mg/L	ND (5.0)	-	-	-
Sodium	mg/L	24.4	-	-	-
General Chemistry					
Biochemical Oxygen Demand (BOD)	mg/L	ND (2)	-	-	-
Biochemical oxygen demand, dissolved	mg/L	ND (2)	-	-	-
Carbonate Alkalinity	mg/L	ND (5.0)	-	-	-
Chemical Oxygen Demand (COD)	mg/L	23	-	-	-
Chemical oxygen demand, dissolved	mg/L	31	-	-	-
Chloride	mg/L	37.1	-	-	-
Hardness	mg/L	134	-	-	-
Nitrate (as N)	mg/L	0.78	-	-	-
Nitrite (as N)	mg/L	ND (0.50)	-	-	-
Orthophosphate	mg/L	ND (0.5)	-	-	-
Sulfate	mg/L	49.6	-	-	-
Total Dissolved Solids (TDS)	mg/L	240	-	-	-
Total Suspended Solids (TSS)	mg/L	5.0	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	ND (1)	-	-	ND (1)

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SECTION 4

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH180-00*	*BH180-00*	*BH180-00*	*BH186-00*	*BH186-00*
Sample ID:		*S-12609-041400-KMV-85*	*S-12609-041400-KMV-87*	*S-12609-041400-KMV-86*	*S-12609-041400-KMV-100*	*S-12609-041400-KMV-101*
Sample Depth:		*(0-2)*	*(2.5-4.5)*	*(4.5-6.5)*	*(0-2)*	*(5.5-7.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	ND (0.13)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	ND (0.38)	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	ND (0.22)	-	-
1,1-Dichloroethane	ug/Kg	-	-	ND (0.22)	-	-
1,1-Dichloroethene	ug/Kg	-	-	ND (0.22)	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	ND (0.81)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	ND (6.5)	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	ND (0.15)	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	ND (0.26)	-	-
1,2-Dichloroethane	ug/Kg	-	-	ND (0.26)	-	-
1,2-Dichloropropane	ug/Kg	-	-	ND (0.32)	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	ND (0.26)	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	ND (0.34)	-	-
2-Butanone	ug/Kg	-	-	ND (1.1)	-	-
2-Hexanone	ug/Kg	-	-	ND (0.76)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (0.50)	-	-
Acetone	ug/Kg	-	-	ND (22) U	-	-
Benzene, isopropyl	ug/Kg	-	-	ND (0.89)	-	-
Benzene	ug/Kg	-	-	ND (0.27)	-	-
Bromodichloromethane	ug/Kg	-	-	ND (0.23)	-	-
Bromoform	ug/Kg	-	-	ND (0.30)	-	-
Bromomethane	ug/Kg	-	-	ND (0.98)	-	-
Carbon disulfide	ug/Kg	-	-	ND (0.38)	-	-
Carbon tetrachloride	ug/Kg	-	-	ND (0.12)	-	-
Chlorobenzene	ug/Kg	-	-	ND (0.24)	-	-
Chloroethane	ug/Kg	-	-	ND (0.49)	-	-
Chloroform	ug/Kg	-	-	ND (0.27)	-	-
Chloromethane	ug/Kg	-	-	ND (0.61)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	ND (0.14)	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	ND (0.27)	-	-
Cyclohexane	ug/Kg	-	-	ND (0.30)	-	-
Dibromochloromethane	ug/Kg	-	-	ND (0.23)	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	ND (0.28)	-	-
Ethylbenzene	ug/Kg	-	-	ND (0.30)	-	-
Methyl acetate	ug/Kg	-	-	ND (0.57)	-	-
Methyl cyclohexane	ug/Kg	-	-	ND (0.31)	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	ND (0.13)	-	-
Methylene chloride	ug/Kg	-	-	0.89 J	-	-
Styrene	ug/Kg	-	-	ND (0.26)	-	-
Tetrachloroethene	ug/Kg	-	-	ND (0.22)	-	-
Toluene	ug/Kg	-	-	ND (0.27)	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	ND (0.24)	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	ND (0.12)	-	-
Trichloroethene	ug/Kg	-	-	ND (0.25)	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	ND (0.16)	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	ND (0.46)	-	-
Vinyl chloride	ug/Kg	-	-	ND (0.16)	-	-
Xylene (total)	ug/Kg	-	-	ND (0.79)	-	-
Semi-Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH180-00***	***BH180-00***	***BH180-00***	***BH186-00***	***BH186-00***
Sample ID:		***S-12609-041400-KMV-85***	***S-12609-041400-KMV-87***	***S-12609-041400-KMV-86***	***S-12609-041400-KMV-100***	***S-12609-041400-KMV-101***
Sample Depth:		***(0-2)***	***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***	***(5.5-7.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH180-00***	***BH180-00***	***BH180-00***	***BH186-00***	***BH186-00***
Sample ID:		***S-12609-041400-KMV-85***	***S-12609-041400-KMV-87***	***S-12609-041400-KMV-86***	***S-12609-041400-KMV-100***	***S-12609-041400-KMV-101***
Sample Depth:		***(0-2)***	***(2.5-4.5)***	***(4.5-6.5)***	***(0-2)***	***(5.5-7.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (16)	ND (18)	ND (20)	ND (37)	ND (40)
Aroclor-1221	ug/Kg	ND (21)	ND (23)	ND (25)	ND (37)	ND (40)
Aroclor-1232	ug/Kg	ND (22)	ND (25)	ND (26)	ND (37)	ND (40)
Aroclor-1242	ug/Kg	ND (26)	ND (29)	ND (31)	ND (37)	ND (40)
Aroclor-1248	ug/Kg	ND (8.9)	ND (10)	ND (11)	ND (37)	ND (40)
Aroclor-1254	ug/Kg	ND (22)	ND (25)	ND (26)	ND (37)	ND (40)
Aroclor-1260	ug/Kg	ND (15)	ND (17)	ND (18)	ND (37)	ND (40)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
pH Corrosivity	s.u.	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	12	ND (8.4)	ND (8.8)	100	ND (12)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH186-00*	*BH186-00*	*BH187-00*	*BH187-00*	*BH187-00*
Sample ID:		*S-12609-041400-KMV-102*	*S-12609-041400-KMV-104*	*S-12609-041700-KMV-108*	*S-12609-041700-KMV-110*	*S-12609-041700-KMV-109*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(6.5-8.5)*	*(9.5-11.5)*	*(11.5-13.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (5.8)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	ND (5.8)
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	ND (5.8)
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (5.8)
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (5.8)
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	ND (5.8)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	ND (12)
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	ND (5.8)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (5.8)
1,2-Dichloroethane	ug/Kg	-	-	-	-	ND (5.8)
1,2-Dichloropropane	ug/Kg	-	-	-	-	ND (5.8)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (5.8)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (5.8)
2-Butanone	ug/Kg	-	-	-	-	ND (23)
2-Hexanone	ug/Kg	-	-	-	-	ND (23)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (23)
Acetone	ug/Kg	-	-	-	-	ND (23) U
Benzene, isopropyl	ug/Kg	-	-	-	-	ND (5.8)
Benzene	ug/Kg	-	-	-	-	ND (5.8)
Bromodichloromethane	ug/Kg	-	-	-	-	ND (5.8)
Bromoform	ug/Kg	-	-	-	-	ND (5.8)
Bromomethane	ug/Kg	-	-	-	-	ND (12)
Carbon disulfide	ug/Kg	-	-	-	-	ND (5.8)
Carbon tetrachloride	ug/Kg	-	-	-	-	ND (5.8)
Chlorobenzene	ug/Kg	-	-	-	-	ND (5.8)
Chloroethane	ug/Kg	-	-	-	-	ND (12)
Chloroform	ug/Kg	-	-	-	-	ND (5.8)
Chloromethane	ug/Kg	-	-	-	-	ND (12)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.9)
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (5.8)
Cyclohexane	ug/Kg	-	-	-	-	ND (12)
Dibromochloromethane	ug/Kg	-	-	-	-	ND (5.8)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	ND (12)
Ethylbenzene	ug/Kg	-	-	-	-	ND (5.8)
Methyl acetate	ug/Kg	-	-	-	-	ND (12)
Methyl cyclohexane	ug/Kg	-	-	-	-	ND (12)
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	ND (23)
Methylene chloride	ug/Kg	-	-	-	-	1.3 U
Styrene	ug/Kg	-	-	-	-	ND (5.8)
Tetrachloroethene	ug/Kg	-	-	-	-	ND (5.8)
Toluene	ug/Kg	-	-	-	-	0.45 J
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.9)
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (5.8)
Trichloroethene	ug/Kg	-	-	-	-	ND (5.8)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	ND (12)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	ND (5.8)
Vinyl chloride	ug/Kg	-	-	-	-	ND (12)
Xylene (total)	ug/Kg	-	-	-	-	ND (12)
Semi-Volatiles						
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH186-00*	*BH186-00*	*BH187-00*	*BH187-00*	*BH187-00*
Sample ID:		*S-12609-041400-KMV-102*	*S-12609-041400-KMV-104*	*S-12609-041700-KMV-108*	*S-12609-041700-KMV-110*	*S-12609-041700-KMV-109*
Sample Depth:		*(3.5-5.5)*	*(5.5-7.5)*	*(6.5-8.5)*	*(9.5-11.5)*	*(11.5-13.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/17/2000*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH186-00***	***BH186-00***	***BH187-00***	***BH187-00***	***BH187-00***
Sample ID:		***S-12609-041400-KMV-102***	***S-12609-041400-KMV-104***	***S-12609-041700-KMV-108***	***S-12609-041700-KMV-110***	***S-12609-041700-KMV-109***
Sample Depth:		***(3.5-5.5)***	***(5.5-7.5)***	***(6.5-8.5)***	***(9.5-11.5)***	***(11.5-13.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1221	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1232	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1242	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1248	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1254	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Aroclor-1260	ug/Kg	ND (40)	ND (41)	ND (37)	ND (41)	ND (43)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
pH Corrosivity	s.u.	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (12)	ND (12)	ND (11)	ND (12)	ND (13)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH200-00*	*BH201-00*
Sample ID:		*S-12609-041300-KMV-70*	*S-12609-041300-KMV-71*	*S-12609-041300-KMV-72*	*S-12609-041300-KMV-73*	*S-12609-041300-KMV-74*	*S-12609-041400-KMV-75*	*S-12609-041300-KMV-59*
Sample Depth:		*(0-4)*	*(4-8)*	*(8-12)*	*(12-16)*	*(16-20)*	*(0-3)*	*(0-3)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,1,2-Trichloroethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,1-Dichloroethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,1-Dichloroethene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,2,4-Trichlorobenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,2-Dichlorobenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,2-Dichloroethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,2-Dichloropropane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,3-Dichlorobenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
1,4-Dichlorobenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
2-Butanone	ug/Kg	-	ND (19)	-	-	-	-	ND (20)
2-Hexanone	ug/Kg	-	ND (19)	-	-	-	-	ND (20)
4-Methyl-2-pentanone	ug/Kg	-	1.5 J	-	-	-	-	ND (20)
Acetone	ug/Kg	-	ND (19) U	-	-	-	-	ND (20) U
Benzene, isopropyl	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Benzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Bromodichloromethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Bromoform	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Bromomethane	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Carbon disulfide	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Carbon tetrachloride	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Chlorobenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Chloroethane	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Chloroform	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Chloromethane	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.4)	-	-	-	-	ND (2.6)
cis-1,3-Dichloropropene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Cyclohexane	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Dibromochloromethane	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Ethylbenzene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Methyl acetate	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Methyl cyclohexane	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Methyl Tert Butyl Ether	ug/Kg	-	ND (19)	-	-	-	-	ND (20)
Methylene chloride	ug/Kg	-	ND (4.8) U	-	-	-	-	1.2 J
Styrene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Tetrachloroethene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Toluene	ug/Kg	-	0.75 J	-	-	-	-	0.53 J
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.4)	-	-	-	-	ND (2.6)
trans-1,3-Dichloropropene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Trichloroethene	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (4.8)	-	-	-	-	ND (5.1)
Vinyl chloride	ug/Kg	-	ND (9.5)	-	-	-	-	ND (10)
Xylene (total)	ug/Kg	-	1.6 J	-	-	-	-	0.77 J
Semi-Volatiles								
2,4,5-Trichlorophenol	ug/Kg	-	-	ND (390)	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	ND (390)	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	ND (390)	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	ND (390)	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	ND (1900)	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH200-00*	*BH201-00*
Sample ID:		*S-12609-041300-KMV-70*	*S-12609-041300-KMV-71*	*S-12609-041300-KMV-72*	*S-12609-041300-KMV-73*	*S-12609-041300-KMV-74*	*S-12609-041400-KMV-75*	*S-12609-041300-KMV-59*
Sample Depth:		*(0-4)*	*(4-8)*	*(8-12)*	*(12-16)*	*(16-20)*	*(0-3)*	*(0-3)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/13/2000*
Parameter	***Unit***							
2,4-Dinitrotoluene	ug/Kg	-	-	ND (390)	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	ND (390)	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	ND (390)	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	ND (390)	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	ND (390)	-	-	-	-
2-Methylphenol	ug/Kg	-	-	ND (390)	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	ND (1900)	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	ND (390)	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	ND (1900)	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	ND (1900)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	ND (1900)	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	ND (390)	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	ND (390)	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	ND (390)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	ND (390)	-	-	-	-
4-Methylphenol	ug/Kg	-	-	ND (390)	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	ND (1900)	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	ND (1900)	-	-	-	-
Acenaphthene	ug/Kg	-	-	ND (390)	-	-	-	-
Acenaphthylene	ug/Kg	-	-	ND (390)	-	-	-	-
Acetophenone	ug/Kg	-	-	ND (390)	-	-	-	-
Anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Atrazine	ug/Kg	-	-	ND (390)	-	-	-	-
Benzaldehyde	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	ND (390)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	ND (390)	-	-	-	-
Biphenyl	ug/Kg	-	-	ND (390)	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	ND (390)	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	ND (390)	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	ND (390)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Caprolactam	ug/Kg	-	-	ND (390)	-	-	-	-
Carbazole	ug/Kg	-	-	ND (390)	-	-	-	-
Chrysene	ug/Kg	-	-	44 J	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	ND (390)	-	-	-	-
Dibenzofuran	ug/Kg	-	-	ND (390)	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	ND (390)	-	-	-	-
Fluoranthene	ug/Kg	-	-	78 J	-	-	-	-
Fluorene	ug/Kg	-	-	ND (390)	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	ND (390)	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	ND (390)	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	ND (1900)	-	-	-	-
Hexachloroethane	ug/Kg	-	-	ND (390)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	ND (390)	-	-	-	-
Isophorone	ug/Kg	-	-	ND (390)	-	-	-	-
Naphthalene	ug/Kg	-	-	ND (390)	-	-	-	-
Nitrobenzene	ug/Kg	-	-	ND (390)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	ND (390)	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	ND (390)	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	ND (390)	-	-	-	-
Phenanthrene	ug/Kg	-	-	ND (390)	-	-	-	-
Phenol	ug/Kg	-	-	ND (390)	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH199-00*	*BH200-00*	*BH201-00*
Sample ID:		*S-12609-041300-KMV-70*	*S-12609-041300-KMV-71*	*S-12609-041300-KMV-72*	*S-12609-041300-KMV-73*	*S-12609-041300-KMV-74*	*S-12609-041400-KMV-75*	*S-12609-041300-KMV-59*
Sample Depth:		*(0-4)*	*(4-8)*	*(8-12)*	*(12-16)*	*(16-20)*	*(0-3)*	*(0-3)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/13/2000*
Parameter	***Unit***							
Pyrene	ug/Kg	-	-	70 J	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (39)	ND (40)
Aroclor-1221	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (49)	ND (40)
Aroclor-1232	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (52)	ND (40)
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (62)	ND (40)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (21)	ND (40)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	780	ND (40)
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (39)	ND (36)	ND (200)	ND (36)	ND (40)
Metals								
Aluminum	mg/Kg	-	-	4250	-	-	-	-
Antimony	mg/Kg	-	-	ND (7.1)	-	-	-	-
Arsenic	mg/Kg	-	-	3.2	-	-	-	-
Barium	mg/Kg	-	-	ND (23.8)	-	-	-	-
Beryllium	mg/Kg	-	-	ND (0.59)	-	-	-	-
Cadmium	mg/Kg	-	-	ND (0.59)	-	-	-	-
Calcium	mg/Kg	-	-	4970	-	-	-	-
Chromium	mg/Kg	-	-	7.5	-	-	-	-
Cobalt	mg/Kg	-	-	ND (5.9)	-	-	-	-
Copper	mg/Kg	-	-	5.4	-	-	-	-
Iron	mg/Kg	-	-	6980	-	-	-	-
Lead	mg/Kg	-	-	4.7	-	-	-	-
Magnesium	mg/Kg	-	-	2660	-	-	-	-
Manganese	mg/Kg	-	-	73.6	-	-	-	-
Mercury	mg/Kg	-	-	ND (0.12)	-	-	-	-
Nickel	mg/Kg	-	-	6.6	-	-	-	-
Potassium	mg/Kg	-	-	ND (594)	-	-	-	-
Selenium	mg/Kg	-	-	ND (0.59)	-	-	-	-
Silver	mg/Kg	-	-	ND (1.2)	-	-	-	-
Sodium	mg/Kg	-	-	ND (594)	-	-	-	-
Thallium	mg/Kg	-	-	ND (1.2)	-	-	-	-
Vanadium	mg/Kg	-	-	12.9	-	-	-	-
Zinc	mg/Kg	-	-	16.2	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	28	ND (12)	24	ND (11)	ND (12)	36	13

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH202-00*	*BH202-00*	*BH202-00*	*BH202-00*	*BH203-00*	*BH203-00*	*BH203-00*
Sample ID:		*S-12609-041300-KMV-46*	*S-12609-041300-KMV-47*	*S-12609-041300-KMV-61*	*S-12609-041300-KMV-48*	*S-12609-041300-KMV-54*	*S-12609-041300-KMV-55*	*S-12609-041300-KMV-56*
Sample Depth:		*(0-4)*	*(4-8)*	*(4-8)*	*(8-12)*	*(0-4)*	*(4-8)*	*(8-12)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (8.9)	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (4.4)	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (4.4)	-	-	-	-	-	-
2-Butanone	ug/Kg	ND (18) U	-	-	-	-	-	-
2-Hexanone	ug/Kg	ND (18)	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	1.4 J	-	-	-	-	-	-
Acetone	ug/Kg	54	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (4.4)	-	-	-	-	-	-
Benzene	ug/Kg	0.41 J	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
Bromoform	ug/Kg	ND (4.4)	-	-	-	-	-	-
Bromomethane	ug/Kg	ND (8.9)	-	-	-	-	-	-
Carbon disulfide	ug/Kg	ND (4.4)	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (4.4)	-	-	-	-	-	-
Chlorobenzene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Chloroethane	ug/Kg	ND (8.9)	-	-	-	-	-	-
Chloroform	ug/Kg	ND (4.4)	-	-	-	-	-	-
Chloromethane	ug/Kg	ND (8.9)	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.2)	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Cyclohexane	ug/Kg	ND (8.9)	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.4)	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (8.9)	-	-	-	-	-	-
Ethylbenzene	ug/Kg	0.36 J	-	-	-	-	-	-
Methyl acetate	ug/Kg	ND (8.9)	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (8.9)	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (18)	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (4.4) U	-	-	-	-	-	-
Styrene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Toluene	ug/Kg	1.2 J	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.2)	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Trichloroethene	ug/Kg	ND (4.4)	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (8.9)	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (4.4)	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (8.9)	-	-	-	-	-	-
Xylene (total)	ug/Kg	1.5 J	-	-	-	-	-	-
Semi-Volatiles								
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH202-00*	*BH202-00*	*BH202-00*	*BH202-00*	*BH203-00*	*BH203-00*	*BH203-00*
Sample ID:		*S-12609-041300-KMV-46*	*S-12609-041300-KMV-47*	*S-12609-041300-KMV-61*	*S-12609-041300-KMV-48*	*S-12609-041300-KMV-54*	*S-12609-041300-KMV-55*	*S-12609-041300-KMV-56*
Sample Depth:		*(0-4)*	*(4-8)*	*(4-8)*	*(8-12)*	*(0-4)*	*(4-8)*	*(8-12)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH202-00***	***BH202-00***	***BH202-00***	***BH202-00***	***BH203-00***	***BH203-00***	***BH203-00***
Sample ID:		***S-12609-041300-KMV-46***	***S-12609-041300-KMV-47***	***S-12609-041300-KMV-61***	***S-12609-041300-KMV-48***	***S-12609-041300-KMV-54***	***S-12609-041300-KMV-55***	***S-12609-041300-KMV-56***
Sample Depth:		***(0-4)***	***(4-8)***	***(4-8)***	***(8-12)***	***(0-4)***	***(4-8)***	***(8-12)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Aroclor-1221	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Aroclor-1232	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Aroclor-1242	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Aroclor-1248	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Aroclor-1254	ug/Kg	150	ND (190)	ND (39)	ND (77)	190	ND (41)	ND (190)
Aroclor-1260	ug/Kg	ND (36)	ND (190)	ND (39)	ND (77)	ND (71)	ND (41)	ND (190)
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	630	24	ND (12)	ND (12)	1400	38	190

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH203-00*	*BH203-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH203-00*
Sample ID:		*S-12609-041300-KMV-57*	*S-12609-041300-KMV-65*	*S-12609-041300-KMV-49*	*S-12609-041300-KMV-62*	*S-12609-041300-KMV-50*	*S-12609-041300-KMV-63*	*S-12609-041300-KMV-66*
Sample Depth:		*(12-14)*	*(0-4)*	*(0-4)*	*(0-4)*	*(4-8)*	*(4-8)*	*(8-12)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	1.5 J	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (9.4)	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
2-Butanone	ug/Kg	9.4 J	-	-	-	-	-	-
2-Hexanone	ug/Kg	ND (19)	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	1.0 J	-	-	-	-	-	-
Acetone	ug/Kg	47	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (4.7)	-	-	-	-	-	-
Benzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
Bromoform	ug/Kg	ND (4.7)	-	-	-	-	-	-
Bromomethane	ug/Kg	ND (9.4)	-	-	-	-	-	-
Carbon disulfide	ug/Kg	ND (4.7)	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (4.7)	-	-	-	-	-	-
Chlorobenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Chloroethane	ug/Kg	ND (9.4)	-	-	-	-	-	-
Chloroform	ug/Kg	ND (4.7)	-	-	-	-	-	-
Chloromethane	ug/Kg	ND (9.4)	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	4.0	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Cyclohexane	ug/Kg	ND (9.4)	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.7)	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (9.4)	-	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Methyl acetate	ug/Kg	ND (9.4)	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (9.4)	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (19)	-	-	-	-	-	-
Methylene chloride	ug/Kg	0.98 J	-	-	-	-	-	-
Styrene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Toluene	ug/Kg	0.75 J	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.3)	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Trichloroethene	ug/Kg	ND (4.7)	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (9.4)	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (4.7)	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (9.4)	-	-	-	-	-	-
Xylene (total)	ug/Kg	1.1 J	-	-	-	-	-	-
Semi-Volatiles								
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH203-00*	*BH203-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH203-00*
Sample ID:		*S-12609-041300-KMV-57*	*S-12609-041300-KMV-65*	*S-12609-041300-KMV-49*	*S-12609-041300-KMV-62*	*S-12609-041300-KMV-50*	*S-12609-041300-KMV-63*	*S-12609-041300-KMV-66*
Sample Depth:		*(12-14)*	*(0-4)*	*(0-4)*	*(0-4)*	*(4-8)*	*(4-8)*	*(8-12)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH203-00***	***BH203-00***	***BH204-00***	***BH204-00***	***BH204-00***	***BH204-00***	***BH203-00***
Sample ID:		***S-12609-041300-KMV-57***	***S-12609-041300-KMV-65***	***S-12609-041300-KMV-49***	***S-12609-041300-KMV-62***	***S-12609-041300-KMV-50***	***S-12609-041300-KMV-63***	***S-12609-041300-KMV-66***
Sample Depth:		***(12-14)***	***(0-4)***	***(0-4)***	***(0-4)***	***(4-8)***	***(4-8)***	***(8-12)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Pyrene	ug/Kg	-	-	-	-	-	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Aroclor-1221	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Aroclor-1232	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Aroclor-1242	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Aroclor-1248	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Aroclor-1254	ug/Kg	46	54	260	340	170	ND (39)	ND (39)
Aroclor-1260	ug/Kg	ND (37)	ND (39)	ND (38)	ND (42)	ND (37)	ND (39)	ND (39)
Metals								
Aluminum	mg/Kg	-	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	91	560	280	1100	340	160	250

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH204-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH205-00*	*BH206-00*	*BH207-00*
Sample ID:		*S-12609-041300-KMV-51*	*S-12609-041300-KMV-52*	*S-12609-041300-KMV-64*	*S-12609-041300-KMV-53*	*S-12609-041300-KMV-58*	*S-12609-041300-KMV-60*	*S-12609-041300-KMV-67*
Sample Depth:		*(8-12)*	*(12-16)*	*(12-16)*	*(16-20)*	*(0-1.5)*	*(0-3)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,2-Dichloroethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
2-Butanone	ug/Kg	4.0 J	-	-	11 J	-	-	-
2-Hexanone	ug/Kg	ND (19)	-	-	ND (19)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (19)	-	-	2.1 J	-	-	-
Acetone	ug/Kg	ND (19) U	-	-	50	-	-	-
Benzene, isopropyl	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Benzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Bromodichloromethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Bromoform	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Bromomethane	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Carbon disulfide	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Carbon tetrachloride	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Chlorobenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Chloroethane	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Chloroform	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Chloromethane	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.4)	-	-	ND (2.4)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Cyclohexane	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Dibromochloromethane	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Ethylbenzene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Methyl acetate	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Methyl cyclohexane	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (19)	-	-	ND (19)	-	-	-
Methylene chloride	ug/Kg	0.83 J	-	-	0.53 J	-	-	-
Styrene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Tetrachloroethene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Toluene	ug/Kg	0.79 J	-	-	0.51 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.4)	-	-	ND (2.4)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Trichloroethene	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (4.7)	-	-	ND (4.9)	-	-	-
Vinyl chloride	ug/Kg	ND (9.5)	-	-	ND (9.7)	-	-	-
Xylene (total)	ug/Kg	1.0 J	-	-	1.7 J	-	-	-
Semi-Volatiles								
2,4,5-Trichlorophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2,4-Dichlorophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2,4-Dimethylphenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2,4-Dinitrophenol	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		*BH204-00*	*BH204-00*	*BH204-00*	*BH204-00*	*BH205-00*	*BH206-00*	*BH207-00*
Sample ID:		*S-12609-041300-KMV-51*	*S-12609-041300-KMV-52*	*S-12609-041300-KMV-64*	*S-12609-041300-KMV-53*	*S-12609-041300-KMV-58*	*S-12609-041300-KMV-60*	*S-12609-041300-KMV-67*
Sample Depth:		*(8-12)*	*(12-16)*	*(12-16)*	*(16-20)*	*(0-1.5)*	*(0-3)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***							
2,4-Dinitrotoluene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2,6-Dinitrotoluene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2-Chloronaphthalene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2-Chlorophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2-Methyl naphthalene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2-Methylphenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
2-Nitroaniline	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
2-Nitrophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
3-Nitroaniline	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
4-Chloroaniline	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
4-Methylphenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
4-Nitroaniline	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
4-Nitrophenol	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
Acenaphthene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Acenaphthylene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Acetophenone	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Anthracene	ug/Kg	ND (380)	-	-	-	67 J	-	-
Atrazine	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Benzaldehyde	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Benzo(a)anthracene	ug/Kg	88 J	-	-	-	370 J	-	-
Benzo(a)pyrene	ug/Kg	95 J	-	-	-	380 J	-	-
Benzo(b)fluoranthene	ug/Kg	120 J	-	-	-	590	-	-
Benzo(g,h,i)perylene	ug/Kg	73 J	-	-	-	310 J	-	-
Benzo(k)fluoranthene	ug/Kg	46 J	-	-	-	190 J	-	-
Biphenyl	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (380)	-	-	-	52 J	-	-
Butyl benzylphthalate	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Caprolactam	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Carbazole	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Chrysene	ug/Kg	94 J	-	-	-	420	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (380)	-	-	-	66 J	-	-
Dibenzofuran	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Diethyl phthalate	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Dimethyl phthalate	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Di-n-butylphthalate	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Di-n-octyl phthalate	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Fluoranthene	ug/Kg	190 J	-	-	-	830	-	-
Fluorene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Hexachlorobenzene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Hexachlorobutadiene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (1800)	-	-	-	ND (1900)	-	-
Hexachloroethane	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	71 J	-	-	-	320 J	-	-
Isophorone	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Naphthalene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Nitrobenzene	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Pentachlorophenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-
Phenanthrene	ug/Kg	100 J	-	-	-	370 J	-	-
Phenol	ug/Kg	ND (380)	-	-	-	ND (390)	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH204-00***	***BH204-00***	***BH204-00***	***BH204-00***	***BH205-00***	***BH206-00***	***BH207-00***
Sample ID:		***S-12609-041300-KMV-51***	***S-12609-041300-KMV-52***	***S-12609-041300-KMV-64***	***S-12609-041300-KMV-53***	***S-12609-041300-KMV-58***	***S-12609-041300-KMV-60***	***S-12609-041300-KMV-67***
Sample Depth:		***(8-12)***	***(12-16)***	***(12-16)***	***(16-20)***	***(0-1.5)***	***(0-3)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***							
Pyrene	ug/Kg	170 J	-	-	-	750	-	-
PCBs								
Aroclor-1016	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1221	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1232	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Aroclor-1254	ug/Kg	50	46	ND (36)	ND (37)	ND (39)	79	320
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (36)	ND (37)	ND (39)	ND (37)	ND (36)
Metals								
Aluminum	mg/Kg	8310	-	-	-	6350	-	-
Antimony	mg/Kg	ND (6.9) UJ	-	-	-	ND (7.0) UJ	-	-
Arsenic	mg/Kg	5.9 J	-	-	-	3.5 J	-	-
Barium	mg/Kg	54.1 J	-	-	-	45.2 J	-	-
Beryllium	mg/Kg	ND (0.58)	-	-	-	ND (0.59)	-	-
Cadmium	mg/Kg	ND (0.58) UJ	-	-	-	ND (0.59) UJ	-	-
Calcium	mg/Kg	35600	-	-	-	40200	-	-
Chromium	mg/Kg	13.5	-	-	-	10.1	-	-
Cobalt	mg/Kg	6.6 J	-	-	-	ND (5.9) UJ	-	-
Copper	mg/Kg	14.6	-	-	-	30.6	-	-
Iron	mg/Kg	15000	-	-	-	8550	-	-
Lead	mg/Kg	7.9 J	-	-	-	16.4 J	-	-
Magnesium	mg/Kg	14200	-	-	-	17600	-	-
Manganese	mg/Kg	301 J	-	-	-	141 J	-	-
Mercury	mg/Kg	ND (0.12)	-	-	-	ND (0.12)	-	-
Nickel	mg/Kg	16.7 J	-	-	-	9.3 J	-	-
Potassium	mg/Kg	1620	-	-	-	758	-	-
Selenium	mg/Kg	0.58 J	-	-	-	ND (0.59) UJ	-	-
Silver	mg/Kg	ND (1.2)	-	-	-	ND (1.2)	-	-
Sodium	mg/Kg	ND (577)	-	-	-	ND (587)	-	-
Thallium	mg/Kg	ND (1.2) UJ	-	-	-	ND (1.2) UJ	-	-
Vanadium	mg/Kg	20.5	-	-	-	13.8	-	-
Zinc	mg/Kg	40.9	-	-	-	55.6	-	-
General Chemistry								
pH Corrosivity	s.u.	-	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	100	89	51	11	40	91	80

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH207-00*	*BH207-00*	*BH217-00*	*BH218-00*	*BH219-00*	*BH233-00*
Sample ID:		*S-12609-041300-KMV-68*	*S-12609-041300-KMV-69*	*S-12609-060200-DEN-022*	*S-12609-060200-DEN-021*	*S-12609-060200-DEN-023*	*S-12609-060100-DEN-01*
Sample Depth:		*(4-8)*	*(8-10)*	*(0-12)*	*(0-20)*	*(0-20)*	
Sample Date:		*4/13/2000*	*4/13/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/1/2000*
Parameter	***Unit***						
Volatiles							
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi-Volatiles							
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH207-00*	*BH207-00*	*BH217-00*	*BH218-00*	*BH219-00*	*BH233-00*
Sample ID:		*S-12609-041300-KMV-68*	*S-12609-041300-KMV-69*	*S-12609-060200-DEN-022*	*S-12609-060200-DEN-021*	*S-12609-060200-DEN-023*	*S-12609-060100-DEN-01*
Sample Depth:		*(4-8)*	*(8-10)*	*(0-12)*	*(0-20)*	*(0-20)*	
Sample Date:		*4/13/2000*	*4/13/2000*	*6/2/2000*	*6/2/2000*	*6/2/2000*	*6/1/2000*
Parameter	***Unit***						
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-	-

TABLE C.4.1

SUMMARY OF ANALYTICAL RESULTS

NORTHERN FILL SOIL PILE, MISCELLANEOUS FILL SOIL PILES, AND TPH PILE

SOIL SAMPLES

TOLEDO, OHIO

Location:		***BH207-00***	***BH207-00***	***BH217-00***	***BH218-00***	***BH219-00***	***BH233-00***
Sample ID:		***S-12609-041300-KMV-68***	***S-12609-041300-KMV-69***	***S-12609-060200-DEN-022***	***S-12609-060200-DEN-021***	***S-12609-060200-DEN-023***	***S-12609-060100-DEN-01***
Sample Depth:		***(4-8)***	***(8-10)***	***(0-12)***	***(0-20)***	***(0-20)***	
Sample Date:		***4/13/2000***	***4/13/2000***	***6/2/2000***	***6/2/2000***	***6/2/2000***	***6/1/2000***
Parameter	***Unit***						
Pyrene	ug/Kg	-	-	-	-	-	-
PCBs							
Aroclor-1016	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Aroclor-1221	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Aroclor-1232	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Aroclor-1242	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Aroclor-1248	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	670
Aroclor-1254	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Aroclor-1260	ug/Kg	ND (38)	ND (36)	ND (40)	ND (36)	ND (41)	ND (190)
Metals							
Aluminum	mg/Kg	-	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
pH Corrosivity	s.u.	-	-	7.8	9.5	7.8	8.3
Total Recoverable Petroleum Hydrocarbons	mg/Kg	14	67	-	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

SECTION 5

FORMER STORMWATER POND

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

		BH-109-98	*BH-116-98*	*BH-117-98*	*BH-117-98*	*BH-118-98*
Sample ID:		***S-10236-011398-FCE-015***	***S-10236-011398-FCE-016***	***S-10236-030598-FCE-026***	***S-10236-030598-FCE-027***	***S-10236-030598-FCE-028***
Sample Depth:		***(8-9.5)***	***(4-9)***	***(3.8-4)***	***(7-8)***	***(8-9.5)***
Sample Date:		***1/13/1998***	***1/13/1998***	***3/5/1998***	***3/5/1998***	***3/5/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	-	-	-
2-Hexanone	ug/Kg	ND (100)	ND (100)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	-	-	-
Acetone	ug/Kg	ND (100)	220	-	-	-
Benzene	ug/Kg	ND (10)	ND (10)	-	-	-
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	-	-	-
Bromoform	ug/Kg	ND (10)	ND (10)	-	-	-
Bromomethane	ug/Kg	ND (10)	ND (10)	-	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	-	-	-
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	-	-	-
Chlorobenzene	ug/Kg	ND (10)	ND (10)	-	-	-
Chloroethane	ug/Kg	ND (10)	ND (10)	-	-	-
Chloroform	ug/Kg	ND (10)	ND (10)	-	-	-
Chloromethane	ug/Kg	ND (10)	ND (10)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	-	-	-
Ethylbenzene	ug/Kg	ND (10)	ND (10)	-	-	-
Methylene chloride	ug/Kg	ND (10)	ND (10)	-	-	-
Styrene	ug/Kg	ND (10)	ND (10)	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	-	-	-
Toluene	ug/Kg	ND (10)	ND (10)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	-	-	-
Trichloroethene	ug/Kg	ND (10)	ND (10)	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (10)	-	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	-	-	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (800)	ND (6800)	-	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (330)	ND (2700)	-	-	-
2,4-Dichlorophenol	ug/Kg	ND (330)	ND (2700)	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (330)	ND (2700)	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (800)	ND (6800)	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (330) UJ	ND (2700) UJ	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (330)	ND (2700)	-	-	-
2-Chloronaphthalene	ug/Kg	ND (330)	ND (2700)	-	-	-
2-Chlorophenol	ug/Kg	ND (330)	ND (2700)	-	-	-
2-Methyl naphthalene	ug/Kg	ND (330)	ND (2700)	-	-	-

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-109-98*	*BH-110-98*	*BH-117-98*	*BH-117-98*	*BH-118-98*
Sample ID:		*S-10236-011398-FCE-015*	*S-10236-011398-FCE-016*	*S-10236-030598-FCE-026*	*S-10236-030598-FCE-027*	*S-10236-030598-FCE-028*
Sample Depth:		*(8-9.5)*	*(4-9)*	*(3.8-4)*	*(7-8)*	*(8-9.5)*
Sample Date:		*1/13/1998*	*1/13/1998*	*3/5/1998*	*3/5/1998*	*3/5/1998*
Parameter	***Unit***					
2-Methylphenol	ug/Kg	ND (330)	ND (2700)	-	-	-
2-Nitroaniline	ug/Kg	ND (800)	ND (6800)	-	-	-
2-Nitrophenol	ug/Kg	ND (330)	ND (2700)	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (330)	ND (2700)	-	-	-
3-Nitroaniline	ug/Kg	ND (800)	ND (6800)	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (800)	ND (6800)	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (330)	ND (2700)	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (330)	ND (2700)	-	-	-
4-Chloroaniline	ug/Kg	ND (330)	ND (2700)	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (330)	ND (2700)	-	-	-
4-Methylphenol	ug/Kg	ND (330)	ND (2700)	-	-	-
4-Nitroaniline	ug/Kg	ND (800)	ND (6800)	-	-	-
4-Nitrophenol	ug/Kg	ND (800)	ND (6800)	-	-	-
Acenaphthene	ug/Kg	ND (330)	ND (2700)	-	-	-
Acenaphthylene	ug/Kg	ND (330)	ND (2700)	-	-	-
Anthracene	ug/Kg	ND (330)	ND (2700)	-	-	-
Benzo(a)anthracene	ug/Kg	ND (330)	5000	-	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	4000	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (330)	6700	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (330)	ND (2700)	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	3700	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (330)	ND (2700)	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (330)	ND (2700)	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (330)	ND (2700)	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (330)	7200	-	-	-
Butyl benzylphthalate	ug/Kg	ND (330)	ND (2700)	-	-	-
Carbazole	ug/Kg	ND (330)	ND (2700)	-	-	-
Chrysene	ug/Kg	ND (330)	7200	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (330)	ND (2700)	-	-	-
Dibenzofuran	ug/Kg	ND (330)	ND (2700)	-	-	-
Diethyl phthalate	ug/Kg	ND (330)	ND (2700)	-	-	-
Dimethyl phthalate	ug/Kg	ND (330)	ND (2700)	-	-	-
Di-n-butylphthalate	ug/Kg	ND (330) UJ	ND (2700) UJ	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (330)	ND (2700)	-	-	-
Fluoranthene	ug/Kg	ND (330)	14000	-	-	-
Fluorene	ug/Kg	ND (330)	ND (2700)	-	-	-
Hexachlorobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
Hexachlorobutadiene	ug/Kg	ND (330)	ND (2700)	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (330)	ND (2700)	-	-	-
Hexachloroethane	ug/Kg	ND (330)	ND (2700)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (330)	ND (2700)	-	-	-
Isophorone	ug/Kg	ND (330)	ND (2700)	-	-	-
Naphthalene	ug/Kg	ND (330) UJ	ND (2700) UJ	-	-	-
Nitrobenzene	ug/Kg	ND (330)	ND (2700)	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (330) UJ	ND (2700) UJ	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (330)	ND (2700)	-	-	-
Pentachlorophenol	ug/Kg	ND (800)	ND (6800)	-	-	-
Phenanthrene	ug/Kg	ND (330)	9000	-	-	-
Phenol	ug/Kg	ND (330)	ND (2700)	-	-	-
Pyrene	ug/Kg	ND (330)	12000	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-109-98***	***BH-110-98***	***BH-117-98***	***BH-117-98***	***BH-118-98***
Sample ID:		***S-10236-011398-FCE-015***	***S-10236-011398-FCE-016***	***S-10236-030598-FCE-026***	***S-10236-030598-FCE-027***	***S-10236-030598-FCE-028***
Sample Depth:		***(8-9.5)***	***(4-9)***	***(3.8-4)***	***(7-8)***	***(8-9.5)***
Sample Date:		***1/13/1998***	***1/13/1998***	***3/5/1998***	***3/5/1998***	***3/5/1998***
Parameter	***Unit***					
Aroclor-1232	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	73000	7100	4100	4400
Aroclor-1254	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (14000)	ND (2200)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	73000	-	-	-
Metals						
Aluminum	mg/Kg	9800 J	7300 J	-	-	-
Antimony	mg/Kg	R	R	-	-	-
Arsenic	mg/Kg	3 J	5.6 J	-	-	-
Barium	mg/Kg	59	59	-	-	-
Beryllium	mg/Kg	0.52	0.34	-	-	-
Cadmium	mg/Kg	0.17 J	1.5 J	-	-	-
Calcium	mg/Kg	20000	80000	-	-	-
Chromium	mg/Kg	17	240	-	-	-
Cobalt	mg/Kg	7.4 J	4.3 J	-	-	-
Copper	mg/Kg	12 J	140 J	-	-	-
Iron	mg/Kg	20000	10000	-	-	-
Lead	mg/Kg	14	210	-	-	-
Magnesium	mg/Kg	20000	40000	-	-	-
Manganese	mg/Kg	280 J	180 J	-	-	-
Mercury	mg/Kg	ND (0.1)	ND (0.1)	-	-	-
Nickel	mg/Kg	20	27	-	-	-
Potassium	mg/Kg	1900 J	550 J	-	-	-
Selenium	mg/Kg	R	R	-	-	-
Silver	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	-	-	-
Sodium	mg/Kg	110 J	130 J	-	-	-
Thallium	mg/Kg	ND (0.5)	ND (0.5)	-	-	-
Vanadium	mg/Kg	22 J	11 J	-	-	-
Zinc	mg/Kg	57 J	530 J	-	-	-
General Chemistry						
Diesel range organics (DRO)	ug/Kg	-	370000	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-
Cyanide (total)	mg/Kg	ND (0.2)	0.49	-	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-152-99*	*BH-152-99*	*BH-154-99*	*MW-104-98*	*MW-110-99*	*MW-110-99*
Sample ID:		*S-12609-081799-DN-08*	*S-12609-081799-DN-09*	*S-12609-081999-DN-27*	*S-10236-011398-FCE-017*	*S-12609-MW-110-99*	*S-12609-MW-110-99*
Sample Depth:		*(5-6)*	*(6-7)*	*(3-4)*	*(6-7)*	*(8-9)*	*(10-11)*
Sample Date:		*8/17/1999*	*8/17/1999*	*8/19/1999*	*1/13/1998*	*8/12/1999*	*8/12/1999*
Parameter	***Unit***						
Volatiles							
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (10)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	ND (10)	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	ND (10)	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	ND (10)	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	ND (10)	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	ND (10)	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	ND (10)	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-	-
2-Butanone	ug/Kg	-	-	-	ND (100)	-	-
2-Hexanone	ug/Kg	-	-	-	ND (100)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	ND (100)	-	-
Acetone	ug/Kg	-	-	-	ND (100)	-	-
Benzene	ug/Kg	-	-	-	ND (10)	-	-
Bromodichloromethane	ug/Kg	-	-	-	ND (10)	-	-
Bromoform	ug/Kg	-	-	-	ND (10)	-	-
Bromomethane	ug/Kg	-	-	-	ND (10)	-	-
Carbon disulfide	ug/Kg	-	-	-	ND (100)	-	-
Carbon tetrachloride	ug/Kg	-	-	-	ND (10)	-	-
Chlorobenzene	ug/Kg	-	-	-	ND (10)	-	-
Chloroethane	ug/Kg	-	-	-	ND (10)	-	-
Chloroform	ug/Kg	-	-	-	ND (10)	-	-
Chloromethane	ug/Kg	-	-	-	ND (10)	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	ND (10)	-	-
Dibromochloromethane	ug/Kg	-	-	-	ND (10)	-	-
Ethylbenzene	ug/Kg	-	-	-	ND (10)	-	-
Methylene chloride	ug/Kg	-	-	-	32	-	-
Styrene	ug/Kg	-	-	-	ND (10)	-	-
Tetrachloroethene	ug/Kg	-	-	-	ND (10)	-	-
Toluene	ug/Kg	-	-	-	ND (10)	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	ND (10)	-	-
Trichloroethene	ug/Kg	-	-	-	ND (10)	-	-
Vinyl chloride	ug/Kg	-	-	-	ND (10)	-	-
Xylene (total)	ug/Kg	-	-	-	ND (30)	-	-
Semi-Volatiles							
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	ND (330)	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	-	-
1-Methyl naphthalene	ug/Kg	ND (8000)	ND (420)	-	-	ND (410)	ND (410)
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (800)	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (330)	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (330)	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (330)	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (800)	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (330) UJ	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (330)	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	ND (330)	-	-
2-Chlorophenol	ug/Kg	-	-	-	ND (330)	-	-
2-Methyl naphthalene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-152-99*	*BH-152-99*	*BH-154-99*	*MW-104-98*	*MW-110-99*	*MW-110-99*
Sample ID:		*S-12609-081799-DN-08*	*S-12609-081799-DN-09*	*S-12609-081999-DN-27*	*S-10236-011398-FCE-017*	*S-12609-MW-110-99*	*S-12609-MW-110-99*
Sample Depth:		*(5-6)*	*(6-7)*	*(3-4)*	*(6-7)*	*(8-9)*	*(10-11)*
Sample Date:		*8/17/1999*	*8/17/1999*	*8/19/1999*	*1/13/1998*	*8/12/1999*	*8/12/1999*
Parameter	***Unit***						
2-Methylphenol	ug/Kg	-	-	-	ND (330)	-	-
2-Nitroaniline	ug/Kg	-	-	-	ND (800)	-	-
2-Nitrophenol	ug/Kg	-	-	-	ND (330)	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (330)	-	-
3-Nitroaniline	ug/Kg	-	-	-	ND (800)	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (800)	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (330)	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (330)	-	-
4-Chloroaniline	ug/Kg	-	-	-	ND (330)	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (330)	-	-
4-Methylphenol	ug/Kg	-	-	-	ND (330)	-	-
4-Nitroaniline	ug/Kg	-	-	-	ND (800)	-	-
4-Nitrophenol	ug/Kg	-	-	-	ND (800)	-	-
Acenaphthene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Acenaphthylene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Anthracene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(a)anthracene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(g,h,i)perylene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (330)	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (330)	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (330)	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (330)	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	ND (330)	-	-
Carbazole	ug/Kg	-	-	-	ND (330)	-	-
Chrysene	ug/Kg	1300 J	ND (420)	-	ND (330)	ND (410)	ND (410)
Dibenz(a,h)anthracene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Dibenzofuran	ug/Kg	-	-	-	ND (330)	-	-
Diethyl phthalate	ug/Kg	-	-	-	ND (330)	-	-
Dimethyl phthalate	ug/Kg	-	-	-	ND (330)	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	ND (330) UJ	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (330)	-	-
Fluoranthene	ug/Kg	3400 J	ND (420)	-	ND (330)	ND (410)	ND (410)
Fluorene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Hexachlorobenzene	ug/Kg	-	-	-	ND (330)	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	ND (330)	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (330)	-	-
Hexachloroethane	ug/Kg	-	-	-	ND (330)	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Isophorone	ug/Kg	-	-	-	ND (330)	-	-
Naphthalene	ug/Kg	ND (8000)	ND (420)	-	ND (330) UJ	ND (410)	ND (410)
Nitrobenzene	ug/Kg	-	-	-	ND (330)	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (330) UJ	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (330)	-	-
Pentachlorophenol	ug/Kg	-	-	-	ND (800)	-	-
Phenanthrene	ug/Kg	ND (8000)	ND (420)	-	ND (330)	ND (410)	ND (410)
Phenol	ug/Kg	-	-	-	ND (330)	-	-
Pyrene	ug/Kg	2200 J	ND (420)	-	ND (330)	ND (410)	ND (410)
PCBs							
Aroclor-1016	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R
Aroclor-1221	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-152-99*	*BH-152-99*	*BH-154-99*	*MW-104-98*	*MW-110-99*	*MW-110-99*
Sample ID:		*S-12609-081799-DN-08*	*S-12609-081799-DN-09*	*S-12609-081999-DN-27*	*S-10236-011398-FCE-017*	*S-12609-MW-110-99*	*S-12609-MW-110-99*
Sample Depth:		*(5-6)*	*(6-7)*	*(3-4)*	*(6-7)*	*(8-9)*	*(10-11)*
Sample Date:		*8/17/1999*	*8/17/1999*	*8/19/1999*	*1/13/1998*	*8/12/1999*	*8/12/1999*
Parameter	***Unit***						
Aroclor-1232	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R
Aroclor-1242	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R
Aroclor-1248	ug/Kg	2600	ND (42)	110	ND (330)	R	R
Aroclor-1254	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R
Aroclor-1260	ug/Kg	ND (400)	ND (42)	ND (38)	ND (330)	R	R
Total PCBs	ug/Kg	-	-	-	ND (330)	-	-
Metals							
Aluminum	mg/Kg	-	-	-	8600 J	-	-
Antimony	mg/Kg	-	-	-	R	-	-
Arsenic	mg/Kg	-	-	-	1.8 J	-	-
Barium	mg/Kg	-	-	-	82	-	-
Beryllium	mg/Kg	-	-	-	0.54	-	-
Cadmium	mg/Kg	-	-	-	0.15 J	-	-
Calcium	mg/Kg	-	-	-	8800	-	-
Chromium	mg/Kg	15.2 J	15.4 J	7.7	16	13.5	11.7
Cobalt	mg/Kg	-	-	-	6.6 J	-	-
Copper	mg/Kg	-	-	-	7 J	-	-
Iron	mg/Kg	-	-	-	20000	-	-
Lead	mg/Kg	-	-	-	12	-	-
Magnesium	mg/Kg	-	-	-	5700	-	-
Manganese	mg/Kg	-	-	-	500 J	-	-
Mercury	mg/Kg	-	-	-	ND (0.1)	-	-
Nickel	mg/Kg	-	-	-	16	-	-
Potassium	mg/Kg	-	-	-	1300 J	-	-
Selenium	mg/Kg	-	-	-	R	-	-
Silver	mg/Kg	-	-	-	ND (0.5) UJ	-	-
Sodium	mg/Kg	-	-	-	71 J	-	-
Thallium	mg/Kg	-	-	-	ND (0.5)	-	-
Vanadium	mg/Kg	-	-	-	18 J	-	-
Zinc	mg/Kg	-	-	-	79 J	-	-
General Chemistry							
Diesel range organics (DRO)	ug/Kg	-	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	1900	-	-	-
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-111-99*	*MW-111-99*
Sample ID:		*S-12609-081899-DN-10*	*S-12609-081899-DN-11*
Sample Depth:		*(6-8)*	*(10-12)*
Sample Date:		*8/18/1999*	*8/18/1999*
Parameter	***Unit***		
Volatiles			
1,1,1-Trichloroethane	ug/Kg	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-
1,1,2-Trichloroethane	ug/Kg	-	-
1,1-Dichloroethane	ug/Kg	-	-
1,1-Dichloroethene	ug/Kg	-	-
1,2-Dichlorobenzene	ug/Kg	-	-
1,2-Dichloroethane	ug/Kg	-	-
1,2-Dichloropropane	ug/Kg	-	-
1,3-Dichlorobenzene	ug/Kg	-	-
1,4-Dichlorobenzene	ug/Kg	-	-
2-Butanone	ug/Kg	-	-
2-Hexanone	ug/Kg	-	-
4-Methyl-2-pentanone	ug/Kg	-	-
Acetone	ug/Kg	-	-
Benzene	ug/Kg	-	-
Bromodichloromethane	ug/Kg	-	-
Bromoform	ug/Kg	-	-
Bromomethane	ug/Kg	-	-
Carbon disulfide	ug/Kg	-	-
Carbon tetrachloride	ug/Kg	-	-
Chlorobenzene	ug/Kg	-	-
Chloroethane	ug/Kg	-	-
Chloroform	ug/Kg	-	-
Chloromethane	ug/Kg	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-
Dibromochloromethane	ug/Kg	-	-
Ethylbenzene	ug/Kg	-	-
Methylene chloride	ug/Kg	-	-
Styrene	ug/Kg	-	-
Tetrachloroethene	ug/Kg	-	-
Toluene	ug/Kg	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-
Trichloroethene	ug/Kg	-	-
Vinyl chloride	ug/Kg	-	-
Xylene (total)	ug/Kg	-	-
Semi-Volatiles			
1,2,4-Trichlorobenzene	ug/Kg	-	-
1,2-Dichlorobenzene	ug/Kg	-	-
1,3-Dichlorobenzene	ug/Kg	-	-
1,4-Dichlorobenzene	ug/Kg	-	-
1-Methyl naphthalene	ug/Kg	ND (370)	ND (410)
2,4,5-Trichlorophenol	ug/Kg	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-
2,4-Dichlorophenol	ug/Kg	-	-
2,4-Dimethylphenol	ug/Kg	-	-
2,4-Dinitrophenol	ug/Kg	-	-
2,4-Dinitrotoluene	ug/Kg	-	-
2,6-Dinitrotoluene	ug/Kg	-	-
2-Chloronaphthalene	ug/Kg	-	-
2-Chlorophenol	ug/Kg	-	-
2-Methyl naphthalene	ug/Kg	ND (370)	ND (410)

TABLE C.5.1

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***
Sample ID:		***S-12609-081899-DN-10***	***S-12609-081899-DN-11***
Sample Depth:		***(6-8)***	***(10-12)***
Sample Date:		***8/18/1999***	***8/18/1999***
Parameter	***Unit***		
2-Methylphenol	ug/Kg	-	-
2-Nitroaniline	ug/Kg	-	-
2-Nitrophenol	ug/Kg	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-
3-Nitroaniline	ug/Kg	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-
4-Chloroaniline	ug/Kg	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-
4-Methylphenol	ug/Kg	-	-
4-Nitroaniline	ug/Kg	-	-
4-Nitrophenol	ug/Kg	-	-
Acenaphthene	ug/Kg	ND (370)	ND (410)
Acenaphthylene	ug/Kg	ND (370)	ND (410)
Anthracene	ug/Kg	ND (370)	ND (410)
Benzo(a)anthracene	ug/Kg	ND (370)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (370)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (370)	ND (410)
Benzo(g,h,i)perylene	ug/Kg	ND (370)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (370)	ND (410)
bis(2-Chloroethoxy)methane	ug/Kg	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-
Butyl benzylphthalate	ug/Kg	-	-
Carbazole	ug/Kg	-	-
Chrysene	ug/Kg	ND (370)	ND (410)
Dibenz(a,h)anthracene	ug/Kg	ND (370)	ND (410)
Dibenzofuran	ug/Kg	-	-
Diethyl phthalate	ug/Kg	-	-
Dimethyl phthalate	ug/Kg	-	-
Di-n-butylphthalate	ug/Kg	-	-
Di-n-octyl phthalate	ug/Kg	-	-
Fluoranthene	ug/Kg	ND (370)	ND (410)
Fluorene	ug/Kg	ND (370)	ND (410)
Hexachlorobenzene	ug/Kg	-	-
Hexachlorobutadiene	ug/Kg	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-
Hexachloroethane	ug/Kg	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (370)	ND (410)
Isophorone	ug/Kg	-	-
Naphthalene	ug/Kg	ND (370)	ND (410)
Nitrobenzene	ug/Kg	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-
Pentachlorophenol	ug/Kg	-	-
Phenanthrene	ug/Kg	ND (370)	ND (410)
Phenol	ug/Kg	-	-
Pyrene	ug/Kg	ND (370)	ND (410)
PCBs			
Aroclor-1016	ug/Kg	ND (37)	ND (41)
Aroclor-1221	ug/Kg	ND (37)	ND (41)

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***
Sample ID:		***S-12609-081899-DN-10***	***S-12609-081899-DN-11***
Sample Depth:		***(6-8)***	***(10-12)***
Sample Date:		***8/18/1999***	***8/18/1999***
Parameter	***Unit***		
Aroclor-1232	ug/Kg	ND (37)	ND (41)
Aroclor-1242	ug/Kg	ND (37)	ND (41)
Aroclor-1248	ug/Kg	ND (37)	ND (41)
Aroclor-1254	ug/Kg	ND (37)	ND (41)
Aroclor-1260	ug/Kg	ND (37)	ND (41)
Total PCBs	ug/Kg	-	-
Metals			
Aluminum	mg/Kg	-	-
Antimony	mg/Kg	-	-
Arsenic	mg/Kg	-	-
Barium	mg/Kg	-	-
Beryllium	mg/Kg	-	-
Cadmium	mg/Kg	-	-
Calcium	mg/Kg	-	-
Chromium	mg/Kg	8.7 J	12.2 J
Cobalt	mg/Kg	-	-
Copper	mg/Kg	-	-
Iron	mg/Kg	-	-
Lead	mg/Kg	-	-
Magnesium	mg/Kg	-	-
Manganese	mg/Kg	-	-
Mercury	mg/Kg	-	-
Nickel	mg/Kg	-	-
Potassium	mg/Kg	-	-
Selenium	mg/Kg	-	-
Silver	mg/Kg	-	-
Sodium	mg/Kg	-	-
Thallium	mg/Kg	-	-
Vanadium	mg/Kg	-	-
Zinc	mg/Kg	-	-
General Chemistry			
Diesel range organics (DRO)	ug/Kg	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-
Cyanide (total)	mg/Kg	-	-

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-104-98*	*MW-104-98*	*MW-110-99*	*MW-110-99*	*MW-110-99*
Sample ID:		*GW-10236-021798-SM-007*	*W-12609-111999-DEN-05*	*W-12609-091499-DN-09*	*W-12609-111999-DEN-06*	*W-12609-021000-DEN-04*
Sample Depth:						
Sample Date:		*2/17/1998*	*11/19/1999*	*9/14/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	0.43 J	ND (1.0)	ND (1.0)	ND (5.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	0.21 J	ND (1.0)	ND (1.0)	ND (5.0)
1,1-Dichloroethane	ug/L	ND (1.0)	1.0	1.3	1.0	ND (5.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
1,2-Dichlorobenzene	ug/L	ND (1.0)	-	-	-	-
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
1,2-Dichloroethene (total)	ug/L	ND (1.0)	-	0.26 J	-	-
1,2-Dichloropropane	ug/L	ND (1.0)	0.092 J	ND (1.0)	0.073 J	ND (5.0)
1,3-Dichlorobenzene	ug/L	ND (1.0)	-	-	-	-
1,4-Dichlorobenzene	ug/L	ND (1.0)	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	ND (10)
2-Butanone	ug/L	ND (50)	1.9 J	ND (10)	ND (10)	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	R
2-Hexanone	ug/L	ND (50)	1.6 J	ND (10)	ND (10)	-
4-Methyl-2-pentanone	ug/L	ND (50)	1.3 J	ND (10)	ND (10)	-
Acetone	ug/L	ND (100)	ND (10) U	ND (10)	ND (10) U	-
Acrolein	ug/L	-	-	-	-	ND (100)
Acrylonitrile	ug/L	-	-	-	-	ND (100)
Benzene	ug/L	ND (5.0)	0.12 J	ND (1.0)	ND (1.0)	ND (5.0)
Bromodichloromethane	ug/L	ND (1.0)	0.095 J	ND (1.0)	ND (1.0)	ND (5.0)
Bromoform	ug/L	ND (1.0)	0.17 J	ND (1.0)	ND (1.0)	ND (5.0)
Bromomethane	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)
Carbon disulfide	ug/L	ND (50)	0.14 J	ND (1.0)	ND (1.0)	-
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
Chlorobenzene	ug/L	ND (1.0)	0.25 J	ND (1.0)	ND (1.0)	ND (5.0)
Chloroethane	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)
Chloroform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
Chloromethane	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	0.11 J	ND (10)
cis-1,2-Dichloroethene	ug/L	-	0.19 J	0.26 J	0.23 J	-
cis-1,3-Dichloropropene	ug/L	ND (1.0)	0.12 J	ND (1.0)	ND (1.0)	ND (5.0)
Dibromochloromethane	ug/L	ND (1.0)	0.15 J	ND (1.0)	ND (1.0)	ND (5.0)
Ethylbenzene	ug/L	ND (1.0)	0.18 J	ND (1.0)	ND (1.0)	ND (5.0)
Methylene chloride	ug/L	ND (5.0)	ND (1.0) U	ND (1.0) U	ND (1.0)	ND (10)
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	-
Tetrachloroethene	ug/L	ND (1.0)	0.15 J	ND (1.0)	ND (1.0)	ND (5.0)
Toluene	ug/L	ND (1.0)	ND (1.0) U	ND (1.0)	ND (1.0)	ND (5.0)
trans-1,2-Dichloroethene	ug/L	-	ND (0.50)	-	ND (0.50)	ND (2.5)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	0.10	ND (1.0)	ND (1.0)	ND (5.0)
Trichloroethene	ug/L	ND (1.0)	0.13 J	ND (1.0)	ND (1.0)	ND (5.0)
Vinyl chloride	ug/L	ND (1.0)	ND (2.0)	ND (2.0)	0.13 J	ND (10)
Xylene (total)	ug/L	ND (3.0)	ND (1.0)	ND (1.0)	ND (1.0)	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
1,2-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
1,2-Diphenylhydrazine	ug/L	-	-	-	-	ND (10) UJ
1,3-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
1,4-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
1-Methyl naphthalene	ug/L	-	-	ND (10)	-	-
2,3-Dichlorophenol	ug/L	-	-	-	-	ND (10) UJ
2,4,5-Trichlorophenol	ug/L	ND (25)	ND (10)	-	ND (10)	-

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-104-98*	*MW-104-98*	*MW-110-99*	*MW-110-99*	*MW-110-99*
Sample ID:		*GW-10236-021798-SM-007*	*W-12609-111999-DEN-05*	*W-12609-091499-DN-09*	*W-12609-111999-DEN-06*	*W-12609-021000-DEN-04*
Sample Depth:						
Sample Date:		*2/17/1998*	*11/19/1999*	*9/14/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***					
2,4,6-Trichlorophenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2,4-Dichlorophenol	ug/L	ND (10)	ND (10)	-	ND (10)	-
2,4-Dimethylphenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2,4-Dinitrophenol	ug/L	ND (25)	ND (50)	-	ND (50)	ND (50) UJ
2,4-Dinitrotoluene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2,6-Dinitrotoluene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2-Chloronaphthalene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2-Chlorophenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
2-Methyl naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-
2-Methylphenol	ug/L	ND (10)	ND (10)	-	ND (10)	-
2-Nitroaniline	ug/L	ND (25)	ND (50)	-	ND (50)	-
2-Nitrophenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
3,3'-Dichlorobenzidine	ug/L	ND (10)	ND (50)	-	ND (50)	ND (10) UJ
3-Nitroaniline	ug/L	ND (25)	ND (50)	-	ND (50)	-
4,6-Dinitro-2-methylphenol	ug/L	ND (25)	ND (50)	-	ND (50)	ND (50) UJ
4-Bromophenyl phenyl ether	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
4-Chloro-3-methylphenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
4-Chloroaniline	ug/L	ND (10)	ND (10)	-	ND (10)	-
4-Chlorophenyl phenyl ether	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
4-Methylphenol	ug/L	ND (10)	ND (10)	-	ND (10)	-
4-Nitroaniline	ug/L	ND (25)	ND (50)	-	ND (50)	-
4-Nitrophenol	ug/L	ND (25)	ND (50)	-	ND (50)	ND (50) UJ
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Benzidine	ug/L	-	-	-	-	ND (100) UJ
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Benzo(b)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Benzo(k)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
bis(2-Chloroethoxy)methane	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
bis(2-Chloroethyl)ether	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
bis(2-Ethylhexyl)phthalate	ug/L	ND (10)	ND (10)	-	ND (10)	4.4 J
Butyl benzylphthalate	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Carbazole	ug/L	ND (10)	ND (10)	-	ND (10)	-
Chlordane	ug/L	ND (0.050)	-	-	-	-
Chrysene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Dibenz(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Dibenzofuran	ug/L	ND (10)	ND (10)	-	ND (10)	-
Diethyl phthalate	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Dimethyl phthalate	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Di-n-butylphthalate	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Di-n-octyl phthalate	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Fluorene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Hexachlorobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Hexachlorobutadiene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Hexachlorocyclopentadiene	ug/L	ND (10)	ND (50)	-	ND (50)	ND (10) UJ
Hexachloroethane	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Isophorone	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Nitrobenzene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
N-Nitrosodimethylamine	ug/L	-	-	-	-	ND (10) UJ
N-Nitrosodi-n-propylamine	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
N-Nitrosodiphenylamine	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Pentachlorophenol	ug/L	ND (25)	ND (10)	-	ND (10)	ND (10) UJ
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-104-98***	***MW-104-98***	***MW-110-99***	***MW-110-99***	***MW-110-99***
Sample ID:		***GW-10236-021798-SM-007***	***W-12609-111999-DEN-05***	***W-12609-091499-DN-09***	***W-12609-111999-DEN-06***	***W-12609-021000-DEN-04***
Sample Depth:						
Sample Date:		***2/17/1998***	***11/19/1999***	***9/14/1999***	***11/19/1999***	***2/10/2000***
Parameter	***Unit***					
Phenol	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10) UJ
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) UJ
Metals						
Aluminum (Dissolved)	mg/L	ND (0.1)	-	-	-	-
Aluminum	mg/L	-	ND (0.20)	-	ND (0.20)	-
Antimony (Dissolved)	mg/L	ND (0.005)	-	-	-	-
Antimony	mg/L	-	ND (0.060)	-	ND (0.060)	-
Arsenic (Dissolved)	mg/L	0.018	-	-	-	-
Arsenic	mg/L	0.018	0.016	-	ND (0.010)	0.016
Barium (Dissolved)	mg/L	ND (0.2)	-	-	-	-
Barium	mg/L	-	0.30	-	0.28	0.41
Beryllium (Dissolved)	mg/L	ND (0.001)	-	-	-	-
Beryllium	mg/L	-	ND (0.0050)	-	ND (0.0050)	-
Cadmium (Dissolved)	mg/L	ND (0.0005)	-	-	-	-
Cadmium	mg/L	ND (0.0005)	ND (0.0050)	-	ND (0.0050)	ND (0.0050)
Calcium (Dissolved)	mg/L	120	-	-	-	-
Calcium	mg/L	120	138	-	151	-
Chromium (Dissolved)	mg/L	ND (0.05)	-	-	-	-
Chromium	mg/L	-	ND (0.010)	ND (0.010)	ND (0.010)	0.020
Cobalt (Dissolved)	mg/L	ND (0.01)	-	-	-	-
Cobalt	mg/L	-	ND (0.050)	-	ND (0.050)	-
Copper (Dissolved)	mg/L	ND (0.025)	-	-	-	-
Copper	mg/L	-	ND (0.025)	-	ND (0.025)	-
Iron (Dissolved)	mg/L	9.4	-	-	-	-
Iron	mg/L	9.4	2.1	-	ND (0.34) U	16.7
Lead (Dissolved)	mg/L	ND (0.003)	-	-	-	-
Lead	mg/L	ND (0.003)	ND (0.0030)	-	ND (0.0030)	0.012
Magnesium (Dissolved)	mg/L	28	-	-	-	-
Magnesium	mg/L	28	31.8	-	42.0	-
Manganese (Dissolved)	mg/L	1.9	-	-	-	-
Manganese	mg/L	1.9	1.5	-	0.45	-
Mercury (Dissolved)	mg/L	0.00054	-	-	-	-
Mercury	mg/L	0.00054	ND (0.00020)	-	ND (0.00020)	ND (0.00020)
Nickel (Dissolved)	mg/L	ND (0.05)	-	-	-	-
Nickel	mg/L	-	ND (0.040)	-	ND (0.040)	-
Potassium (Dissolved)	mg/L	3.9	-	-	-	-
Potassium	mg/L	3.9	5.3	-	ND (5.0)	-
Selenium (Dissolved)	mg/L	ND (0.005)	-	-	-	-
Selenium	mg/L	-	ND (0.0050)	-	ND (0.0050)	ND (0.0050)
Silver (Dissolved)	mg/L	ND (0.0005) UJ	-	-	-	-
Silver	mg/L	ND (0.0005) UJ	ND (0.010)	-	ND (0.010)	ND (0.010)
Sodium (Dissolved)	mg/L	9.6	-	-	-	-
Sodium	mg/L	9.6	13.8	-	26.4	-
Thallium (Dissolved)	mg/L	ND (0.002)	-	-	-	-
Thallium	mg/L	-	ND (0.010)	-	ND (0.010)	-
Vanadium (Dissolved)	mg/L	ND (0.02)	-	-	-	-
Vanadium	mg/L	-	ND (0.050)	-	ND (0.050)	-
Zinc (Dissolved)	mg/L	ND (0.02)	-	-	-	-
Zinc	mg/L	0.043	ND (0.050)	-	ND (0.050)	-
PCBs						
Aroclor-1016	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (0.40)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (0.20)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-104-98***	***MW-104-98***	***MW-110-99***	***MW-110-99***	***MW-110-99***
Sample ID:		***GW-10236-021798-SM-007***	***W-12609-111999-DEN-05***	***W-12609-091499-DN-09***	***W-12609-111999-DEN-06***	***W-12609-021000-DEN-04***
Sample Depth:						
Sample Date:		***2/17/1998***	***11/19/1999***	***9/14/1999***	***11/19/1999***	***2/10/2000***
Parameter	***Unit***					
Pesticides						
4,4-DDD	ug/L	ND (0.020)	-	-	-	ND (0.050)
4,4-DDE	ug/L	ND (0.020)	-	-	-	ND (0.050)
4,4-DDT	ug/L	ND (0.020)	-	-	-	ND (0.050)
Aldrin	ug/L	ND (0.010)	-	-	-	ND (0.050)
alpha-BHC	ug/L	ND (0.010)	-	-	-	ND (0.050)
alpha-Chlordane	ug/L	ND (0.010)	-	-	-	-
beta-BHC	ug/L	ND (0.010)	-	-	-	ND (0.050)
Chlordane	ug/L	-	-	-	-	ND (0.50)
delta-BHC	ug/L	ND (0.010)	-	-	-	ND (0.050)
Dieldrin	ug/L	ND (0.020)	-	-	-	ND (0.050)
Endosulfan I	ug/L	ND (0.050)	-	-	-	ND (0.050)
Endosulfan II	ug/L	ND (0.050)	-	-	-	ND (0.050)
Endosulfan sulfate	ug/L	ND (0.050)	-	-	-	ND (0.050)
Endrin aldehyde	ug/L	ND (0.020)	-	-	-	ND (0.050)
Endrin ketone	ug/L	ND (0.020)	-	-	-	-
Endrin	ug/L	ND (0.020)	-	-	-	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.010)	-	-	-	ND (0.050)
gamma-Chlordane	ug/L	ND (0.010)	-	-	-	-
Heptachlor epoxide	ug/L	ND (0.010)	-	-	-	ND (0.050)
Heptachlor	ug/L	ND (0.010)	-	-	-	ND (0.050)
Methoxychlor	ug/L	ND (0.50)	-	-	-	-
Toxaphene	ug/L	ND (1.0)	-	-	-	ND (2.0)
General Chemistry						
Total Recoverable Petroleum Hydrocarbons	mg/L	-	ND (1)	-	ND (1)	-
Alkalinity (Filtered)	mg/L	-	-	-	-	480
Alkalinity, Total (As CaCO3)	mg/L	-	400	-	470	-
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	ND (2)
Carbonate Alkalinity	mg/L	-	ND (5.0)	-	ND (5.0)	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	17
Chloride	mg/L	-	13.6	-	20.8	-
Cyanide (total)	mg/L	ND (0.010)	-	-	-	-
Nitrate (as N)	mg/L	-	0.67 J	-	0.37 J	-
Nitrite (as N)	mg/L	-	ND (1.0) UJ	-	ND (1.0) UJ	-
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	45.6	-	48.2	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	7
Total Suspended Solids (TSS)	mg/L	-	-	-	-	500
Volatile Suspended Solids	mg/L	-	-	-	-	44

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-111-99*	*MW-111-99*	*MW-111-99*
Sample ID:		*W-12609-091599-DN-14*	*W-12609-111999-DEN-02*	*W-12609-021000-DEN-05*
Sample Depth:				
Sample Date:		*9/15/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***			
Volatiles				
1,1,1-Trichloroethane	ug/L	-	ND (1.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	ug/L	-	ND (1.0)	ND (5.0)
1,1,2-Trichloroethane	ug/L	-	ND (1.0)	ND (5.0)
1,1-Dichloroethane	ug/L	-	ND (1.0)	ND (5.0)
1,1-Dichloroethene	ug/L	-	ND (1.0)	ND (5.0)
1,2-Dichlorobenzene	ug/L	-	-	-
1,2-Dichloroethane	ug/L	-	ND (1.0)	ND (5.0)
1,2-Dichloroethene (total)	ug/L	-	-	-
1,2-Dichloropropane	ug/L	-	ND (1.0)	ND (5.0)
1,3-Dichlorobenzene	ug/L	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-
2,4-Dichlorophenol	ug/L	-	-	ND (10)
2-Butanone	ug/L	-	ND (10)	-
2-Chloroethyl vinyl ether	ug/L	-	-	ND (5.0)
2-Hexanone	ug/L	-	ND (10)	-
4-Methyl-2-pentanone	ug/L	-	ND (10)	-
Acetone	ug/L	-	ND (10) U	-
Acrolein	ug/L	-	-	ND (100)
Acrylonitrile	ug/L	-	-	ND (100)
Benzene	ug/L	-	ND (1.0)	ND (5.0)
Bromodichloromethane	ug/L	-	ND (1.0)	ND (5.0)
Bromoform	ug/L	-	ND (1.0)	ND (5.0)
Bromomethane	ug/L	-	ND (2.0)	ND (10)
Carbon disulfide	ug/L	-	ND (1.0)	-
Carbon tetrachloride	ug/L	-	ND (1.0)	ND (5.0)
Chlorobenzene	ug/L	-	ND (1.0)	ND (5.0)
Chloroethane	ug/L	-	ND (2.0)	ND (10)
Chloroform	ug/L	-	ND (1.0)	ND (5.0)
Chloromethane	ug/L	-	ND (2.0)	ND (10)
cis-1,2-Dichloroethene	ug/L	-	ND (0.50)	-
cis-1,3-Dichloropropene	ug/L	-	ND (1.0)	ND (5.0)
Dibromochloromethane	ug/L	-	ND (1.0)	ND (5.0)
Ethylbenzene	ug/L	-	ND (1.0)	ND (5.0)
Methylene chloride	ug/L	-	ND (1.0)	ND (10)
Styrene	ug/L	-	ND (1.0)	-
Tetrachloroethene	ug/L	-	ND (1.0)	ND (5.0)
Toluene	ug/L	-	ND (1.0)	ND (5.0)
trans-1,2-Dichloroethene	ug/L	-	ND (0.50)	ND (2.5)
trans-1,3-Dichloropropene	ug/L	-	ND (1.0)	ND (5.0)
Trichloroethene	ug/L	-	ND (1.0)	ND (5.0)
Vinyl chloride	ug/L	-	1.4 J	ND (10)
Xylene (total)	ug/L	-	ND (1.0)	-
Semi-Volatiles				
1,2,4-Trichlorobenzene	ug/L	-	ND (10)	ND (10)
1,2-Dichlorobenzene	ug/L	-	ND (10)	ND (10)
1,2-Diphenylhydrazine	ug/L	-	-	ND (10)
1,3-Dichlorobenzene	ug/L	-	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/L	-	ND (10)	ND (10)
1-Methyl naphthalene	ug/L	ND (10)	-	-
2,3-Dichlorophenol	ug/L	-	-	ND (10)
2,4,5-Trichlorophenol	ug/L	-	ND (10)	-

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*MW-111-99*	*MW-111-99*	*MW-111-99*
Sample ID:		*W-12609-091599-DN-14*	*W-12609-111999-DEN-02*	*W-12609-021000-DEN-05*
Sample Depth:				
Sample Date:		*9/15/1999*	*11/19/1999*	*2/10/2000*
Parameter	***Unit***			
2,4,6-Trichlorophenol	ug/L	-	ND (10)	ND (10)
2,4-Dichlorophenol	ug/L	-	ND (10)	-
2,4-Dimethylphenol	ug/L	-	ND (10)	ND (10)
2,4-Dinitrophenol	ug/L	-	ND (50)	ND (50)
2,4-Dinitrotoluene	ug/L	-	ND (10)	ND (10)
2,6-Dinitrotoluene	ug/L	-	ND (10)	ND (10)
2-Chloronaphthalene	ug/L	-	ND (10)	ND (10)
2-Chlorophenol	ug/L	-	ND (10)	ND (10)
2-Methyl naphthalene	ug/L	ND (10)	ND (10)	-
2-Methylphenol	ug/L	-	ND (10)	-
2-Nitroaniline	ug/L	-	ND (50)	-
2-Nitrophenol	ug/L	-	ND (10)	ND (10)
3,3'-Dichlorobenzidine	ug/L	-	ND (50)	ND (10)
3-Nitroaniline	ug/L	-	ND (50)	-
4,6-Dinitro-2-methylphenol	ug/L	-	ND (50)	ND (50)
4-Bromophenyl phenyl ether	ug/L	-	ND (10)	ND (10)
4-Chloro-3-methylphenol	ug/L	-	ND (10)	ND (10)
4-Chloroaniline	ug/L	-	ND (10)	-
4-Chlorophenyl phenyl ether	ug/L	-	ND (10)	ND (10)
4-Methylphenol	ug/L	-	ND (10)	-
4-Nitroaniline	ug/L	-	ND (50)	-
4-Nitrophenol	ug/L	-	ND (50)	ND (50)
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)
Anthracene	ug/L	ND (10)	ND (10)	ND (10)
Benzidine	ug/L	-	-	ND (100)
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)
Benzo(b)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)
Benzo(k)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	-	ND (10)	ND (10)
bis(2-Chloroethyl)ether	ug/L	-	ND (10)	ND (10)
bis(2-Chloroisopropyl)ether	ug/L	-	ND (10)	ND (10)
bis(2-Ethylhexyl)phthalate	ug/L	-	ND (10)	ND (10)
Butyl benzylphthalate	ug/L	-	ND (10)	ND (10)
Carbazole	ug/L	-	ND (10)	-
Chlordane	ug/L	-	-	-
Chrysene	ug/L	ND (10)	ND (10)	ND (10)
Dibenz(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)
Dibenzofuran	ug/L	-	ND (10)	-
Diethyl phthalate	ug/L	-	ND (10)	ND (10)
Dimethyl phthalate	ug/L	-	ND (10)	R
Di-n-butylphthalate	ug/L	-	ND (10)	ND (10)
Di-n-octyl phthalate	ug/L	-	ND (10)	ND (10)
Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)
Fluorene	ug/L	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	ug/L	-	ND (10)	ND (10)
Hexachlorobutadiene	ug/L	-	ND (10)	ND (10)
Hexachlorocyclopentadiene	ug/L	-	ND (50)	ND (10)
Hexachloroethane	ug/L	-	ND (10)	ND (10)
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)
Isophorone	ug/L	-	ND (10)	ND (10)
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)
Nitrobenzene	ug/L	-	ND (10)	ND (10)
N-Nitrosodimethylamine	ug/L	-	-	ND (10)
N-Nitrosodi-n-propylamine	ug/L	-	ND (10)	ND (10)
N-Nitrosodiphenylamine	ug/L	-	ND (10)	ND (10)
Pentachlorophenol	ug/L	-	ND (10)	ND (10)
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***	***MW-111-99***
Sample ID:		***W-12609-091599-DN-14***	***W-12609-111999-DEN-02***	***W-12609-021000-DEN-05***
Sample Depth:				
Sample Date:		***9/15/1999***	***11/19/1999***	***2/10/2000***
Parameter	***Unit***			
Phenol	ug/L	-	ND (10)	ND (10)
Pyrene	ug/L	ND (10)	ND (10)	ND (10)
Metals				
Aluminum (Dissolved)	mg/L	-	-	-
Aluminum	mg/L	-	ND (0.20)	-
Antimony (Dissolved)	mg/L	-	-	-
Antimony	mg/L	-	ND (0.060)	-
Arsenic (Dissolved)	mg/L	-	-	-
Arsenic	mg/L	-	0.015	0.031
Barium (Dissolved)	mg/L	-	-	-
Barium	mg/L	-	0.41	0.33
Beryllium (Dissolved)	mg/L	-	-	-
Beryllium	mg/L	-	ND (0.0050)	-
Cadmium (Dissolved)	mg/L	-	-	-
Cadmium	mg/L	-	ND (0.0050)	ND (0.0050)
Calcium (Dissolved)	mg/L	-	-	-
Calcium	mg/L	-	134	-
Chromium (Dissolved)	mg/L	-	-	-
Chromium	mg/L	-	ND (0.010)	ND (0.010)
Cobalt (Dissolved)	mg/L	-	-	-
Cobalt	mg/L	-	ND (0.050)	-
Copper (Dissolved)	mg/L	-	-	-
Copper	mg/L	-	ND (0.025)	-
Iron (Dissolved)	mg/L	-	-	-
Iron	mg/L	-	ND (0.19) U	9.5
Lead (Dissolved)	mg/L	-	-	-
Lead	mg/L	-	ND (0.0030)	0.0049
Magnesium (Dissolved)	mg/L	-	-	-
Magnesium	mg/L	-	38.4	-
Manganese (Dissolved)	mg/L	-	-	-
Manganese	mg/L	-	0.26	-
Mercury (Dissolved)	mg/L	-	-	-
Mercury	mg/L	-	ND (0.00020)	ND (0.00020)
Nickel (Dissolved)	mg/L	-	-	-
Nickel	mg/L	-	ND (0.040)	-
Potassium (Dissolved)	mg/L	-	-	-
Potassium	mg/L	-	ND (5.0)	-
Selenium (Dissolved)	mg/L	-	-	-
Selenium	mg/L	-	ND (0.0050)	ND (0.0050)
Silver (Dissolved)	mg/L	-	-	-
Silver	mg/L	-	ND (0.010)	ND (0.010)
Sodium (Dissolved)	mg/L	-	-	-
Sodium	mg/L	-	50.5	-
Thallium (Dissolved)	mg/L	-	-	-
Thallium	mg/L	-	ND (0.010)	-
Vanadium (Dissolved)	mg/L	-	-	-
Vanadium	mg/L	-	ND (0.050)	-
Zinc (Dissolved)	mg/L	-	-	-
Zinc	mg/L	-	ND (0.050)	-
PCBs				
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)

TABLE C.5.2

SUMMARY OF ANALYTICAL RESULTS
FORMER STORMWATER POND
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-111-99***	***MW-111-99***	***MW-111-99***
Sample ID:		***W-12609-091599-DN-14***	***W-12609-111999-DEN-02***	***W-12609-021000-DEN-05***
Sample Depth:				
Sample Date:		***9/15/1999***	***11/19/1999***	***2/10/2000***
Parameter	***Unit***			
Pesticides				
4,4-DDD	ug/L	-	-	ND (0.050)
4,4-DDE	ug/L	-	-	ND (0.050)
4,4-DDT	ug/L	-	-	ND (0.050)
Aldrin	ug/L	-	-	ND (0.050)
alpha-BHC	ug/L	-	-	ND (0.050)
alpha-Chlordane	ug/L	-	-	-
beta-BHC	ug/L	-	-	ND (0.050)
Chlordane	ug/L	-	-	ND (0.50)
delta-BHC	ug/L	-	-	ND (0.050)
Dieldrin	ug/L	-	-	ND (0.050)
Endosulfan I	ug/L	-	-	ND (0.050)
Endosulfan II	ug/L	-	-	ND (0.050)
Endosulfan sulfate	ug/L	-	-	ND (0.050)
Endrin aldehyde	ug/L	-	-	ND (0.050)
Endrin ketone	ug/L	-	-	-
Endrin	ug/L	-	-	ND (0.050)
gamma-BHC (Lindane)	ug/L	-	-	ND (0.050)
gamma-Chlordane	ug/L	-	-	-
Heptachlor epoxide	ug/L	-	-	ND (0.050)
Heptachlor	ug/L	-	-	ND (0.050)
Methoxychlor	ug/L	-	-	-
Toxaphene	ug/L	-	-	ND (2.0)
General Chemistry				
Total Recoverable Petroleum Hydrocarbons	mg/L	-	ND (1)	-
Alkalinity (Filtered)	mg/L	-	-	510
Alkalinity, Total (As CaCO3)	mg/L	-	470	-
Ammonia	mg/L	-	-	0.2
Biochemical Oxygen Demand (BOD)	mg/L	-	-	ND (2)
Carbonate Alkalinity	mg/L	-	ND (5.0)	-
Chemical Oxygen Demand (COD)	mg/L	-	-	ND (10)
Chloride	mg/L	-	32.7	-
Cyanide (total)	mg/L	-	-	-
Nitrate (as N)	mg/L	-	ND (1.0) UJ	-
Nitrite (as N)	mg/L	-	ND (1.0) UJ	-
Phosphorus	mg/L	-	-	ND (0.1)
Sulfate	mg/L	-	59.1	-
Total Organic Carbon (TOC)	mg/L	-	-	7
Total Suspended Solids (TSS)	mg/L	-	-	380
Volatile Suspended Solids	mg/L	-	-	22

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not Analyzed.

SECTION 6

FORMER DISPOSAL AREA

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-101-98*	*BH-102-98*	*BH-103-98*	*BH-119-98*	*BH-119-98*
Sample ID:		*S-10236-010698-FCE-004*	*S-10236-010998-FCE-006*	*S-10236-010998-FCE-007*	*S-10236-060298-TJ-033A*	*S-10236-060298-TJ-033B*
Sample Depth:		*(2-5)*	*(1-2.5)*	*(1-3)*	*(0-3)*	*(3-6)*
Sample Date:		*1/6/1998*	*1/9/1998*	*1/9/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
Acetone	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
Benzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Bromoform	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Bromomethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	ND (100)	-	-
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Chlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Chloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Chloroform	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Chloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Ethylbenzene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Methylene chloride	ug/Kg	ND (10)	11 U	11 U	-	-
Styrene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Toluene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (10)	ND (10)	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	ND (30)	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
1,2-Dichlorobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
1,3-Dichlorobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
1,4-Dichlorobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2,4-Dichlorophenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2,4-Dimethylphenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-101-98*	*BH-102-98*	*BH-103-98*	*BH-119-98*	*BH-119-98*
Sample ID:		*S-10236-010698-FCE-004*	*S-10236-010998-FCE-006*	*S-10236-010998-FCE-007*	*S-10236-060298-TJ-033A*	*S-10236-060298-TJ-033B*
Sample Depth:		*(2-5)*	*(1-2.5)*	*(1-3)*	*(0-3)*	*(3-6)*
Sample Date:		*1/6/1998*	*1/9/1998*	*1/9/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
2,4-Dinitrotoluene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2,6-Dinitrotoluene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2-Chloronaphthalene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2-Chlorophenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2-Methyl naphthalene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2-Methylphenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
2-Nitroaniline	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
2-Nitrophenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
3-Nitroaniline	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (330) UJ	ND (330)	ND (330)	-	-
4-Chloroaniline	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
4-Methylphenol	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
4-Nitroaniline	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
4-Nitrophenol	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
Acenaphthene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Acenaphthylene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Anthracene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Benzo(a)anthracene	ug/Kg	ND (330)	600	ND (330)	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	370	ND (330)	-	-
Benzo(b)fluoranthene	ug/Kg	350	500	ND (330)	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Butyl benzylphthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Carbazole	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Chrysene	ug/Kg	390	620	ND (330)	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Dibenzofuran	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Diethyl phthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Dimethyl phthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Di-n-butylphthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Di-n-octyl phthalate	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Fluoranthene	ug/Kg	640	1300	ND (330)	-	-
Fluorene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Hexachlorobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Hexachlorobutadiene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Hexachloroethane	ug/Kg	ND (330)	ND (330)	ND (330)	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-101-98***	***BH-102-98***	***BH-103-98***	***BH-119-98***	***BH-119-98***
Sample ID:		***S-10236-010698-FCE-004***	***S-10236-010998-FCE-006***	***S-10236-010998-FCE-007***	***S-10236-060298-TJ-033A***	***S-10236-060298-TJ-033B***
Sample Depth:		***(2-5)***	***(1-2.5)***	***(1-3)***	***(0-3)***	***(3-6)***
Sample Date:		***1/6/1998***	***1/9/1998***	***1/9/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Isophorone	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Naphthalene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Nitrobenzene	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (330)	ND (330)	ND (330)	-	-
Pentachlorophenol	ug/Kg	ND (800)	ND (800)	ND (800)	-	-
Phenanthrene	ug/Kg	460	860	ND (330)	-	-
Phenol	ug/Kg	ND (330)	850	ND (330)	-	-
Pyrene	ug/Kg	580	1000	ND (330)	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (2600)	ND (330)	ND (1700)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (2600)	ND (330)	ND (1700)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (2600)	ND (330)	ND (1700)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (2600)	ND (330)	ND (1700)
Aroclor-1248	ug/Kg	580	1100	18000	2600	3000
Aroclor-1254	ug/Kg	740	3000	ND (2600)	2900	ND (1700)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (2600)	ND (330)	ND (1700)
Total PCBs	ug/Kg	1320	4100	18000	5500	3000
Metals						
Aluminum	mg/Kg	4300	8500 J	3700 J	-	-
Antimony	mg/Kg	R	ND (0.5) UJ	3.1 J	-	-
Arsenic	mg/Kg	8.3 J	4.1 J	9.5 J	-	-
Barium	mg/Kg	63 J	130 J	93 J	-	-
Beryllium	mg/Kg	0.36 J	0.33	ND (0.26)	-	-
Cadmium	mg/Kg	0.67	4	23	-	-
Calcium	mg/Kg	10000 J	10000 J	1200 J	-	-
Chromium	mg/Kg	22	47	190	-	-
Cobalt	mg/Kg	9 J	7.6	47	-	-
Copper	mg/Kg	48 J	230	2100	-	-
Iron	mg/Kg	7700	20000	200000	-	-
Lead	mg/Kg	35	96 J	61 J	-	-
Magnesium	mg/Kg	7000 J	5700 J	720 J	-	-
Manganese	mg/Kg	190	310	3000	-	-
Mercury	mg/Kg	ND (0.1)	ND (0.1)	ND (0.1)	-	-
Nickel	mg/Kg	38	67	200	-	-
Potassium	mg/Kg	500	1200 J	63 J	-	-
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	-	-
Silver	mg/Kg	1 J	0.84 J	3.3 J	-	-
Sodium	mg/Kg	43	80 J	120 J	-	-
Thallium	mg/Kg	ND (0.5)	ND (0.5)	ND (0.5)	-	-
Vanadium	mg/Kg	8.2	19 J	39 J	-	-
Zinc	mg/Kg	130 J	240	380	-	-
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	0.24	ND (0.2)	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-120-98*	*BH-120-98*	*BH-120-98*	*BH-121-98*	*BH-121-98*
Sample ID:		*S-10236-060298-TJ-034A*	*S-10236-060298-TJ-034B*	*S-10236-060298-TJ-034E*	*S-10236-060298-TJ-035A*	*S-10236-060298-TJ-035B*
Sample Depth:		*(0-3)*	*(3-6)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
				Duplicate		
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-120-98*	*BH-120-98*	*BH-120-98*	*BH-121-98*	*BH-121-98*
Sample ID:		*S-10236-060298-TJ-034A*	*S-10236-060298-TJ-034B*	*S-10236-060298-TJ-034E*	*S-10236-060298-TJ-035A*	*S-10236-060298-TJ-035B*
Sample Depth:		*(0-3)*	*(3-6)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
				Duplicate		
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-120-98***	***BH-120-98***	***BH-120-98***	***BH-121-98***	***BH-121-98***
Sample ID:		***S-10236-060298-TJ-034A***	***S-10236-060298-TJ-034B***	***S-10236-060298-TJ-034E***	***S-10236-060298-TJ-035A***	***S-10236-060298-TJ-035B***
Sample Depth:		***(0-3)***	***(3-6)***	***(3-6)***	***(0-3)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
				Duplicate		
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (2100)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (2100)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (2100)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (2100)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	35000	ND (330)
Aroclor-1254	ug/Kg	730	ND (330)	ND (330)	12000	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (2100)	ND (330)
Total PCBs	ug/Kg	730	ND (330)	ND (330)	47000	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-122-98***	***BH-122-98***	***BH-123-98***	***BH-123-98***	***BH-124-98***
Sample ID:		***S-10236-060298-TJ-036A***	***S-10236-060298-TJ-036B***	***S-10236-060298-TJ-037A***	***S-10236-060298-TJ-037B***	***S-10236-060298-TJ-038A***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-122-98*	*BH-122-98*	*BH-123-98*	*BH-123-98*	*BH-124-98*
Sample ID:		*S-10236-060298-TJ-036A*	*S-10236-060298-TJ-036B*	*S-10236-060298-TJ-037A*	*S-10236-060298-TJ-037B*	*S-10236-060298-TJ-038A*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-122-98*	*BH-122-98*	*BH-123-98*	*BH-123-98*	*BH-124-98*
Sample ID:		*S-10236-060298-TJ-036A*	*S-10236-060298-TJ-036B*	*S-10236-060298-TJ-037A*	*S-10236-060298-TJ-037B*	*S-10236-060298-TJ-038A*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (390)	ND (330)	ND (17000)	ND (330)	ND (400)
Aroclor-1221	ug/Kg	ND (390)	ND (330)	ND (17000)	ND (330)	ND (400)
Aroclor-1232	ug/Kg	ND (390)	ND (330)	ND (17000)	ND (330)	ND (400)
Aroclor-1242	ug/Kg	ND (390)	ND (330)	ND (17000)	ND (330)	ND (400)
Aroclor-1248	ug/Kg	1700	ND (330)	50000	430	2000
Aroclor-1254	ug/Kg	930	ND (330)	180000	ND (330)	1200
Aroclor-1260	ug/Kg	ND (390)	ND (330)	ND (17000)	ND (330)	ND (400)
Total PCBs	ug/Kg	2600	ND (330)	230000	430	3200
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-124-98*	*BH-125-98*	*BH-125-98*	*BH-125-98*	*BH-126-98*
Sample ID:		*S-10236-060298-TJ-038B*	*S-10236-060298-TJ-039A*	*S-10236-060298-TJ-039E*	*S-10236-060298-TJ-039B*	*S-10236-060298-TJ-040A*
Sample Depth:		*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
				Duplicate		
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-124-98*	*BH-125-98*	*BH-125-98*	*BH-125-98*	*BH-126-98*
Sample ID:		*S-10236-060298-TJ-038B*	*S-10236-060298-TJ-039A*	*S-10236-060298-TJ-039E*	*S-10236-060298-TJ-039B*	*S-10236-060298-TJ-040A*
Sample Depth:		*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
				Duplicate		
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-124-98*	*BH-125-98*	*BH-125-98*	*BH-125-98*	*BH-126-98*
Sample ID:		*S-10236-060298-TJ-038B*	*S-10236-060298-TJ-039A*	*S-10236-060298-TJ-039E*	*S-10236-060298-TJ-039B*	*S-10236-060298-TJ-040A*
Sample Depth:		*(3-6)*	*(0-3)*	*(0-3)*	*(3-6)*	*(0-3)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
				Duplicate		
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (870)	ND (18000)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (870)	ND (18000)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (870)	ND (18000)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (870)	ND (18000)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	2900	59000	ND (330)	430
Aroclor-1254	ug/Kg	ND (330)	1000	ND (18000)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (870)	ND (18000)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	3900	59000	ND (330)	430
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-126-98*	*BH-127-98*	*BH-127-98*	*BH-128-98*	*BH-128-98*
Sample ID:		*S-10236-060298-TJ-040B*	*S-10236-060298-TJ-041A*	*S-10236-060298-TJ-041B*	*S-10236-060298-TJ-042A*	*S-10236-060298-TJ-042B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-126-98*	*BH-127-98*	*BH-127-98*	*BH-128-98*	*BH-128-98*
Sample ID:		*S-10236-060298-TJ-040B*	*S-10236-060298-TJ-041A*	*S-10236-060298-TJ-041B*	*S-10236-060298-TJ-042A*	*S-10236-060298-TJ-042B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-126-98***	***BH-127-98***	***BH-127-98***	***BH-128-98***	***BH-128-98***
Sample ID:		***S-10236-060298-TJ-040B***	***S-10236-060298-TJ-041A***	***S-10236-060298-TJ-041B***	***S-10236-060298-TJ-042A***	***S-10236-060298-TJ-042B***
Sample Depth:		***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	25000	ND (330)	430000	910 J
Aroclor-1254	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (16000)	ND (330)	ND (170000)	ND (330)
Total PCBs	ug/Kg	ND (330)	25000	ND (330)	430000	910 J
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-129-98***	***BH-129-98***	***BH-129-98***	***BH-130-98***	***BH-130-98***
Sample ID:		***S-10236-060298-TJ-043A***	***S-10236-060298-TJ-043B***	***S-10236-060298-TJ-043E***	***S-10236-060298-TJ-044A***	***S-10236-060298-TJ-044B***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-129-98*	*BH-129-98*	*BH-129-98*	*BH-130-98*	*BH-130-98*
Sample ID:		*S-10236-060298-TJ-043A*	*S-10236-060298-TJ-043B*	*S-10236-060298-TJ-043E*	*S-10236-060298-TJ-044A*	*S-10236-060298-TJ-044B*
Sample Depth:		*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-129-98***	***BH-129-98***	***BH-129-98***	***BH-130-98***	***BH-130-98***
Sample ID:		***S-10236-060298-TJ-043A***	***S-10236-060298-TJ-043B***	***S-10236-060298-TJ-043E***	***S-10236-060298-TJ-044A***	***S-10236-060298-TJ-044B***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	4600	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	4600	ND (330)	ND (330)	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-131-98*	*BH-131-98*	*BH-132-98*	*BH-132-98*	*BH-132-98*
Sample ID:		*S-10236-060298-TJ-045A*	*S-10236-060298-TJ-045B*	*S-10236-060298-TJ-046A*	*S-10236-060298-TJ-046B*	*S-10236-060298-TJ-046E*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
						Duplicate
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-131-98*	*BH-131-98*	*BH-132-98*	*BH-132-98*	*BH-132-98*
Sample ID:		*S-10236-060298-TJ-045A*	*S-10236-060298-TJ-045B*	*S-10236-060298-TJ-046A*	*S-10236-060298-TJ-046B*	*S-10236-060298-TJ-046E*
Sample Depth:		*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*	*(3-6)*
Sample Date:		*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*	*6/2/1998*
						Duplicate
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-131-98***	***BH-131-98***	***BH-132-98***	***BH-132-98***	***BH-132-98***
Sample ID:		***S-10236-060298-TJ-045A***	***S-10236-060298-TJ-045B***	***S-10236-060298-TJ-046A***	***S-10236-060298-TJ-046B***	***S-10236-060298-TJ-046E***
Sample Depth:		***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***	***(3-6)***
Sample Date:		***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***	***6/2/1998***
						Duplicate
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	12000	ND (330)	28000	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (1900)	ND (330)	ND (2000)	ND (330)	ND (330)
Total PCBs	ug/Kg	12000	ND (330)	28000	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-133-98*	*BH-133-98*	*BH-133-98*	*BH-134-98*	*BH-134-98*
Sample ID:		*S-10236-060398-TJ-047A*	*S-10236-060398-TJ-047B*	*S-10236-060398-TJ-047C*	*S-10236-060398-TJ-048A*	*S-10236-060398-TJ-048B*
Sample Depth:		*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*	*(3-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-133-98*	*BH-133-98*	*BH-133-98*	*BH-134-98*	*BH-134-98*
Sample ID:		*S-10236-060398-TJ-047A*	*S-10236-060398-TJ-047B*	*S-10236-060398-TJ-047C*	*S-10236-060398-TJ-048A*	*S-10236-060398-TJ-048B*
Sample Depth:		*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*	*(3-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-133-98***	***BH-133-98***	***BH-133-98***	***BH-134-98***	***BH-134-98***
Sample ID:		***S-10236-060398-TJ-047A***	***S-10236-060398-TJ-047B***	***S-10236-060398-TJ-047C***	***S-10236-060398-TJ-048A***	***S-10236-060398-TJ-048B***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	ND (330)	ND (330)
Aroclor-1248	ug/Kg	200000	10000	ND (330) UJ	3500	ND (330)
Aroclor-1254	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	2200	ND (330)
Aroclor-1260	ug/Kg	ND (19000)	ND (1800)	ND (330) UJ	ND (330)	ND (330)
Total PCBs	ug/Kg	200000	10000	ND (330) UJ	5700	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-134-98*	*BH-135-98*	*BH-135-98*	*BH-136-98*	*BH-136-98*
Sample ID:		*S-10236-060398-TJ-048E*	*S-10236-060398-TJ-049A*	*S-10236-060398-TJ-049B*	*S-10236-060398-TJ-050A*	*S-10236-060398-TJ-050B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
		Duplicate				
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-134-98*	*BH-135-98*	*BH-135-98*	*BH-136-98*	*BH-136-98*
Sample ID:		*S-10236-060398-TJ-048E*	*S-10236-060398-TJ-049A*	*S-10236-060398-TJ-049B*	*S-10236-060398-TJ-050A*	*S-10236-060398-TJ-050B*
Sample Depth:		*(3-6)*	*(0-3)*	*(3-6)*	*(0-3)*	*(3-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
		Duplicate				
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-134-98***	***BH-135-98***	***BH-135-98***	***BH-136-98***	***BH-136-98***
Sample ID:		***S-10236-060398-TJ-048E***	***S-10236-060398-TJ-049A***	***S-10236-060398-TJ-049B***	***S-10236-060398-TJ-050A***	***S-10236-060398-TJ-050B***
Sample Depth:		***(3-6)***	***(0-3)***	***(3-6)***	***(0-3)***	***(3-6)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
		Duplicate				
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-137-98***	***BH-137-98***	***BH-137-98***	***BH-138A-98***	***BH-138A-98***
Sample ID:		***S-10236-060398-TJ-051A***	***S-10236-060398-TJ-051B***	***S-10236-060398-TJ-051E***	***S-10236-060398-TJ-052A***	***S-10236-060398-TJ-052B***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-137-98*	*BH-137-98*	*BH-137-98*	*BH-138A-98*	*BH-138A-98*
Sample ID:		*S-10236-060398-TJ-051A*	*S-10236-060398-TJ-051B*	*S-10236-060398-TJ-051E*	*S-10236-060398-TJ-052A*	*S-10236-060398-TJ-052B*
Sample Depth:		*(0-3)*	*(3-6)*	*(6-9)*	*(0-3)*	*(3-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/3/1998*
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-137-98***	***BH-137-98***	***BH-137-98***	***BH-138A-98***	***BH-138A-98***
Sample ID:		***S-10236-060398-TJ-051A***	***S-10236-060398-TJ-051B***	***S-10236-060398-TJ-051E***	***S-10236-060398-TJ-052A***	***S-10236-060398-TJ-052B***
Sample Depth:		***(0-3)***	***(3-6)***	***(6-9)***	***(0-3)***	***(3-6)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/3/1998***
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Total PCBs	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
pH Corrosivity	none	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-139-98*	*BH-139-98*	*BH-139-98*	*BH238-00*	*MW-101-98*
Sample ID:		*S-10236-060398-TJ-053A*	*S-10236-060398-TJ-053E*	*S-10236-060398-TJ-053B*	*S-12609-060100-DEN-05*	*S-10236-010598-FCE-003*
Sample Depth:		*(0-3)*	*(0-3)*	*(3-6)*		*(4-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/1/2000*	*1/5/1998*
			Duplicate			
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (10)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	ND (10)
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	ND (10)
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (10)
1,1-Dichloroethene	ug/Kg	-	-	-	-	ND (10)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (10)
1,2-Dichloroethane	ug/Kg	-	-	-	-	ND (10)
1,2-Dichloropropane	ug/Kg	-	-	-	-	ND (10)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (10)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (10)
2-Butanone	ug/Kg	-	-	-	-	ND (100)
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	ND (100)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (100)
Acetone	ug/Kg	-	-	-	-	ND (100)
Benzene	ug/Kg	-	-	-	-	ND (10)
Bromodichloromethane	ug/Kg	-	-	-	-	ND (10)
Bromoform	ug/Kg	-	-	-	-	ND (10)
Bromomethane	ug/Kg	-	-	-	-	ND (10)
Carbon disulfide	ug/Kg	-	-	-	-	ND (100)
Carbon tetrachloride	ug/Kg	-	-	-	-	ND (10)
Chlorobenzene	ug/Kg	-	-	-	-	ND (10)
Chloroethane	ug/Kg	-	-	-	-	ND (10)
Chloroform	ug/Kg	-	-	-	-	ND (10)
Chloromethane	ug/Kg	-	-	-	-	ND (10)
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (10)
Dibromochloromethane	ug/Kg	-	-	-	-	ND (10)
Ethylbenzene	ug/Kg	-	-	-	-	ND (10)
Methylene chloride	ug/Kg	-	-	-	-	ND (10)
Styrene	ug/Kg	-	-	-	-	ND (10)
Tetrachloroethene	ug/Kg	-	-	-	-	ND (10)
Toluene	ug/Kg	-	-	-	-	ND (10)
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (10)
Trichloroethene	ug/Kg	-	-	-	-	ND (10)
Vinyl acetate	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	ND (10)
Xylene (total)	ug/Kg	-	-	-	-	ND (30)
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	ND (400)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (400)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (400)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (400)
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	ND (1000)
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	ND (400)
2,4-Dichlorophenol	ug/Kg	-	-	-	-	ND (400)
2,4-Dimethylphenol	ug/Kg	-	-	-	-	ND (400)

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-139-98*	*BH-139-98*	*BH-139-98*	*BH238-00*	*MW-101-98*
Sample ID:		*S-10236-060398-TJ-053A*	*S-10236-060398-TJ-053E*	*S-10236-060398-TJ-053B*	*S-12609-060100-DEN-05*	*S-10236-010598-FCE-003*
Sample Depth:		*(0-3)*	*(0-3)*	*(3-6)*		*(4-6)*
Sample Date:		*6/3/1998*	*6/3/1998*	*6/3/1998*	*6/1/2000*	*1/5/1998*
			Duplicate			
Parameter	***Unit***					
2,4-Dinitrophenol	ug/Kg	-	-	-	-	ND (1000)
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	ND (400)
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	ND (400)
2-Chloronaphthalene	ug/Kg	-	-	-	-	ND (400)
2-Chlorophenol	ug/Kg	-	-	-	-	ND (400)
2-Methyl naphthalene	ug/Kg	-	-	-	-	ND (400)
2-Methylphenol	ug/Kg	-	-	-	-	ND (400)
2-Nitroaniline	ug/Kg	-	-	-	-	ND (1000)
2-Nitrophenol	ug/Kg	-	-	-	-	ND (400)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	ND (400)
3-Nitroaniline	ug/Kg	-	-	-	-	ND (1000)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	ND (1000)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	ND (400)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	ND (400)
4-Chloroaniline	ug/Kg	-	-	-	-	ND (400)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	ND (400)
4-Methylphenol	ug/Kg	-	-	-	-	ND (400)
4-Nitroaniline	ug/Kg	-	-	-	-	ND (1000)
4-Nitrophenol	ug/Kg	-	-	-	-	ND (1000)
Acenaphthene	ug/Kg	-	-	-	-	ND (400)
Acenaphthylene	ug/Kg	-	-	-	-	ND (400)
Anthracene	ug/Kg	-	-	-	-	ND (400)
Benzo(a)anthracene	ug/Kg	-	-	-	-	ND (400)
Benzo(a)pyrene	ug/Kg	-	-	-	-	ND (400)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	ND (400)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	ND (400)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	ND (400)
Benzoic acid	ug/Kg	-	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	ND (400)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	ND (400)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	ND (400)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	ND (400)
Butyl benzylphthalate	ug/Kg	-	-	-	-	ND (400)
Carbazole	ug/Kg	-	-	-	-	ND (400)
Chrysene	ug/Kg	-	-	-	-	ND (400)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	ND (400)
Dibenzofuran	ug/Kg	-	-	-	-	ND (400)
Diethyl phthalate	ug/Kg	-	-	-	-	ND (400)
Dimethyl phthalate	ug/Kg	-	-	-	-	ND (400)
Di-n-butylphthalate	ug/Kg	-	-	-	-	ND (400)
Di-n-octyl phthalate	ug/Kg	-	-	-	-	ND (400)
Fluoranthene	ug/Kg	-	-	-	-	ND (400)
Fluorene	ug/Kg	-	-	-	-	ND (400)
Hexachlorobenzene	ug/Kg	-	-	-	-	ND (400)
Hexachlorobutadiene	ug/Kg	-	-	-	-	ND (400)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	ND (400)
Hexachloroethane	ug/Kg	-	-	-	-	ND (400)

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-139-98***	***BH-139-98***	***BH-139-98***	***BH238-00***	***MW-101-98***
Sample ID:		***S-10236-060398-TJ-053A***	***S-10236-060398-TJ-053E***	***S-10236-060398-TJ-053B***	***S-12609-060100-DEN-05***	***S-10236-010598-FCE-003***
Sample Depth:		***(0-3)***	***(0-3)***	***(3-6)***		***(4-6)***
Sample Date:		***6/3/1998***	***6/3/1998***	***6/3/1998***	***6/1/2000***	***1/5/1998***
			Duplicate			
Parameter	***Unit***					
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	ND (400)
Isophorone	ug/Kg	-	-	-	-	ND (400)
Naphthalene	ug/Kg	-	-	-	-	ND (400)
Nitrobenzene	ug/Kg	-	-	-	-	ND (400)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	ND (400)
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	ND (400)
Pentachlorophenol	ug/Kg	-	-	-	-	ND (1000)
Phenanthrene	ug/Kg	-	-	-	-	ND (400)
Phenol	ug/Kg	-	-	-	-	ND (400)
Pyrene	ug/Kg	-	-	-	-	ND (400)
PCBs						
Aroclor-1016	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Aroclor-1221	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Aroclor-1232	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Aroclor-1242	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Aroclor-1248	ug/Kg	110000	22000	ND (330)	71	ND (330)
Aroclor-1254	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Aroclor-1260	ug/Kg	ND (18000)	ND (1800)	ND (330)	ND (36)	ND (330)
Total PCBs	ug/Kg	110000	22000	ND (330)	-	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	-	2700
Antimony	mg/Kg	-	-	-	-	R
Arsenic	mg/Kg	-	-	-	-	2.2 J
Barium	mg/Kg	-	-	-	-	47 J
Beryllium	mg/Kg	-	-	-	-	0.31 J
Cadmium	mg/Kg	-	-	-	-	0.43
Calcium	mg/Kg	-	-	-	-	3000 J
Chromium	mg/Kg	-	-	-	-	4
Cobalt	mg/Kg	-	-	-	-	2.6 J
Copper	mg/Kg	-	-	-	-	7.6 J
Iron	mg/Kg	-	-	-	-	3300
Lead	mg/Kg	-	-	-	-	7.4
Magnesium	mg/Kg	-	-	-	-	670 J
Manganese	mg/Kg	-	-	-	-	100
Mercury	mg/Kg	-	-	-	-	ND (0.1)
Nickel	mg/Kg	-	-	-	-	3.9
Potassium	mg/Kg	-	-	-	-	110
Selenium	mg/Kg	-	-	-	-	ND (0.5) UJ
Silver	mg/Kg	-	-	-	-	ND (0.5) UJ
Sodium	mg/Kg	-	-	-	-	19
Thallium	mg/Kg	-	-	-	-	ND (0.5)
Vanadium	mg/Kg	-	-	-	-	6.2
Zinc	mg/Kg	-	-	-	-	52 J
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	ND (0.2)
pH Corrosivity	none	-	-	-	9.0	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-102-98*	*MW-103-98*	*MW-117-99*	*MW-117-99*
Sample ID:		*S-10236-010998-FCE-008*	*S-10236-010998-FCE-009*	*S-12609-081999-DN-19*	*S-12609-081999-DN-20*
Sample Depth:		*(0.2-4)*	*(0-2.5)*	*(6-8)*	*(8-10)*
Sample Date:		*1/9/1998*	*1/9/1998*	*8/19/1999*	*8/19/1999*
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-
2-Hexanone	ug/Kg	ND (100)	ND (100)	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	-	-
Acetone	ug/Kg	ND (100)	ND (100)	-	-
Benzene	ug/Kg	ND (10)	ND (10)	-	-
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	-	-
Bromoform	ug/Kg	ND (10)	ND (10)	-	-
Bromomethane	ug/Kg	ND (10)	ND (10)	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	-	-
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	-	-
Chlorobenzene	ug/Kg	ND (10)	ND (10)	-	-
Chloroethane	ug/Kg	ND (10)	ND (10)	-	-
Chloroform	ug/Kg	ND (10)	ND (10)	-	-
Chloromethane	ug/Kg	ND (10)	ND (10)	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	-	-
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	-	-
Ethylbenzene	ug/Kg	ND (10)	ND (10)	-	-
Methylene chloride	ug/Kg	14 U	11 U	-	-
Styrene	ug/Kg	ND (10)	ND (10)	-	-
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	-	-
Toluene	ug/Kg	ND (10)	ND (10)	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	-	-
Trichloroethene	ug/Kg	16	ND (10)	-	-
Vinyl acetate	ug/Kg	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (10)	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	-	-
Semi - Volatiles					
1,2,4-Trichlorobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
1,2-Dichlorobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
1,3-Dichlorobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
1,4-Dichlorobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
1-Methyl naphthalene	ug/Kg	-	-	ND (410)	ND (390)
2,4,5-Trichlorophenol	ug/Kg	ND (3700)	ND (3500)	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (1500)	ND (1400)	-	-
2,4-Dichlorophenol	ug/Kg	ND (1500)	ND (1400)	-	-
2,4-Dimethylphenol	ug/Kg	ND (1500)	ND (1400)	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-102-98*	*MW-103-98*	*MW-117-99*	*MW-117-99*
Sample ID:		*S-10236-010998-FCE-008*	*S-10236-010998-FCE-009*	*S-12609-081999-DN-19*	*S-12609-081999-DN-20*
Sample Depth:		*(0.2-4)*	*(0-2.5)*	*(6-8)*	*(8-10)*
Sample Date:		*1/9/1998*	*1/9/1998*	*8/19/1999*	*8/19/1999*
Parameter	***Unit***				
2,4-Dinitrophenol	ug/Kg	ND (3700) UJ	ND (3500)	-	-
2,4-Dinitrotoluene	ug/Kg	ND (1500)	ND (1400)	-	-
2,6-Dinitrotoluene	ug/Kg	ND (1500)	ND (1400)	-	-
2-Chloronaphthalene	ug/Kg	ND (1500)	ND (1400)	-	-
2-Chlorophenol	ug/Kg	ND (1500)	ND (1400)	-	-
2-Methyl naphthalene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
2-Methylphenol	ug/Kg	ND (1500)	ND (1400)	-	-
2-Nitroaniline	ug/Kg	ND (3700)	ND (3500)	-	-
2-Nitrophenol	ug/Kg	ND (1500)	ND (1400)	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1500)	ND (1400)	-	-
3-Nitroaniline	ug/Kg	ND (3700)	ND (3500)	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (3700)	ND (3500)	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (1500)	ND (1400)	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (1500)	ND (1400)	-	-
4-Chloroaniline	ug/Kg	ND (1500)	ND (1400)	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (1500)	ND (1400)	-	-
4-Methylphenol	ug/Kg	ND (1500)	ND (1400)	-	-
4-Nitroaniline	ug/Kg	ND (3700)	ND (3500)	-	-
4-Nitrophenol	ug/Kg	ND (3700)	ND (3500)	-	-
Acenaphthene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Acenaphthylene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Anthracene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Benzo(a)anthracene	ug/Kg	ND (1500)	2300	ND (410)	ND (390)
Benzo(a)pyrene	ug/Kg	ND (1500)	2700	ND (410)	ND (390)
Benzo(b)fluoranthene	ug/Kg	1500	3500	ND (410)	ND (390)
Benzo(g,h,i)perylene	ug/Kg	ND (1500)	2100	ND (410)	ND (390)
Benzo(k)fluoranthene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Benzoic acid	ug/Kg	-	-	-	-
Benzyl Alcohol	ug/Kg	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (1500)	ND (1400)	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (1500)	ND (1400)	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (1500)	ND (1400)	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Butyl benzylphthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Carbazole	ug/Kg	ND (1500)	ND (1400)	-	-
Chrysene	ug/Kg	1800	2900	ND (410)	ND (390)
Dibenz(a,h)anthracene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Dibenzofuran	ug/Kg	ND (1500)	ND (1400)	-	-
Diethyl phthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Dimethyl phthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Di-n-butylphthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Di-n-octyl phthalate	ug/Kg	ND (1500)	ND (1400)	-	-
Fluoranthene	ug/Kg	ND (1500)	3600	ND (410)	ND (390)
Fluorene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Hexachlorobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
Hexachlorobutadiene	ug/Kg	ND (1500)	ND (1400)	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (1500)	ND (1400)	-	-
Hexachloroethane	ug/Kg	ND (1500)	ND (1400)	-	-

TABLE C.6.1

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-102-98***	***MW-103-98***	***MW-117-99***	***MW-117-99***
Sample ID:		***S-10236-010998-FCE-008***	***S-10236-010998-FCE-009***	***S-12609-081999-DN-19***	***S-12609-081999-DN-20***
Sample Depth:		***(0.2-4)***	***(0-2.5)***	***(6-8)***	***(8-10)***
Sample Date:		***1/9/1998***	***1/9/1998***	***8/19/1999***	***8/19/1999***
Parameter	***Unit***				
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (1500)	1400	ND (410)	ND (390)
Isophorone	ug/Kg	ND (1500)	ND (1400)	-	-
Naphthalene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Nitrobenzene	ug/Kg	ND (1500)	ND (1400)	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (1500)	ND (1400)	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (1500)	ND (1400)	-	-
Pentachlorophenol	ug/Kg	ND (3700) UJ	ND (3500)	-	-
Phenanthrene	ug/Kg	ND (1500)	ND (1400)	ND (410)	ND (390)
Phenol	ug/Kg	ND (1500)	ND (1400)	-	-
Pyrene	ug/Kg	2500	3400	ND (410)	ND (390)
PCBs					
Aroclor-1016	ug/Kg	ND (270000)	ND (330)	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (270000)	ND (330)	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (270000)	ND (330)	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (270000)	ND (330)	ND (41)	ND (39)
Aroclor-1248	ug/Kg	5900000	7000	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (270000)	3600	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (270000)	ND (330)	ND (41)	ND (39)
Total PCBs	ug/Kg	5900000	10600	-	-
Metals					
Aluminum	mg/Kg	20000 J	60000 J	-	-
Antimony	mg/Kg	6.5 J	8.6 J	-	-
Arsenic	mg/Kg	4.7 J	2.5 J	-	-
Barium	mg/Kg	490 J	140 J	-	-
Beryllium	mg/Kg	0.64	ND (0.3)	-	-
Cadmium	mg/Kg	43	18	-	-
Calcium	mg/Kg	20000 J	8300 J	-	-
Chromium	mg/Kg	450	210	-	-
Cobalt	mg/Kg	30	22	-	-
Copper	mg/Kg	910	2700	-	-
Iron	mg/Kg	300000	100000	-	-
Lead	mg/Kg	970 J	340 J	-	-
Magnesium	mg/Kg	5700 J	3100 J	-	-
Manganese	mg/Kg	3600	2800	-	-
Mercury	mg/Kg	0.22	ND (0.1)	-	-
Nickel	mg/Kg	340	180	-	-
Potassium	mg/Kg	580 J	320 J	-	-
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	-	-
Silver	mg/Kg	2.3 J	4.5 J	-	-
Sodium	mg/Kg	510 J	160 J	-	-
Thallium	mg/Kg	8.5	6.2	-	-
Vanadium	mg/Kg	41 J	28 J	-	-
Zinc	mg/Kg	1400	2300	-	-
General Chemistry					
Cyanide (total)	mg/Kg	0.77	0.24	-	-
pH Corrosivity	none	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	ND (13)	ND (12)

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-101-98*	*MW-101-98*	*MW-101-98*
Sample ID:			*GW-10236-021798-SM-011*	*W-12609-111999-DEN-03*	*W-12609-021000-DEN-06*	*GW-10236-021698-SM-004*	*W-12609-111899-DEN-01*	*W-12609-021000-DEN-03*
Sample Date:		*8/27/1997*	*2/17/1998*	*11/19/1999*	*2/10/2000*	*2/16/1998*	*11/18/1999*	*2/10/2000*
Parameter	***Unit***							
Volatiles								
1,1,1-Trichloroethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
1,1,2,2-Tetrachloroethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
1,1,2-Trichloroethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
1,1-Dichloroethane	ug/L	-	ND (1.0)	0.13 J	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
1,1-Dichloroethene	ug/L	-	ND (1.0)	0.13 J	ND (5.0)	ND (2.0)	1.2 J	ND (7.1)
1,2-Dichlorobenzene	ug/L	-	ND (1.0)	-	-	ND (2.0)	-	-
1,2-Dichloroethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
1,2-Dichloroethene (total)	ug/L	-	18	-	-	96	-	-
1,2-Dichloropropane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	6.3	19	14
1,3-Dichlorobenzene	ug/L	-	ND (1.0)	-	-	ND (2.0)	-	-
1,4-Dichlorobenzene	ug/L	-	ND (1.0)	-	-	ND (2.0)	-	-
2-Butanone	ug/L	-	ND (50)	ND (10)	-	ND (50)	ND (83)	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	ND (5.0)	-	-	ND (7.1)
2-Hexanone	ug/L	-	ND (50)	ND (10)	-	ND (50)	ND (83)	-
4-Methyl-2-pentanone	ug/L	-	ND (50)	ND (10)	-	ND (50)	ND (83)	-
Acetone	ug/L	-	ND (100)	ND (10)	-	ND (100)	ND (83) U	-
Acrolein	ug/L	-	-	-	ND (100)	-	-	ND (140)
Acrylonitrile	ug/L	-	-	-	ND (100)	-	-	ND (140)
Benzene	ug/L	-	ND (5.0)	ND (1.0)	ND (5.0)	ND (10)	ND (8.3)	ND (7.1)
Bromodichloromethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Bromoform	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Bromomethane	ug/L	-	ND (1.0)	ND (2.0)	ND (10)	ND (2.0)	ND (17)	ND (14)
Carbon disulfide	ug/L	-	ND (50)	ND (1.0)	-	ND (50)	ND (8.3)	-
Carbon tetrachloride	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Chlorobenzene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Chloroethane	ug/L	-	ND (1.0)	ND (2.0)	ND (10)	ND (2.0)	ND (17)	ND (14)
Chloroform	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Chloromethane	ug/L	-	ND (1.0)	ND (2.0)	ND (10)	ND (2.0)	ND (17)	ND (14)
cis-1,2-Dichloroethene	ug/L	-	-	16	-	-	280	-
cis-1,3-Dichloropropene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Dibromochloromethane	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	-	-	-	-	-
Ethylbenzene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Methylene chloride	ug/L	-	ND (5.0)	ND (1.0)	ND (10)	ND (10)	ND (8.3)	ND (14)
Styrene	ug/L	-	ND (1.0)	ND (1.0)	-	ND (2.0)	ND (8.3)	-
Tetrachloroethene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Toluene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
trans-1,2-Dichloroethene	ug/L	-	-	0.26 J	ND (2.5)	-	3.3 J	3.5 J
trans-1,3-Dichloropropene	ug/L	-	ND (1.0)	ND (1.0)	ND (5.0)	ND (2.0)	ND (8.3)	ND (7.1)
Trichloroethene	ug/L	-	9.2	6.8	3.9 J	69	180	160
Trichlorofluoromethane (CFC-11)	ug/L	-	-	-	-	-	-	-
Vinyl acetate	ug/L	-	-	-	-	-	-	-
Vinyl chloride	ug/L	-	ND (1.0)	0.30 J	ND (10)	12	26	25
Xylene (total)	ug/L	-	ND (3.0)	ND (1.0)	-	ND (6.0)	ND (8.3)	-
Semi - Volatiles								
1,2,4-Trichlorobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
1,2-Dichlorobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
1,2-Diphenylhydrazine	ug/L	-	-	-	-	-	-	ND (10)

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-101-98*	*MW-101-98*	*MW-101-98*
Sample ID:			*GW-10236-021798-SM-011*	*W-12609-111999-DEN-03*	*W-12609-021000-DEN-06*	*GW-10236-021698-SM-004*	*W-12609-111899-DEN-01*	*W-12609-021000-DEN-03*
Sample Date:		*8/27/1997*	*2/17/1998*	*11/19/1999*	*2/10/2000*	*2/16/1998*	*11/18/1999*	*2/10/2000*
Parameter	***Unit***							
1,3-Dichlorobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
1-Methyl naphthalene	ug/L	-	-	-	-	-	-	-
2,3-Dichlorophenol	ug/L	-	-	-	-	-	-	ND (10)
2,4,5-Trichlorophenol	ug/L	-	ND (25)	-	-	ND (25)	ND (10)	-
2,4,6-Trichlorophenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2,4-Dichlorophenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2,4-Dimethylphenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2,4-Dinitrophenol	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	ND (50)
2,4-Dinitrotoluene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2,6-Dinitrotoluene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2-Chloronaphthalene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2-Chlorophenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
2-Methyl naphthalene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
2-Methylphenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
2-Nitroaniline	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	-
2-Nitrophenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
3,3'-Dichlorobenzidine	ug/L	-	ND (10)	-	-	ND (10)	ND (50)	ND (10)
3-Nitroaniline	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	-
4,6-Dinitro-2-methylphenol	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	ND (50)
4-Bromophenyl phenyl ether	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
4-Chloro-3-methylphenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
4-Chloroaniline	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
4-Chlorophenyl phenyl ether	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
4-Methylphenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
4-Nitroaniline	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	-
4-Nitrophenol	ug/L	-	ND (25)	-	-	ND (25)	ND (50)	ND (50)
Acenaphthene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Acenaphthylene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Anthracene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Benzidine	ug/L	-	-	-	-	-	-	ND (100)
Benzo(a)anthracene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Benzo(b)fluoranthene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Benzo(k)fluoranthene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
bis(2-Chloroethyl)ether	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
bis(2-Chloroisopropyl)ether	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
bis(2-Ethylhexyl)phthalate	ug/L	-	18	-	-	ND (10)	ND (10)	13
Butyl benzylphthalate	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Carbazole	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
Chlordane	ug/L	-	ND (0.050)	-	-	ND (0.050)	-	-
Chrysene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Dibenz(a,h)anthracene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Dibenzofuran	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	-
Diethyl phthalate	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Dimethyl phthalate	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	R

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-101-98*	*MW-101-98*	*MW-101-98*
Sample ID:			*GW-10236-021798-SM-011*	*W-12609-111999-DEN-03*	*W-12609-021000-DEN-06*	*GW-10236-021698-SM-004*	*W-12609-111899-DEN-01*	*W-12609-021000-DEN-03*
Sample Date:		*8/27/1997*	*2/17/1998*	*11/19/1999*	*2/10/2000*	*2/16/1998*	*11/18/1999*	*2/10/2000*
Parameter	***Unit***							
Di-n-butylphthalate	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Di-n-octyl phthalate	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Fluoranthene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Fluorene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Hexachlorobutadiene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Hexachlorocyclopentadiene	ug/L	-	ND (10)	-	-	ND (10)	ND (50)	ND (10)
Hexachloroethane	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Indeno(1,2,3-cd)pyrene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Isophorone	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Naphthalene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Nitrobenzene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
N-Nitrosodimethylamine	ug/L	-	-	-	-	-	-	ND (10)
N-Nitrosodi-n-propylamine	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
N-Nitrosodiphenylamine	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Pentachlorophenol	ug/L	-	ND (25)	-	-	ND (25)	ND (10)	ND (10)
Phenanthrene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Phenol	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
Pyrene	ug/L	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)
PCBs								
Aroclor-1016	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (0.50)	ND (0.40)	ND (1.0)	-	ND (0.40)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (0.50)	ND (0.20)	ND (1.0)	-	ND (0.20)	ND (1.0)	ND (1.0)
Aroclor 1016, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1221, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1232, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1242, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1248, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1254, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Aroclor 1260, dissolved	ug/L	-	-	-	-	-	-	ND (1.0)
Pesticides								
4,4-DDD	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
4,4-DDE	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
4,4-DDT	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
Aldrin	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
alpha-BHC	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
alpha-Chlordane	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	-
beta-BHC	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-101-98*	*MW-101-98*	*MW-101-98*
Sample ID:			*GW-10236-021798-SM-011*	*W-12609-111999-DEN-03*	*W-12609-021000-DEN-06*	*GW-10236-021698-SM-004*	*W-12609-111899-DEN-01*	*W-12609-021000-DEN-03*
Sample Date:		*8/27/1997*	*2/17/1998*	*11/19/1999*	*2/10/2000*	*2/16/1998*	*11/18/1999*	*2/10/2000*
Parameter	***Unit***							
Chlordane	ug/L	-	-	-	-	-	-	ND (0.50)
delta-BHC	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
Dieldrin	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
Endosulfan I	ug/L	-	ND (0.050)	-	-	ND (0.050)	-	ND (0.050)
Endosulfan II	ug/L	-	ND (0.050)	-	-	ND (0.050)	-	ND (0.050)
Endosulfan sulfate	ug/L	-	ND (0.050)	-	-	ND (0.050)	-	ND (0.050)
Endrin aldehyde	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
Endrin ketone	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	-
Endrin	ug/L	-	ND (0.020)	-	-	ND (0.020)	-	ND (0.050)
gamma-BHC (Lindane)	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
gamma-Chlordane	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	-
Heptachlor epoxide	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
Heptachlor	ug/L	-	ND (0.010)	-	-	ND (0.010)	-	ND (0.050)
Methoxychlor	ug/L	-	ND (0.50)	-	-	ND (0.50)	-	-
Toxaphene	ug/L	-	ND (1.0)	-	-	ND (1.0)	-	ND (2.0)
Metals								
Aluminum (Dissolved)	mg/L	-	ND (0.1)	-	-	ND (0.1)	-	-
Aluminum	mg/L	-	ND (0.1)	-	-	ND (0.1)	ND (0.20)	-
Antimony (Dissolved)	mg/L	-	ND (0.005)	-	-	ND (0.005)	-	-
Antimony	mg/L	-	ND (0.005)	-	-	ND (0.005)	ND (0.060)	-
Arsenic (Dissolved)	mg/L	-	ND (0.005)	-	-	-	-	ND (0.010)
Arsenic	mg/L	-	ND (0.005)	-	-	ND (0.005)	ND (0.010)	0.011
Barium (Dissolved)	mg/L	-	ND (0.2)	-	-	-	-	ND (0.20)
Barium	mg/L	-	ND (0.2)	-	-	ND (0.2)	0.2	0.24
Beryllium (Dissolved)	mg/L	-	ND (0.001)	-	-	ND (0.001)	-	-
Beryllium	mg/L	-	ND (0.001)	-	-	ND (0.001)	ND (0.0050)	-
Cadmium (Dissolved)	mg/L	-	ND (0.0005)	-	-	-	-	ND (0.0050)
Cadmium	mg/L	-	ND (0.0005)	-	-	ND (0.0005)	ND (0.0050)	ND (0.0050)
Calcium (Dissolved)	mg/L	-	110	-	-	-	-	-
Calcium	mg/L	-	110	-	-	150	149	-
Chromium (Dissolved)	mg/L	-	ND (0.05)	-	-	-	-	ND (0.010)
Chromium	mg/L	-	ND (0.05)	-	-	ND (0.05)	ND (0.010)	0.016
Cobalt (Dissolved)	mg/L	-	ND (0.01)	-	-	ND (0.01)	-	-
Cobalt	mg/L	-	ND (0.01)	-	-	ND (0.01)	ND (0.050)	-
Copper (Dissolved)	mg/L	-	ND (0.025)	-	-	-	-	-
Copper	mg/L	-	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-
Iron (Dissolved)	mg/L	-	0.89	-	-	-	-	0.24
Iron	mg/L	-	ND (0.1)	-	-	ND (0.1)	ND (0.10) U	14.2
Lead (Dissolved)	mg/L	-	ND (0.003)	-	-	-	-	ND (0.0030)
Lead	mg/L	-	ND (0.003)	-	-	ND (0.003)	ND (0.0030)	0.0067
Magnesium (Dissolved)	mg/L	-	94	-	-	-	-	-
Magnesium	mg/L	-	94	-	-	39	38.6	-
Manganese (Dissolved)	mg/L	-	1.2	-	-	-	-	-

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***MW-1***	***MW-1***	***MW-1***	***MW-1***	***MW-101-98***	***MW-101-98***	***MW-101-98***
Sample ID:			***GW-10236-021798-SM-011***	***W-12609-111999-DEN-03***	***W-12609-021000-DEN-06***	***GW-10236-021698-SM-004***	***W-12609-111899-DEN-01***	***W-12609-021000-DEN-03***
Sample Date:		***8/27/1997***	***2/17/1998***	***11/19/1999***	***2/10/2000***	***2/16/1998***	***11/18/1999***	***2/10/2000***
Parameter	***Unit***							
Manganese	mg/L	-	1.2	-	-	0.13	1.3	-
Mercury (Dissolved)	mg/L	-	0.00068	-	-	-	-	ND (0.00020)
Mercury	mg/L	-	0.00068	-	-	0.0005	ND (0.00020)	ND (0.00020)
Nickel (Dissolved)	mg/L	-	ND (0.05)	-	-	ND (0.05)	-	-
Nickel	mg/L	-	ND (0.05)	-	-	ND (0.05)	ND (0.040)	-
Potassium (Dissolved)	mg/L	-	20	-	-	-	-	-
Potassium	mg/L	-	20	-	-	1.6	ND (5.0)	-
Selenium (Dissolved)	mg/L	-	ND (0.005)	-	-	-	-	ND (0.0050)
Selenium	mg/L	-	ND (0.005)	-	-	ND (0.005)	ND (0.0050)	ND (0.0050)
Silver (Dissolved)	mg/L	-	ND (0.0005)	-	-	-	-	ND (0.010)
Silver	mg/L	-	ND (0.0005)	-	-	ND (0.0005) UJ	ND (0.010)	ND (0.010)
Sodium (Dissolved)	mg/L	-	62	-	-	17	-	-
Sodium	mg/L	-	62	-	-	17	20.9	-
Thallium (Dissolved)	mg/L	-	ND (0.002)	-	-	ND (0.002)	-	-
Thallium	mg/L	-	ND (0.002)	-	-	ND (0.002)	ND (0.010)	-
Vanadium (Dissolved)	mg/L	-	ND (0.02)	-	-	ND (0.02)	-	-
Vanadium	mg/L	-	ND (0.02)	-	-	ND (0.02)	ND (0.050)	-
Zinc (Dissolved)	mg/L	-	0.02	-	-	-	-	-
Zinc	mg/L	-	0.02	-	-	ND (0.02)	ND (0.050)	-
Dioxin Furans								
Total Tetrachlorodibenzo-p-dioxin (TCDD)	ug/L	-	-	-	-	-	-	-
General Chemistry								
Alkalinity (Filtered)	mg/L	-	-	-	-	-	-	450
Alkalinity, Total (As CaCO3)	mg/L	-	-	-	-	-	410	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	-	-	ND (2)
Carbonate Alkalinity	mg/L	-	-	-	-	-	ND (5.0)	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	17
Chloride	mg/L	-	-	-	-	-	7.0	-
Cyanide (total)	mg/L	-	ND (0.010)	-	-	ND (0.010)	-	-
Nitrate (as N)	mg/L	-	-	-	-	-	ND (1.0)	-
Nitrite (as N)	mg/L	-	-	-	-	-	ND (1.0)	-
Sulfate	mg/L	-	-	-	-	-	115	-
Total Organic Carbon (TOC)	mg/L	-	-	-	11	-	-	5
Total Suspended Solids (TSS)	mg/L	-	-	-	-	-	-	500
Volatile Suspended Solids	mg/L	-	-	-	-	-	-	42 J
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	ND (1)	-	-	ND (1)	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-102-98*	*MW-103-98*	*MW-103-98*	*MW-117-99*	*MW-117-99*
Sample ID:		*GW-10236-021698-SM-002*	*GW-10236-021698-SM-003*	*W-12609-111999-DEN-04*	*W-12609-091599-DN-15*	*W-12609-091599-DN-16*
Sample Date:		*2/16/1998*	*2/16/1998*	*11/19/1999*	*9/15/1999*	*9/15/1999*
						Duplicate
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,1,2,2-Tetrachloroethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,1,2-Trichloroethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,1-Dichloroethane	ug/L	ND (25)	ND (1.0)	0.12 J	-	-
1,1-Dichloroethene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,2-Dichlorobenzene	ug/L	ND (25)	ND (1.0)	-	-	-
1,2-Dichloroethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,2-Dichloroethene (total)	ug/L	1200	2.3	-	-	-
1,2-Dichloropropane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
1,3-Dichlorobenzene	ug/L	ND (25)	ND (1.0)	-	-	-
1,4-Dichlorobenzene	ug/L	ND (25)	ND (1.0)	-	-	-
2-Butanone	ug/L	ND (250)	ND (50)	ND (10)	-	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Hexanone	ug/L	ND (250)	ND (50)	ND (10)	-	-
4-Methyl-2-pentanone	ug/L	ND (250)	ND (50)	ND (10)	-	-
Acetone	ug/L	ND (250)	ND (100)	ND (13) U	-	-
Acrolein	ug/L	-	-	-	-	-
Acrylonitrile	ug/L	-	-	-	-	-
Benzene	ug/L	ND (120)	ND (5.0)	0.16 J	-	-
Bromodichloromethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Bromoform	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Bromomethane	ug/L	ND (25)	ND (1.0)	ND (2.0)	-	-
Carbon disulfide	ug/L	ND (120)	ND (50)	5.3	-	-
Carbon tetrachloride	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Chlorobenzene	ug/L	ND (25)	2.2	1.1	-	-
Chloroethane	ug/L	ND (25)	ND (1.0)	ND (2.0)	-	-
Chloroform	ug/L	ND (25)	ND (1.0)	ND (1.0) U	-	-
Chloromethane	ug/L	ND (25)	ND (1.0)	ND (2.0)	-	-
cis-1,2-Dichloroethene	ug/L	-	-	0.22 J	-	-
cis-1,3-Dichloropropene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Dibromochloromethane	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	-	-	-
Ethylbenzene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Methylene chloride	ug/L	ND (120)	ND (5.0)	ND (1.0)	-	-
Styrene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Tetrachloroethene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Toluene	ug/L	ND (25)	ND (1.0)	ND (1.0) U	-	-
trans-1,2-Dichloroethene	ug/L	-	-	ND (0.50)	-	-
trans-1,3-Dichloropropene	ug/L	ND (25)	ND (1.0)	ND (1.0)	-	-
Trichloroethene	ug/L	67	1.6	0.37 J	-	-
Trichlorofluoromethane (CFC-11)	ug/L	-	-	-	-	-
Vinyl acetate	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	110	ND (1.0)	0.20 J	-	-
Xylene (total)	ug/L	ND (75)	ND (1.3)	ND (1.0)	-	-
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/L	ND (10)	ND (10)	-	-	-
1,2-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	-	-
1,2-Diphenylhydrazine	ug/L	-	-	-	-	-

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-102-98*	*MW-103-98*	*MW-103-98*	*MW-117-99*	*MW-117-99*
Sample ID:		*GW-10236-021698-SM-002*	*GW-10236-021698-SM-003*	*W-12609-111999-DEN-04*	*W-12609-091599-DN-15*	*W-12609-091599-DN-16*
Sample Date:		*2/16/1998*	*2/16/1998*	*11/19/1999*	*9/15/1999*	*9/15/1999*
						Duplicate
Parameter	***Unit***					
1,3-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	-	-
1,4-Dichlorobenzene	ug/L	ND (10)	ND (10)	-	-	-
1-Methyl naphthalene	ug/L	-	-	-	ND (10)	ND (10)
2,3-Dichlorophenol	ug/L	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	ND (25)	ND (25)	-	-	-
2,4,6-Trichlorophenol	ug/L	ND (10)	ND (10)	-	-	-
2,4-Dichlorophenol	ug/L	ND (10)	ND (10)	-	-	-
2,4-Dimethylphenol	ug/L	ND (10)	ND (10)	-	-	-
2,4-Dinitrophenol	ug/L	ND (25)	ND (25)	-	-	-
2,4-Dinitrotoluene	ug/L	ND (10)	ND (10)	-	-	-
2,6-Dinitrotoluene	ug/L	ND (10)	ND (10)	-	-	-
2-Chloronaphthalene	ug/L	ND (10)	ND (10)	-	-	-
2-Chlorophenol	ug/L	ND (10)	ND (10)	-	-	-
2-Methyl naphthalene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
2-Methylphenol	ug/L	ND (10)	ND (10)	-	-	-
2-Nitroaniline	ug/L	ND (25)	ND (25)	-	-	-
2-Nitrophenol	ug/L	ND (10)	ND (10)	-	-	-
3,3'-Dichlorobenzidine	ug/L	ND (10)	ND (10)	-	-	-
3-Nitroaniline	ug/L	ND (25)	ND (25)	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	ND (25)	ND (25)	-	-	-
4-Bromophenyl phenyl ether	ug/L	ND (10)	ND (10)	-	-	-
4-Chloro-3-methylphenol	ug/L	ND (10)	ND (10)	-	-	-
4-Chloroaniline	ug/L	ND (10)	ND (10)	-	-	-
4-Chlorophenyl phenyl ether	ug/L	ND (10)	ND (10)	-	-	-
4-Methylphenol	ug/L	ND (10)	ND (10)	-	-	-
4-Nitroaniline	ug/L	ND (25)	ND (25)	-	-	-
4-Nitrophenol	ug/L	ND (25)	ND (25)	-	-	-
Acenaphthene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Acenaphthylene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Anthracene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Benzidine	ug/L	-	-	-	-	-
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Benzo(b)fluoranthene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Benzo(k)fluoranthene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	ND (10)	ND (10)	-	-	-
bis(2-Chloroethyl)ether	ug/L	ND (10)	ND (10)	-	-	-
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	ND (10)	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	ND (10)	ND (10)	-	-	-
Butyl benzylphthalate	ug/L	ND (10)	ND (10)	-	-	-
Carbazole	ug/L	ND (10)	ND (10)	-	-	-
Chlordane	ug/L	ND (0.050)	ND (0.050)	-	-	-
Chrysene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Dibenz(a,h)anthracene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Dibenzofuran	ug/L	ND (10)	ND (10)	-	-	-
Diethyl phthalate	ug/L	ND (10)	ND (10)	-	-	-
Dimethyl phthalate	ug/L	ND (10)	ND (10)	-	-	-

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		***MW-102-98***	***MW-103-98***	***MW-103-98***	***MW-117-99***	***MW-117-99***
Sample ID:		***GW-10236-021698-SM-002***	***GW-10236-021698-SM-003***	***W-12609-111999-DEN-04***	***W-12609-091599-DN-15***	***W-12609-091599-DN-16***
Sample Date:		***2/16/1998***	***2/16/1998***	***11/19/1999***	***9/15/1999***	***9/15/1999***
						Duplicate
Parameter	***Unit***					
Di-n-butylphthalate	ug/L	ND (10)	ND (10)	-	-	-
Di-n-octyl phthalate	ug/L	ND (10)	ND (10)	-	-	-
Fluoranthene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Fluorene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Hexachlorobenzene	ug/L	ND (10)	ND (10)	-	-	-
Hexachlorobutadiene	ug/L	ND (10)	ND (10)	-	-	-
Hexachlorocyclopentadiene	ug/L	ND (10)	ND (10)	-	-	-
Hexachloroethane	ug/L	ND (10)	ND (10)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Isophorone	ug/L	ND (10)	ND (10)	-	-	-
Naphthalene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Nitrobenzene	ug/L	ND (10)	ND (10)	-	-	-
N-Nitrosodimethylamine	ug/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	ND (10)	ND (10)	-	-	-
N-Nitrosodiphenylamine	ug/L	ND (10)	ND (10)	-	-	-
Pentachlorophenol	ug/L	ND (25)	ND (25)	-	-	-
Phenanthrene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
Phenol	ug/L	ND (10)	ND (10)	-	-	-
Pyrene	ug/L	ND (10)	ND (10)	-	ND (10)	ND (10)
PCBs						
Aroclor-1016	ug/L	ND (0.20)	ND (0.20)	-	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (0.20)	ND (0.20)	-	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (0.40)	ND (0.40)	-	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (0.20)	ND (0.20)	-	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	21	1.1	-	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (0.20)	ND (0.20)	-	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (0.20)	ND (0.20)	-	ND (1.0)	ND (1.0)
Aroclor 1016, dissolved	ug/L	-	-	-	-	-
Aroclor 1221, dissolved	ug/L	-	-	-	-	-
Aroclor 1232, dissolved	ug/L	-	-	-	-	-
Aroclor 1242, dissolved	ug/L	-	-	-	-	-
Aroclor 1248, dissolved	ug/L	-	-	-	-	-
Aroclor 1254, dissolved	ug/L	-	-	-	-	-
Aroclor 1260, dissolved	ug/L	-	-	-	-	-
Pesticides						
4,4-DDD	ug/L	0.073	ND (0.020)	-	-	-
4,4-DDE	ug/L	ND (0.020)	ND (0.020)	-	-	-
4,4-DDT	ug/L	ND (0.020)	ND (0.020)	-	-	-
Aldrin	ug/L	ND (0.010)	ND (0.010)	-	-	-
alpha-BHC	ug/L	ND (0.010)	ND (0.010)	-	-	-
alpha-Chlordane	ug/L	ND (0.010)	ND (0.010)	-	-	-
beta-BHC	ug/L	ND (0.010)	ND (0.010)	-	-	-

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		***MW-102-98***	***MW-103-98***	***MW-103-98***	***MW-117-99***	***MW-117-99***
Sample ID:		***GW-10236-021698-SM-002***	***GW-10236-021698-SM-003***	***W-12609-111999-DEN-04***	***W-12609-091599-DN-15***	***W-12609-091599-DN-16***
Sample Date:		***2/16/1998***	***2/16/1998***	***11/19/1999***	***9/15/1999***	***9/15/1999***
						Duplicate
Parameter	***Unit***					
Chlordane	ug/L	-	-	-	-	-
delta-BHC	ug/L	ND (0.010)	ND (0.010)	-	-	-
Dieldrin	ug/L	ND (0.020)	ND (0.020)	-	-	-
Endosulfan I	ug/L	ND (0.050)	ND (0.050)	-	-	-
Endosulfan II	ug/L	ND (0.050)	ND (0.050)	-	-	-
Endosulfan sulfate	ug/L	ND (0.050)	ND (0.050)	-	-	-
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	-	-	-
Endrin ketone	ug/L	ND (0.020)	ND (0.020)	-	-	-
Endrin	ug/L	ND (0.020)	ND (0.020)	-	-	-
gamma-BHC (Lindane)	ug/L	ND (0.010)	ND (0.010)	-	-	-
gamma-Chlordane	ug/L	ND (0.017)	ND (0.010)	-	-	-
Heptachlor epoxide	ug/L	ND (0.010)	ND (0.010)	-	-	-
Heptachlor	ug/L	ND (0.010)	ND (0.010)	-	-	-
Methoxychlor	ug/L	ND (0.50)	ND (0.50)	-	-	-
Toxaphene	ug/L	ND (1.0)	ND (1.0)	-	-	-
Metals						
Aluminum (Dissolved)	mg/L	ND (0.1)	ND (0.1)	-	-	-
Aluminum	mg/L	ND (0.1)	ND (0.1)	-	-	-
Antimony (Dissolved)	mg/L	ND (0.005)	ND (0.005)	-	-	-
Antimony	mg/L	ND (0.005)	ND (0.005)	-	-	-
Arsenic (Dissolved)	mg/L	-	-	-	-	-
Arsenic	mg/L	ND (0.005)	0.0052	-	-	-
Barium (Dissolved)	mg/L	-	-	-	-	-
Barium	mg/L	ND (0.2)	ND (0.2)	-	-	-
Beryllium (Dissolved)	mg/L	ND (0.001)	ND (0.001)	-	-	-
Beryllium	mg/L	ND (0.001)	ND (0.001)	-	-	-
Cadmium (Dissolved)	mg/L	-	-	-	-	-
Cadmium	mg/L	ND (0.0005)	ND (0.0005)	-	-	-
Calcium (Dissolved)	mg/L	-	-	-	-	-
Calcium	mg/L	100	73	-	-	-
Chromium (Dissolved)	mg/L	-	-	-	-	-
Chromium	mg/L	ND (0.05)	ND (0.05)	-	ND (0.010)	ND (0.010)
Cobalt (Dissolved)	mg/L	ND (0.01)	ND (0.01)	-	-	-
Cobalt	mg/L	ND (0.01)	ND (0.01)	-	-	-
Copper (Dissolved)	mg/L	-	-	-	-	-
Copper	mg/L	ND (0.025)	ND (0.025)	-	-	-
Iron (Dissolved)	mg/L	-	-	-	-	-
Iron	mg/L	ND (0.1)	0.82	-	-	-
Lead (Dissolved)	mg/L	-	-	-	-	-
Lead	mg/L	ND (0.003)	ND (0.003)	-	-	-
Magnesium (Dissolved)	mg/L	-	-	-	-	-
Magnesium	mg/L	50	27	-	-	-
Manganese (Dissolved)	mg/L	-	-	-	-	-

TABLE C.6.2

SUMMARY OF ANALYTICAL RESULTS

FORMER DISPOSAL AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		***MW-102-98***	***MW-103-98***	***MW-103-98***	***MW-117-99***	***MW-117-99***
Sample ID:		***GW-10236-021698-SM-002***	***GW-10236-021698-SM-003***	***W-12609-111999-DEN-04***	***W-12609-091599-DN-15***	***W-12609-091599-DN-16***
Sample Date:		***2/16/1998***	***2/16/1998***	***11/19/1999***	***9/15/1999***	***9/15/1999***
						Duplicate
Parameter	***Unit***					
Manganese	mg/L	0.67	2.1	-	-	-
Mercury (Dissolved)	mg/L	-	-	-	-	-
Mercury	mg/L	0.00036	0.00045	-	-	-
Nickel (Dissolved)	mg/L	ND (0.05)	ND (0.05)	-	-	-
Nickel	mg/L	ND (0.05)	ND (0.05)	-	-	-
Potassium (Dissolved)	mg/L	-	-	-	-	-
Potassium	mg/L	4.1	5.8	-	-	-
Selenium (Dissolved)	mg/L	ND (0.005)	-	-	-	-
Selenium	mg/L	ND (0.005)	ND (0.005)	-	-	-
Silver (Dissolved)	mg/L	-	-	-	-	-
Silver	mg/L	ND (0.0005) UJ	ND (0.0005) UJ	-	-	-
Sodium (Dissolved)	mg/L	-	-	-	-	-
Sodium	mg/L	210	160	-	-	-
Thallium (Dissolved)	mg/L	ND (0.002)	ND (0.002)	-	-	-
Thallium	mg/L	ND (0.002)	ND (0.002)	-	-	-
Vanadium (Dissolved)	mg/L	ND (0.02)	ND (0.02)	-	-	-
Vanadium	mg/L	ND (0.02)	ND (0.02)	-	-	-
Zinc (Dissolved)	mg/L	-	-	-	-	-
Zinc	mg/L	ND (0.02)	ND (0.02)	-	-	-
Dioxin Furans						
Total Tetrachlorodibenzo-p-dioxin (TCDD)	ug/L	-	-	-	-	-
General Chemistry						
Alkalinity (Filtered)	mg/L	-	-	-	-	-
Alkalinity, Total (As CaCO3)	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	-
Carbonate Alkalinity	mg/L	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-
Cyanide (total)	mg/L	ND (0.010)	ND (0.010)	-	-	-
Nitrate (as N)	mg/L	-	-	-	-	-
Nitrite (as N)	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-	-
Volatile Suspended Solids	mg/L	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.6.3

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
LEACHATE SAMPLES
TOLEDO, OHIO

		LCH-1-98
Sample ID:		***SW-10236-030598-MP-009***
Sample Date:		***3/5/1998***
Parameter	***Unit***	
Volatiles		
1,1,1-Trichloroethane	ug/L	ND (1)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)
1,1,2-Trichloroethane	ug/L	ND (1)
1,1-Dichloroethane	ug/L	ND (1)
1,1-Dichloroethene	ug/L	ND (1)
1,2-Dichlorobenzene	ug/L	ND (1)
1,2-Dichloroethane	ug/L	ND (1)
1,2-Dichloroethene (total)	ug/L	2.2
1,2-Dichloropropane	ug/L	ND (1)
1,3-Dichlorobenzene	ug/L	ND (1)
1,4-Dichlorobenzene	ug/L	ND (1)
2-Butanone	ug/L	ND (50)
2-Hexanone	ug/L	ND (50)
4-Methyl-2-pentanone	ug/L	ND (50)
Acetone	ug/L	ND (100)
Benzene	ug/L	ND (5)
Bromodichloromethane	ug/L	ND (1)
Bromoform	ug/L	ND (1)
Bromomethane	ug/L	ND (1)
Carbon disulfide	ug/L	ND (50)
Carbon tetrachloride	ug/L	ND (1)
Chlorobenzene	ug/L	ND (1)
Chloroethane	ug/L	ND (1)
Chloroform	ug/L	ND (1)
Chloromethane	ug/L	ND (1)
cis-1,3-Dichloropropene	ug/L	ND (1)
Dibromochloromethane	ug/L	ND (1)
Ethylbenzene	ug/L	ND (1)
Methylene chloride	ug/L	ND (5)
Styrene	ug/L	ND (1)
Tetrachloroethene	ug/L	ND (1)
Toluene	ug/L	ND (1)
trans-1,3-Dichloropropene	ug/L	ND (1)
Trichloroethene	ug/L	ND (1)
Vinyl chloride	ug/L	8.5
Xylene (total)	ug/L	ND (3)
PCBs		
Aroclor-1016	ug/L	ND (0.2)
Aroclor-1221	ug/L	ND (0.2)
Aroclor-1232	ug/L	ND (0.4)
Aroclor-1242	ug/L	ND (0.2)
Aroclor-1248	ug/L	ND (0.2)
Aroclor-1254	ug/L	ND (0.2)
Aroclor-1260	ug/L	ND (0.2)

TABLE C.6.3

SUMMARY OF ANALYTICAL RESULTS
FORMER DISPOSAL AREA
LEACHATE SAMPLES
TOLEDO, OHIO

Location:	***LCH-1-98***
Sample ID:	***SW-10236-030598-MP-009***
Sample Date:	***3/5/1998***

Parameter	***Unit***	
Metals		
Aluminum	mg/L	1 J
Antimony	mg/L	ND (0.005)
Arsenic	mg/L	0.0064
Barium	mg/L	ND (0.2)
Beryllium	mg/L	ND (0.001)
Cadmium	mg/L	0.00079
Calcium	mg/L	110
Chromium	mg/L	ND (0.05)
Cobalt	mg/L	ND (0.01)
Copper	mg/L	ND (0.025)
Iron	mg/L	7
Lead	mg/L	0.039
Magnesium	mg/L	55
Manganese	mg/L	2.1
Mercury	mg/L	ND (0.0002)
Nickel	mg/L	ND (0.05)
Potassium	mg/L	4.1
Selenium	mg/L	ND (0.005)
Silver	mg/L	ND (0.0005)
Sodium	mg/L	150
Thallium	mg/L	ND (0.002)
Vanadium	mg/L	ND (0.02)
Zinc	mg/L	0.071
General Chemistry		
Cyanide (total)	mg/L	ND (0.01)

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SECTION 7

AREA SOUTH OF SILVER CREEK / AREA WEST OF FORMER DISPOSAL AREA

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-A1-00*	*TP-B2-00*	*TP-B2-00*	*BH-106-98*	*BH-107-98*
Sample ID:		*S-12609-041400-RSH-595*	*S-12609-041400-RSH-593*	*S-12609-041400-RSH-594*	*S-10236-011298-FCE-012*	*S-10236-011398-FCE-013*
Sample Depth:		*(1-2)*	*(1-2)*	*(1-2)*	*(1.5-2.3)*	*(0-2.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*1/12/1998*	*1/13/1998*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,1,2-Trichloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,1-Dichloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,1-Dichloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,2,4-Trichlorobenzene	ug/Kg	ND (4.5)	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (9.0)	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (4.5)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,2-Dichloroethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,3-Dichlorobenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
2-Butanone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
2-Hexanone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
Acetone	ug/Kg	ND (18)	-	-	ND (100)	ND (100)
Benzene, isopropyl	ug/Kg	ND (4.5)	-	-	-	-
Benzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Bromodichloromethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Bromoform	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Bromomethane	ug/Kg	ND (9.0)	-	-	ND (10)	ND (10)
Carbon disulfide	ug/Kg	ND (4.5)	-	-	ND (100)	ND (100)
Carbon tetrachloride	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Chlorobenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Chloroethane	ug/Kg	ND (9.0)	-	-	ND (10)	ND (10)
Chloroform	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Chloromethane	ug/Kg	ND (9.0)	-	-	ND (10)	ND (10)
cis-1,2-Dichloroethene	ug/Kg	ND (2.3)	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Cyclohexane	ug/Kg	ND (9.0)	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (9.0)	-	-	-	-
Ethylbenzene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	ND (9.0)	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (9.0)	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (18)	-	-	-	-
Methylene chloride	ug/Kg	1.0 J	-	-	ND (10)	ND (10)
Styrene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Tetrachloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Toluene	ug/Kg	0.71 J	-	-	ND (10)	ND (10)
trans-1,2-Dichloroethene	ug/Kg	ND (2.3)	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Trichloroethene	ug/Kg	ND (4.5)	-	-	ND (10)	ND (10)
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (9.0)	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (4.5)	-	-	-	-
Vinyl chloride	ug/Kg	ND (9.0)	-	-	ND (10)	ND (10)
Xylene (total)	ug/Kg	1.8 J	-	-	ND (30)	ND (30)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-A1-00*	*TP-B2-00*	*TP-B2-00*	*BH-106-98*	*BH-107-98*
Sample ID:		*S-12609-041400-RSH-595*	*S-12609-041400-RSH-593*	*S-12609-041400-RSH-594*	*S-10236-011298-FCE-012*	*S-10236-011398-FCE-013*
Sample Depth:		*(1-2)*	*(1-2)*	*(1-2)*	*(1.5-2.3)*	*(0-2.5)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*1/12/1998*	*1/13/1998*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (800)	ND (800)
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (330)	ND (330)
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (330)	ND (330)
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (330)	ND (330)
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (800)	ND (800)
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (330) UJ	ND (330) UJ
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (330)	ND (330)
2-Chloronaphthalene	ug/Kg	-	-	-	ND (330)	ND (330)
2-Chlorophenol	ug/Kg	-	-	-	ND (330)	ND (330)
2-Methyl naphthalene	ug/Kg	-	-	-	ND (330)	ND (330)
2-Methylphenol	ug/Kg	-	-	-	ND (330)	ND (330)
2-Nitroaniline	ug/Kg	-	-	-	ND (800)	ND (800)
2-Nitrophenol	ug/Kg	-	-	-	ND (330)	ND (330)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (330)	ND (330)
3-Nitroaniline	ug/Kg	-	-	-	ND (800)	ND (800)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (800)	ND (800)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (330)	ND (330)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (330)	ND (330)
4-Chloroaniline	ug/Kg	-	-	-	ND (330)	ND (330)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (330)	ND (330)
4-Methylphenol	ug/Kg	-	-	-	ND (330)	ND (330)
4-Nitroaniline	ug/Kg	-	-	-	ND (800)	ND (800)
4-Nitrophenol	ug/Kg	-	-	-	ND (800)	ND (800) UJ
Acenaphthene	ug/Kg	-	-	-	ND (330)	ND (330)
Acenaphthylene	ug/Kg	-	-	-	ND (330)	ND (330)
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	ND (330)	ND (330)
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(a)pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (330)	ND (330)
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (330)	ND (330)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (330)	ND (330)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (330)	ND (330)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Butyl benzylphthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	ND (330)	ND (330)
Chrysene	ug/Kg	-	-	-	ND (330)	ND (330)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (330)	ND (330)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-A1-00***	***TP-B2-00***	***TP-B2-00***	***BH-106-98***	***BH-107-98***
Sample ID:		***S-12609-041400-RSH-595***	***S-12609-041400-RSH-593***	***S-12609-041400-RSH-594***	***S-10236-011298-FCE-012***	***S-10236-011398-FCE-013***
Sample Depth:		***(1-2)***	***(1-2)***	***(1-2)***	***(1.5-2.3)***	***(0-2.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***1/12/1998***	***1/13/1998***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	ND (330)	ND (330)
Diethyl phthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Dimethyl phthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Di-n-butylphthalate	ug/Kg	-	-	-	ND (330) UJ	ND (330) UJ
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (330)	ND (330)
Fluoranthene	ug/Kg	-	-	-	ND (330)	ND (330)
Fluorene	ug/Kg	-	-	-	ND (330)	ND (330)
Hexachlorobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
Hexachlorobutadiene	ug/Kg	-	-	-	ND (330)	ND (330)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (330)	ND (330)
Hexachloroethane	ug/Kg	-	-	-	ND (330)	ND (330)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
Isophorone	ug/Kg	-	-	-	ND (330)	ND (330)
Naphthalene	ug/Kg	-	-	-	ND (330) UJ	ND (330) UJ
Nitrobenzene	ug/Kg	-	-	-	ND (330)	ND (330)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (330) UJ	ND (330) UJ
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (330)	ND (330)
Pentachlorophenol	ug/Kg	-	-	-	ND (800)	ND (800)
Phenanthrene	ug/Kg	-	-	-	ND (330)	ND (330)
Phenol	ug/Kg	-	-	-	ND (330)	ND (330) UJ
Pyrene	ug/Kg	-	-	-	ND (330)	ND (330)
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (37)	ND (200)	ND (40)	2100	ND (330)
Aroclor-1254	ug/Kg	ND (37)	1900	530	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (37)	ND (200)	ND (40)	ND (330)	ND (330)
Total PCBs	ug/Kg	-	-	-	2100	ND (330)
Metals						
Aluminum	mg/Kg	-	-	-	10000 J	2200 J
Antimony	mg/Kg	-	-	-	ND (0.5)	R
Arsenic	mg/Kg	-	-	-	2.5	0.72 J
Barium	mg/Kg	-	-	-	74	9.2
Beryllium	mg/Kg	-	-	-	0.71 J	ND (0.25)
Cadmium	mg/Kg	-	-	-	0.15	0.068 J
Calcium	mg/Kg	-	-	-	10000	90000
Chromium	mg/Kg	-	-	-	25	4.6
Cobalt	mg/Kg	-	-	-	4.9 J	1.7 J
Copper	mg/Kg	-	-	-	28 J	1.6 J
Iron	mg/Kg	-	-	-	20000	3900
Lead	mg/Kg	-	-	-	14	3.4
Magnesium	mg/Kg	-	-	-	7000	30000
Manganese	mg/Kg	-	-	-	150 J	200 J
Mercury	mg/Kg	-	-	-	ND (0.1)	ND (0.1)
Nickel	mg/Kg	-	-	-	16	3.1

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-A1-00***	***TP-B2-00***	***TP-B2-00***	***BH-106-98***	***BH-107-98***
Sample ID:		***S-12609-041400-RSH-595***	***S-12609-041400-RSH-593***	***S-12609-041400-RSH-594***	***S-10236-011298-FCE-012***	***S-10236-011398-FCE-013***
Sample Depth:		***(1-2)***	***(1-2)***	***(1-2)***	***(1.5-2.3)***	***(0-2.5)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***1/12/1998***	***1/13/1998***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	1600 J	360 J
Selenium	mg/Kg	-	-	-	ND (0.5)	R
Silver	mg/Kg	-	-	-	1.2	ND (0.5) UJ
Sodium	mg/Kg	-	-	-	85 J	120 J
Thallium	mg/Kg	-	-	-	ND (0.5)	ND (0.5)
Vanadium	mg/Kg	-	-	-	22 J	5.9 J
Zinc	mg/Kg	-	-	-	74 J	220 J
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	0.23
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-108-98*	*BH235-00*	*BH235-00*	*BH235-00*	*BH235-00*
Sample ID:		*S-10236-011398-FCE-014*	*S-12609-060700-DEN-118*	*S-12609-060700-DEN-119*	*S-12609-060700-DEN-120*	*S-12609-060700-DEN-121*
Sample Depth:		*(8-9.3)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*1/13/1998*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
2-Butanone	ug/Kg	ND (100)	-	-	-	-
2-Hexanone	ug/Kg	ND (100)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	-	-	-
Acetone	ug/Kg	ND (100)	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	ND (10)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (10)	-	-	-	-
Bromoform	ug/Kg	ND (10)	-	-	-	-
Bromomethane	ug/Kg	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (100)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (10)	-	-	-	-
Chlorobenzene	ug/Kg	ND (10)	-	-	-	-
Chloroethane	ug/Kg	ND (10)	-	-	-	-
Chloroform	ug/Kg	ND (10)	-	-	-	-
Chloromethane	ug/Kg	ND (10)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	-	-	-	-
Styrene	ug/Kg	ND (10)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	-	-	-	-
Toluene	ug/Kg	ND (10)	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (30)	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-108-98*	*BH235-00*	*BH235-00*	*BH235-00*	*BH235-00*
Sample ID:		*S-10236-011398-FCE-014*	*S-12609-060700-DEN-118*	*S-12609-060700-DEN-119*	*S-12609-060700-DEN-120*	*S-12609-060700-DEN-121*
Sample Depth:		*(8-9.3)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*1/13/1998*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	ND (330)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (330)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (330)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (330)	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (800)	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (330)	-	-	-	-
2,4-Dichlorophenol	ug/Kg	ND (330)	-	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (330)	-	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (800)	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (330) UJ	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (330)	-	-	-	-
2-Chloronaphthalene	ug/Kg	ND (330)	-	-	-	-
2-Chlorophenol	ug/Kg	ND (330)	-	-	-	-
2-Methyl naphthalene	ug/Kg	ND (330)	-	-	-	-
2-Methylphenol	ug/Kg	ND (330)	-	-	-	-
2-Nitroaniline	ug/Kg	ND (800)	-	-	-	-
2-Nitrophenol	ug/Kg	ND (330)	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (330)	-	-	-	-
3-Nitroaniline	ug/Kg	ND (800)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (800)	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (330)	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (330)	-	-	-	-
4-Chloroaniline	ug/Kg	ND (330)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (330)	-	-	-	-
4-Methylphenol	ug/Kg	ND (330)	-	-	-	-
4-Nitroaniline	ug/Kg	ND (800)	-	-	-	-
4-Nitrophenol	ug/Kg	ND (800)	-	-	-	-
Acenaphthene	ug/Kg	ND (330)	-	-	-	-
Acenaphthylene	ug/Kg	ND (330)	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	ND (330)	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (330)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (330)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (330)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (330)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (330)	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (330)	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (330)	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (330)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (330)	-	-	-	-
Butyl benzylphthalate	ug/Kg	ND (330)	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	ND (330)	-	-	-	-
Chrysene	ug/Kg	ND (330)	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (330)	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH-108-98*	*BH235-00*	*BH235-00*	*BH235-00*	*BH235-00*
Sample ID:		*S-10236-011398-FCE-014*	*S-12609-060700-DEN-118*	*S-12609-060700-DEN-119*	*S-12609-060700-DEN-120*	*S-12609-060700-DEN-121*
Sample Depth:		*(8-9.3)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*1/13/1998*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (330)	-	-	-	-
Diethyl phthalate	ug/Kg	ND (330)	-	-	-	-
Dimethyl phthalate	ug/Kg	ND (330)	-	-	-	-
Di-n-butylphthalate	ug/Kg	ND (330) UJ	-	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (330)	-	-	-	-
Fluoranthene	ug/Kg	ND (330)	-	-	-	-
Fluorene	ug/Kg	ND (330)	-	-	-	-
Hexachlorobenzene	ug/Kg	ND (330)	-	-	-	-
Hexachlorobutadiene	ug/Kg	ND (330)	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (330)	-	-	-	-
Hexachloroethane	ug/Kg	ND (330)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (330)	-	-	-	-
Isophorone	ug/Kg	ND (330)	-	-	-	-
Naphthalene	ug/Kg	ND (330) UJ	-	-	-	-
Nitrobenzene	ug/Kg	ND (330)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (330) UJ	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (330)	-	-	-	-
Pentachlorophenol	ug/Kg	ND (800)	-	-	-	-
Phenanthrene	ug/Kg	ND (330)	-	-	-	-
Phenol	ug/Kg	ND (330)	-	-	-	-
Pyrene	ug/Kg	ND (330)	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1221	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1232	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1242	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1248	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1254	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Aroclor-1260	ug/Kg	ND (330)	ND (43)	ND (39)	ND (39)	ND (42)
Total PCBs	ug/Kg	ND (330)	-	-	-	-
Metals						
Aluminum	mg/Kg	7000 J	-	-	-	-
Antimony	mg/Kg	R	-	-	-	-
Arsenic	mg/Kg	4.8 J	-	-	-	-
Barium	mg/Kg	51	-	-	-	-
Beryllium	mg/Kg	0.44	-	-	-	-
Cadmium	mg/Kg	0.31 J	-	-	-	-
Calcium	mg/Kg	60000	-	-	-	-
Chromium	mg/Kg	13	-	-	-	-
Cobalt	mg/Kg	7.7 J	-	-	-	-
Copper	mg/Kg	12 J	-	-	-	-
Iron	mg/Kg	20000	-	-	-	-
Lead	mg/Kg	13	-	-	-	-
Magnesium	mg/Kg	20000	-	-	-	-
Manganese	mg/Kg	310 J	-	-	-	-
Mercury	mg/Kg	ND (0.1)	-	-	-	-
Nickel	mg/Kg	18	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH-108-98***	***BH235-00***	***BH235-00***	***BH235-00***	***BH235-00***
Sample ID:		***S-10236-011398-FCE-014***	***S-12609-060700-DEN-118***	***S-12609-060700-DEN-119***	***S-12609-060700-DEN-120***	***S-12609-060700-DEN-121***
Sample Depth:		***(8-9.3)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***1/13/1998***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Potassium	mg/Kg	1200 J	-	-	-	-
Selenium	mg/Kg	0.64 J	-	-	-	-
Silver	mg/Kg	0.61 J	-	-	-	-
Sodium	mg/Kg	120 J	-	-	-	-
Thallium	mg/Kg	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	17 J	-	-	-	-
Zinc	mg/Kg	54 J	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	0.27	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH235-00*	*BH236-00*	*BH236-00*	*BH236-00*	*BH236-00*
Sample ID:		*S-12609-060700-DEN-122*	*S-12609-060700-DEN-113*	*S-12609-060700-DEN-114*	*S-12609-060700-DEN-116*	*S-12609-060700-DEN-115*
Sample Depth:		*(8-10)*	*(0-2)*	*(2-4)*	*(2-4)*	*(3.5-5.5)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH235-00*	*BH236-00*	*BH236-00*	*BH236-00*	*BH236-00*
Sample ID:		*S-12609-060700-DEN-122*	*S-12609-060700-DEN-113*	*S-12609-060700-DEN-114*	*S-12609-060700-DEN-116*	*S-12609-060700-DEN-115*
Sample Depth:		*(8-10)*	*(0-2)*	*(2-4)*	*(2-4)*	*(3.5-5.5)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH235-00*	*BH236-00*	*BH236-00*	*BH236-00*	*BH236-00*
Sample ID:		*S-12609-060700-DEN-122*	*S-12609-060700-DEN-113*	*S-12609-060700-DEN-114*	*S-12609-060700-DEN-116*	*S-12609-060700-DEN-115*
Sample Depth:		*(8-10)*	*(0-2)*	*(2-4)*	*(2-4)*	*(3.5-5.5)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1248	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (40)	ND (41)	ND (39)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH235-00***	***BH236-00***	***BH236-00***	***BH236-00***	***BH236-00***
Sample ID:		***S-12609-060700-DEN-122***	***S-12609-060700-DEN-113***	***S-12609-060700-DEN-114***	***S-12609-060700-DEN-116***	***S-12609-060700-DEN-115***
Sample Depth:		***(8-10)***	***(0-2)***	***(2-4)***	***(2-4)***	***(3.5-5.5)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH236-00*	*BH237-00*	*BH237-00*	*BH237-00*	*BH237-00*
Sample ID:		*S-12609-060700-DEN-117*	*S-12609-060700-DEN-123*	*S-12609-060700-DEN-124*	*S-12609-060700-DEN-125*	*S-12609-060700-DEN-126*
Sample Depth:		*(8-10)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH236-00*	*BH237-00*	*BH237-00*	*BH237-00*	*BH237-00*
Sample ID:		*S-12609-060700-DEN-117*	*S-12609-060700-DEN-123*	*S-12609-060700-DEN-124*	*S-12609-060700-DEN-125*	*S-12609-060700-DEN-126*
Sample Depth:		*(8-10)*	*(0-2)*	*(2-4)*	*(4-6)*	*(6-8)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH236-00***	***BH237-00***	***BH237-00***	***BH237-00***	***BH237-00***
Sample ID:		***S-12609-060700-DEN-117***	***S-12609-060700-DEN-123***	***S-12609-060700-DEN-124***	***S-12609-060700-DEN-125***	***S-12609-060700-DEN-126***
Sample Depth:		***(8-10)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1248	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (43)	43	ND (40)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (43)	ND (39)	ND (40)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH236-00***	***BH237-00***	***BH237-00***	***BH237-00***	***BH237-00***
Sample ID:		***S-12609-060700-DEN-117***	***S-12609-060700-DEN-123***	***S-12609-060700-DEN-124***	***S-12609-060700-DEN-125***	***S-12609-060700-DEN-126***
Sample Depth:		***(8-10)***	***(0-2)***	***(2-4)***	***(4-6)***	***(6-8)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH243-00*	*BH244-00*	*BH245-00*	*BH246-00*	*BH247-00*
Sample ID:		*S-12609-060100-DEN-18*	*S-12609-060100-DEN-16*	*S-12609-060100-DEN-14*	*S-12609-060100-DEN-15*	*S-12609-060100-DEN-17*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*6/1/2000*	*6/1/2000*	*6/1/2000*	*6/1/2000*	*6/1/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH243-00*	*BH244-00*	*BH245-00*	*BH246-00*	*BH247-00*
Sample ID:		*S-12609-060100-DEN-18*	*S-12609-060100-DEN-16*	*S-12609-060100-DEN-14*	*S-12609-060100-DEN-15*	*S-12609-060100-DEN-17*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*6/1/2000*	*6/1/2000*	*6/1/2000*	*6/1/2000*	*6/1/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH243-00***	***BH244-00***	***BH245-00***	***BH246-00***	***BH247-00***
Sample ID:		***S-12609-060100-DEN-18***	***S-12609-060100-DEN-16***	***S-12609-060100-DEN-14***	***S-12609-060100-DEN-15***	***S-12609-060100-DEN-17***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1221	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1232	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1242	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1248	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1254	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Aroclor-1260	ug/Kg	ND (39)	ND (43)	ND (40)	ND (39)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH243-00***	***BH244-00***	***BH245-00***	***BH246-00***	***BH247-00***
Sample ID:		***S-12609-060100-DEN-18***	***S-12609-060100-DEN-16***	***S-12609-060100-DEN-14***	***S-12609-060100-DEN-15***	***S-12609-060100-DEN-17***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***	***6/1/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH247-00*	*TP-C3-00*	*TP-C3-00*	*Comp of Group 1*	*Comp of Group 1*
Sample ID:		*S-12609-060100-DEN-20*	*S-12609-041400-RSH-596*	*S-12609-041400-RSH-597*	*S-12609-041100-RSH-516*	*S-12609-041100-RSH-517*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*		
Sample Date:		*6/1/2000*	*4/14/2000*	*4/14/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH247-00*	*TP-C3-00*	*TP-C3-00*	*Comp of Group 1*	*Comp of Group 1*
Sample ID:		*S-12609-060100-DEN-20*	*S-12609-041400-RSH-596*	*S-12609-041400-RSH-597*	*S-12609-041100-RSH-516*	*S-12609-041100-RSH-517*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*		
Sample Date:		*6/1/2000*	*4/14/2000*	*4/14/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (400)	ND (380)
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (400)	ND (380)
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (400)	ND (380)
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (400)	ND (380)
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (1900)	ND (1800)
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (400)	ND (380)
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (400)	ND (380)
2-Chloronaphthalene	ug/Kg	-	-	-	ND (400)	ND (380)
2-Chlorophenol	ug/Kg	-	-	-	ND (400)	ND (380)
2-Methyl naphthalene	ug/Kg	-	-	-	ND (400)	ND (380)
2-Methylphenol	ug/Kg	-	-	-	ND (400)	ND (380)
2-Nitroaniline	ug/Kg	-	-	-	ND (1900)	ND (1800)
2-Nitrophenol	ug/Kg	-	-	-	ND (400)	ND (380)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (1900)	ND (1800)
3-Nitroaniline	ug/Kg	-	-	-	ND (1900)	ND (1800)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (1900)	ND (1800)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (400)	ND (380)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (400)	ND (380)
4-Chloroaniline	ug/Kg	-	-	-	ND (400)	ND (380)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (400)	ND (380)
4-Methylphenol	ug/Kg	-	-	-	ND (400)	ND (380)
4-Nitroaniline	ug/Kg	-	-	-	ND (1900)	ND (1800)
4-Nitrophenol	ug/Kg	-	-	-	ND (1900)	ND (1800)
Acenaphthene	ug/Kg	-	-	-	ND (400)	ND (380)
Acenaphthylene	ug/Kg	-	-	-	ND (400)	ND (380)
Acetophenone	ug/Kg	-	-	-	ND (400)	ND (380)
Anthracene	ug/Kg	-	-	-	ND (400)	ND (380)
Atrazine	ug/Kg	-	-	-	ND (400)	ND (380)
Benzaldehyde	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(a)anthracene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(a)pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (400)	ND (380)
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (400)	ND (380)
Biphenyl	ug/Kg	-	-	-	ND (400)	ND (380)
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (400)	ND (380)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (400)	ND (380)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (400)	ND (380)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Butyl benzylphthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Caprolactam	ug/Kg	-	-	-	ND (400)	ND (380)
Carbazole	ug/Kg	-	-	-	ND (400)	ND (380)
Chrysene	ug/Kg	-	-	-	ND (400)	ND (380)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (400)	ND (380)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*BH247-00*	*TP-C3-00*	*TP-C3-00*	*Comp of Group 1*	*Comp of Group 1*
Sample ID:		*S-12609-060100-DEN-20*	*S-12609-041400-RSH-596*	*S-12609-041400-RSH-597*	*S-12609-041100-RSH-516*	*S-12609-041100-RSH-517*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*		
Sample Date:		*6/1/2000*	*4/14/2000*	*4/14/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	ND (400)	ND (380)
Diethyl phthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Dimethyl phthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Di-n-butylphthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (400)	ND (380)
Fluoranthene	ug/Kg	-	-	-	ND (400)	57 J
Fluorene	ug/Kg	-	-	-	ND (400)	ND (380)
Hexachlorobenzene	ug/Kg	-	-	-	ND (400)	ND (380)
Hexachlorobutadiene	ug/Kg	-	-	-	ND (400)	ND (380)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (1900)	ND (1800)
Hexachloroethane	ug/Kg	-	-	-	ND (400)	ND (380)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
Isophorone	ug/Kg	-	-	-	ND (400)	ND (380)
Naphthalene	ug/Kg	-	-	-	ND (400)	ND (380)
Nitrobenzene	ug/Kg	-	-	-	ND (400)	ND (380)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (400)	ND (380)
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (400)	ND (380)
Pentachlorophenol	ug/Kg	-	-	-	ND (400)	ND (380)
Phenanthrene	ug/Kg	-	-	-	ND (400)	ND (380)
Phenol	ug/Kg	-	-	-	ND (400)	ND (380)
Pyrene	ug/Kg	-	-	-	ND (400)	ND (380)
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1221	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1232	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1242	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1248	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1254	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Aroclor-1260	ug/Kg	ND (40)	ND (38)	ND (40)	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	9840	5010
Antimony	mg/Kg	-	-	-	ND (7.2) J	ND (6.8)
Arsenic	mg/Kg	-	-	-	6.3	3.1
Barium	mg/Kg	-	-	-	85.1 J	34.4
Beryllium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Cadmium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Calcium	mg/Kg	-	-	-	7970 J	6310
Chromium	mg/Kg	-	-	-	16.2 J	9.1
Cobalt	mg/Kg	-	-	-	7.1	ND (5.7)
Copper	mg/Kg	-	-	-	17.7 J	7.3
Iron	mg/Kg	-	-	-	19700	8250
Lead	mg/Kg	-	-	-	9.2	9.1
Magnesium	mg/Kg	-	-	-	4840 J	3080
Manganese	mg/Kg	-	-	-	766	165
Mercury	mg/Kg	-	-	-	ND (0.12)	ND (0.11)
Nickel	mg/Kg	-	-	-	21.2 J	8.6

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***BH247-00***	***TP-C3-00***	***TP-C3-00***	***Comp of Group 1***	***Comp of Group 1***
Sample ID:		***S-12609-060100-DEN-20***	***S-12609-041400-RSH-596***	***S-12609-041400-RSH-597***	***S-12609-041100-RSH-516***	***S-12609-041100-RSH-517***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***		
Sample Date:		***6/1/2000***	***4/14/2000***	***4/14/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	1150	ND (570)
Selenium	mg/Kg	-	-	-	ND (0.60)	ND (0.57)
Silver	mg/Kg	-	-	-	ND (1.2)	ND (1.1)
Sodium	mg/Kg	-	-	-	ND (599)	ND (570)
Thallium	mg/Kg	-	-	-	ND (1.2)	ND (1.1)
Vanadium	mg/Kg	-	-	-	24.0	13.0
Zinc	mg/Kg	-	-	-	38.6 J	28.0
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 2*	*Comp of Group 2*	*Comp of Group 3*	*Comp of Group 4*	*Comp of Group 5*
Sample ID:		*S-12609-041100-RSH-518*	*S-12609-041100-RSH-519*	*S-12609-041200-RSH-546*	*S-12609-041200-RSH-547*	*S-12609-041200-RSH-548*
Sample Depth:						
Sample Date:		*4/11/2000*	*4/11/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 2*	*Comp of Group 2*	*Comp of Group 3*	*Comp of Group 4*	*Comp of Group 5*
Sample ID:		*S-12609-041100-RSH-518*	*S-12609-041100-RSH-519*	*S-12609-041200-RSH-546*	*S-12609-041200-RSH-547*	*S-12609-041200-RSH-548*
Sample Depth:						
Sample Date:		*4/11/2000*	*4/11/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2,4,6-Trichlorophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2,4-Dichlorophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2,4-Dimethylphenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2,4-Dinitrophenol	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
2,4-Dinitrotoluene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2,6-Dinitrotoluene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2-Chloronaphthalene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2-Chlorophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2-Methyl naphthalene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2-Methylphenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
2-Nitroaniline	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
2-Nitrophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
3,3'-Dichlorobenzidine	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
3-Nitroaniline	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
4,6-Dinitro-2-methylphenol	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
4-Bromophenyl phenyl ether	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
4-Chloro-3-methylphenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
4-Chloroaniline	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
4-Chlorophenyl phenyl ether	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
4-Methylphenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
4-Nitroaniline	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
4-Nitrophenol	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
Acenaphthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Acenaphthylene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Acetophenone	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Atrazine	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzaldehyde	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(a)anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(a)pyrene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(g,h,i)perylene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Biphenyl	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
bis(2-Chloroethoxy)methane	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
bis(2-Chloroethyl)ether	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
bis(2-Chloroisopropyl)ether	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Butyl benzylphthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Caprolactam	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Carbazole	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Chrysene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	48 J
Dibenz(a,h)anthracene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 2*	*Comp of Group 2*	*Comp of Group 3*	*Comp of Group 4*	*Comp of Group 5*
Sample ID:		*S-12609-041100-RSH-518*	*S-12609-041100-RSH-519*	*S-12609-041200-RSH-546*	*S-12609-041200-RSH-547*	*S-12609-041200-RSH-548*
Sample Depth:						
Sample Date:		*4/11/2000*	*4/11/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Diethyl phthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Dimethyl phthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Di-n-butylphthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Di-n-octyl phthalate	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Fluoranthene	ug/Kg	59 J	87 J	ND (400)	ND (380)	130 J
Fluorene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Hexachlorobenzene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Hexachlorobutadiene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Hexachlorocyclopentadiene	ug/Kg	ND (2000)	ND (1900)	ND (1900)	ND (1800)	ND (1900)
Hexachloroethane	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Isophorone	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Naphthalene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Nitrobenzene	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
N-Nitrosodi-n-propylamine	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
N-Nitrosodiphenylamine	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Pentachlorophenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Phenanthrene	ug/Kg	ND (410)	47 J	ND (400)	ND (380)	120 J
Phenol	ug/Kg	ND (410)	ND (390)	ND (400)	ND (380)	ND (400)
Pyrene	ug/Kg	ND (410)	65 J	ND (400)	ND (380)	100 J
PCBs						
Aroclor-1016	ug/Kg	-	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	5940	8070	11600	3340	6850
Antimony	mg/Kg	ND (7.5)	ND (7.0)	ND (7.3)	ND (6.9)	ND (7.2)
Arsenic	mg/Kg	3.4	4.3	6.1	1.4	3.3
Barium	mg/Kg	45.4	64.7	80.2	ND (22.9)	44.4
Beryllium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	ND (0.60)
Cadmium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	ND (0.60)
Calcium	mg/Kg	7230	4560	3830	766	2480
Chromium	mg/Kg	9.3	12.6	17.0	5.7	10.9
Cobalt	mg/Kg	ND (6.3)	5.9	8.6	ND (5.7)	ND (6.0)
Copper	mg/Kg	9.9	11.1	14.0	ND (2.9)	6.7
Iron	mg/Kg	9610	14000	19400	4500	8900
Lead	mg/Kg	9.7	8.5	7.8	2.1	7.9
Magnesium	mg/Kg	3640	3080	4010	730	1530
Manganese	mg/Kg	212	221	537	38.7	124
Mercury	mg/Kg	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Nickel	mg/Kg	9.8	13.7	21.6	ND (4.6)	8.5

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***Comp of Group 2***	***Comp of Group 2***	***Comp of Group 3***	***Comp of Group 4***	***Comp of Group 5***
Sample ID:		***S-12609-041100-RSH-518***	***S-12609-041100-RSH-519***	***S-12609-041200-RSH-546***	***S-12609-041200-RSH-547***	***S-12609-041200-RSH-548***
Sample Depth:						
Sample Date:		***4/11/2000***	***4/11/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	653	846	1230	ND (572)	ND (602)
Selenium	mg/Kg	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.57)	0.60
Silver	mg/Kg	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)
Sodium	mg/Kg	ND (627)	ND (583)	ND (607)	ND (572)	ND (602)
Thallium	mg/Kg	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)
Vanadium	mg/Kg	13.7	16.7	26.1	8.9	14.1
Zinc	mg/Kg	36.4	38.5	39.3	9.7	38.6
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 6*	*Comp of Group 7*	*Comp of Group 8*	*Comp of Group 9*	*Comp of Group 10*
Sample ID:		*S-12609-041300-RSH-575*	*S-12609-041300-RSH-576*	*S-12609-041300-RSH-577*	*S-12609-041400-RSH-603*	*S-12609-041400-RSH-604*
Sample Depth:						
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 6*	*Comp of Group 7*	*Comp of Group 8*	*Comp of Group 9*	*Comp of Group 10*
Sample ID:		*S-12609-041300-RSH-575*	*S-12609-041300-RSH-576*	*S-12609-041300-RSH-577*	*S-12609-041400-RSH-603*	*S-12609-041400-RSH-604*
Sample Depth:						
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (73)	ND (75)
2,4,6-Trichlorophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (73)	ND (75)
2,4-Dichlorophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (50)	ND (51)
2,4-Dimethylphenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (52)	ND (54)
2,4-Dinitrophenol	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (82)	ND (85)
2,4-Dinitrotoluene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (53)	ND (55)
2,6-Dinitrotoluene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (51)	ND (53)
2-Chloronaphthalene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
2-Chlorophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (47)	ND (49)
2-Methyl naphthalene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
2-Methylphenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (44)	ND (45)
2-Nitroaniline	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (44)	ND (45)
2-Nitrophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
3,3'-Dichlorobenzidine	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (51)	ND (53)
3-Nitroaniline	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (37)	ND (38)
4,6-Dinitro-2-methylphenol	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (53)	ND (55)
4-Bromophenyl phenyl ether	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
4-Chloro-3-methylphenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (58)	ND (60)
4-Chloroaniline	ug/Kg	ND (380)	ND (400)	ND (410)	ND (76)	ND (79)
4-Chlorophenyl phenyl ether	ug/Kg	ND (380)	ND (400)	ND (410)	ND (51)	ND (53)
4-Methylphenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (38)	ND (39)
4-Nitroaniline	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (64)	ND (66)
4-Nitrophenol	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (60)	ND (62)
Acenaphthene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (52)	ND (54)
Acenaphthylene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
Acetophenone	ug/Kg	ND (380)	ND (400)	ND (410)	ND (370)	ND (380)
Anthracene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
Atrazine	ug/Kg	ND (380)	ND (400)	ND (410)	ND (21)	ND (21)
Benzaldehyde	ug/Kg	ND (380)	ND (400)	ND (410)	ND (92)	ND (96)
Benzo(a)anthracene	ug/Kg	ND (380)	ND (400)	65 J	110 J	140 J
Benzo(a)pyrene	ug/Kg	ND (380)	ND (400)	70 J	120 J	190 J
Benzo(b)fluoranthene	ug/Kg	ND (380)	ND (400)	100 J	180 J	290 J
Benzo(g,h,i)perylene	ug/Kg	ND (380)	ND (400)	84 J	120 J	200 J
Benzo(k)fluoranthene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (37)	94 J
Biphenyl	ug/Kg	ND (380)	ND (400)	ND (410)	ND (20)	ND (20)
bis(2-Chloroethoxy)methane	ug/Kg	ND (380)	ND (400)	ND (410)	ND (46)	ND (48)
bis(2-Chloroethyl)ether	ug/Kg	ND (380)	ND (400)	ND (410)	ND (80)	ND (82)
bis(2-Chloroisopropyl)ether	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	53 J
Butyl benzylphthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	89 J
Caprolactam	ug/Kg	ND (380)	ND (400)	ND (410)	ND (30)	ND (31)
Carbazole	ug/Kg	ND (380)	ND (400)	ND (410)	ND (49)	ND (50)
Chrysene	ug/Kg	ND (380)	ND (400)	75 J	130 J	190 J
Dibenz(a,h)anthracene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (64)	ND (66)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 6*	*Comp of Group 7*	*Comp of Group 8*	*Comp of Group 9*	*Comp of Group 10*
Sample ID:		*S-12609-041300-RSH-575*	*S-12609-041300-RSH-576*	*S-12609-041300-RSH-577*	*S-12609-041400-RSH-603*	*S-12609-041400-RSH-604*
Sample Depth:						
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (380)	ND (400)	ND (410)	ND (57)	ND (59)
Diethyl phthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (59)	ND (61)
Dimethyl phthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
Di-n-butylphthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (50)	ND (51)
Di-n-octyl phthalate	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
Fluoranthene	ug/Kg	ND (380)	ND (400)	130 J	230 J	360 J
Fluorene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (51)	ND (53)
Hexachlorobenzene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (44)	ND (45)
Hexachlorobutadiene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (44)	ND (45)
Hexachlorocyclopentadiene	ug/Kg	ND (1800)	ND (1900)	ND (2000)	ND (30)	ND (31)
Hexachloroethane	ug/Kg	ND (380)	ND (400)	ND (410)	ND (40)	ND (42)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (380)	ND (400)	ND (410)	110 J	200 J
Isophorone	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
Naphthalene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (45)	ND (47)
Nitrobenzene	ug/Kg	ND (380)	ND (400)	ND (410)	ND (43)	ND (44)
N-Nitrosodi-n-propylamine	ug/Kg	ND (380)	ND (400)	ND (410)	ND (40)	ND (42)
N-Nitrosodiphenylamine	ug/Kg	ND (380)	ND (400)	ND (410)	ND (46)	ND (48)
Pentachlorophenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (51)	ND (53)
Phenanthrene	ug/Kg	ND (380)	ND (400)	65 J	110 J	140 J
Phenol	ug/Kg	ND (380)	ND (400)	ND (410)	ND (59)	ND (61)
Pyrene	ug/Kg	ND (380)	ND (400)	120 J	200 J	300 J
PCBs						
Aroclor-1016	ug/Kg	-	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	2490	4730	34300	5970	6360
Antimony	mg/Kg	ND (6.9)	ND (7.2)	ND (7.5)	ND (1.7)	ND (1.8)
Arsenic	mg/Kg	1.6	2.3	2.8	4.2	5.1
Barium	mg/Kg	ND (23.1)	ND (24.0)	33.7	39.6	64.1
Beryllium	mg/Kg	ND (0.58)	ND (0.60)	ND (0.62)	ND (0.14)	ND (0.14)
Cadmium	mg/Kg	ND (0.58)	ND (0.60)	0.88	ND (0.25)	ND (0.26)
Calcium	mg/Kg	6950	2340	7830	20900	18500
Chromium	mg/Kg	4.2	7.1	1110	10.6	12.2
Cobalt	mg/Kg	ND (5.8)	ND (6.0)	ND (6.2)	ND (0.68)	7.0
Copper	mg/Kg	3.5	4.8	758	10.9	14.1
Iron	mg/Kg	4480	6750	10200	10500	10800
Lead	mg/Kg	1.7	5.7	33.7	9.6	28.3
Magnesium	mg/Kg	1420	1470	3670	10100	7960
Manganese	mg/Kg	91.8	108	1270	159	288
Mercury	mg/Kg	ND (0.12)	ND (0.12)	0.12	ND (0.0054)	ND (0.0056)
Nickel	mg/Kg	ND (4.6)	6.4	31.4	9.6	14.1

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***Comp of Group 6***	***Comp of Group 7***	***Comp of Group 8***	***Comp of Group 9***	***Comp of Group 10***
Sample ID:		***S-12609-041300-RSH-575***	***S-12609-041300-RSH-576***	***S-12609-041300-RSH-577***	***S-12609-041400-RSH-603***	***S-12609-041400-RSH-604***
Sample Depth:						
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	ND (577)	ND (600)	ND (621)	736	987
Selenium	mg/Kg	ND (0.58)	ND (0.60)	ND (0.62)	ND (0.44)	ND (0.45)
Silver	mg/Kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.15)	ND (0.16)
Sodium	mg/Kg	ND (577)	ND (600)	ND (621)	ND (27.7)	ND (28.7)
Thallium	mg/Kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.67)	ND (0.69)
Vanadium	mg/Kg	8.0	12.1	43.0	16.7	16.4
Zinc	mg/Kg	9.9	18.2	712	34.0	62.7
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 11*	*Comp of Group 12*	*TP-D5-00*	*TP-D6-00*	*TP-E1-00*
Sample ID:		*S-12609-041400-RSH-605*	*S-12609-041400-RSH-606*	*S-12609-041400-RSH-598*	*S-12609-041400-RSH-600*	*S-12609-041400-RSH-588*
Sample Depth:				*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,1-Dichloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,1-Dichloroethene	ug/Kg	-	-	ND (5.2)	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	ND (10)	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	ND (5.2)	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
1,2-Dichloroethane	ug/Kg	-	-	ND (5.2)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	ND (5.2)	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
2-Butanone	ug/Kg	-	-	ND (21)	-	-
2-Hexanone	ug/Kg	-	-	ND (21)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (21)	-	-
Acetone	ug/Kg	-	-	ND (21) U	-	-
Benzene, isopropyl	ug/Kg	-	-	ND (5.2)	-	-
Benzene	ug/Kg	-	-	ND (5.2)	-	-
Bromodichloromethane	ug/Kg	-	-	ND (5.2)	-	-
Bromoform	ug/Kg	-	-	ND (5.2)	-	-
Bromomethane	ug/Kg	-	-	ND (10)	-	-
Carbon disulfide	ug/Kg	-	-	ND (5.2)	-	-
Carbon tetrachloride	ug/Kg	-	-	ND (5.2)	-	-
Chlorobenzene	ug/Kg	-	-	ND (5.2)	-	-
Chloroethane	ug/Kg	-	-	ND (10)	-	-
Chloroform	ug/Kg	-	-	ND (5.2)	-	-
Chloromethane	ug/Kg	-	-	ND (10)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	ND (2.6)	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	ND (5.2)	-	-
Cyclohexane	ug/Kg	-	-	ND (10)	-	-
Dibromochloromethane	ug/Kg	-	-	ND (5.2)	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	ND (10)	-	-
Ethylbenzene	ug/Kg	-	-	ND (5.2)	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	ND (10)	-	-
Methyl cyclohexane	ug/Kg	-	-	ND (10)	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	ND (21)	-	-
Methylene chloride	ug/Kg	-	-	0.45 J	-	-
Styrene	ug/Kg	-	-	ND (5.2)	-	-
Tetrachloroethene	ug/Kg	-	-	1.1 J	-	-
Toluene	ug/Kg	-	-	0.32 J	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	ND (2.6)	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	ND (5.2)	-	-
Trichloroethene	ug/Kg	-	-	ND (5.2)	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	ND (10)	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	ND (5.2)	-	-
Vinyl chloride	ug/Kg	-	-	ND (10)	-	-
Xylene (total)	ug/Kg	-	-	0.88 J	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 11*	*Comp of Group 12*	*TP-D5-00*	*TP-D6-00*	*TP-E1-00*
Sample ID:		*S-12609-041400-RSH-605*	*S-12609-041400-RSH-606*	*S-12609-041400-RSH-598*	*S-12609-041400-RSH-600*	*S-12609-041400-RSH-588*
Sample Depth:				*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	ND (74)	ND (81)	-	-	-
2,4,6-Trichlorophenol	ug/Kg	ND (74)	ND (81)	-	-	-
2,4-Dichlorophenol	ug/Kg	ND (51)	ND (55)	-	-	-
2,4-Dimethylphenol	ug/Kg	ND (53)	ND (58)	-	-	-
2,4-Dinitrophenol	ug/Kg	ND (83)	ND (91)	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (54)	ND (59)	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (52)	ND (57)	-	-	-
2-Chloronaphthalene	ug/Kg	ND (43)	ND (48)	-	-	-
2-Chlorophenol	ug/Kg	ND (48)	ND (53)	-	-	-
2-Methyl naphthalene	ug/Kg	ND (43)	ND (48)	-	-	-
2-Methylphenol	ug/Kg	ND (45)	ND (49)	-	-	-
2-Nitroaniline	ug/Kg	ND (45)	ND (49)	-	-	-
2-Nitrophenol	ug/Kg	ND (46)	ND (50)	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (52)	ND (57)	-	-	-
3-Nitroaniline	ug/Kg	ND (38)	ND (41)	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (54)	ND (59)	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (46)	ND (50)	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (59)	ND (64)	-	-	-
4-Chloroaniline	ug/Kg	ND (78)	ND (85)	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (52)	ND (57)	-	-	-
4-Methylphenol	ug/Kg	ND (39)	ND (42)	-	-	-
4-Nitroaniline	ug/Kg	ND (65)	ND (71)	-	-	-
4-Nitrophenol	ug/Kg	ND (61)	ND (67)	-	-	-
Acenaphthene	ug/Kg	ND (53)	160 J	-	-	-
Acenaphthylene	ug/Kg	ND (43)	ND (48)	-	-	-
Acetophenone	ug/Kg	ND (380)	ND (410)	-	-	-
Anthracene	ug/Kg	ND (43)	530	-	-	-
Atrazine	ug/Kg	ND (21)	ND (23)	-	-	-
Benzaldehyde	ug/Kg	ND (94)	ND (100)	-	-	-
Benzo(a)anthracene	ug/Kg	ND (53)	1300	-	-	-
Benzo(a)pyrene	ug/Kg	ND (43)	1100	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (61)	1500	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (48)	690	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (38)	580	-	-	-
Biphenyl	ug/Kg	ND (20)	ND (22)	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (47)	ND (51)	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (81)	ND (89)	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (46)	ND (50)	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (43)	ND (48)	-	-	-
Butyl benzylphthalate	ug/Kg	ND (46)	ND (50)	-	-	-
Caprolactam	ug/Kg	ND (31)	ND (33)	-	-	-
Carbazole	ug/Kg	ND (49)	220 J	-	-	-
Chrysene	ug/Kg	ND (42)	1300	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (65)	190 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*Comp of Group 11*	*Comp of Group 12*	*TP-D5-00*	*TP-D6-00*	*TP-E1-00*
Sample ID:		*S-12609-041400-RSH-605*	*S-12609-041400-RSH-606*	*S-12609-041400-RSH-598*	*S-12609-041400-RSH-600*	*S-12609-041400-RSH-588*
Sample Depth:				*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (58)	90 J	-	-	-
Diethyl phthalate	ug/Kg	ND (60)	ND (66)	-	-	-
Dimethyl phthalate	ug/Kg	ND (46)	ND (50)	-	-	-
Di-n-butylphthalate	ug/Kg	ND (51)	ND (55)	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (43)	ND (48)	-	-	-
Fluoranthene	ug/Kg	ND (46)	3200	-	-	-
Fluorene	ug/Kg	ND (52)	180 J	-	-	-
Hexachlorobenzene	ug/Kg	ND (45)	ND (49)	-	-	-
Hexachlorobutadiene	ug/Kg	ND (45)	ND (49)	-	-	-
Hexachlorocyclopentadiene	ug/Kg	ND (31)	ND (33)	-	-	-
Hexachloroethane	ug/Kg	ND (41)	ND (45)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (60)	780	-	-	-
Isophorone	ug/Kg	ND (46)	ND (50)	-	-	-
Naphthalene	ug/Kg	ND (46)	ND (50)	-	-	-
Nitrobenzene	ug/Kg	ND (43)	ND (48)	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (41)	ND (45)	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (47)	ND (51)	-	-	-
Pentachlorophenol	ug/Kg	ND (52)	ND (57)	-	-	-
Phenanthrene	ug/Kg	ND (46)	2000	-	-	-
Phenol	ug/Kg	ND (60)	ND (66)	-	-	-
Pyrene	ug/Kg	ND (48)	2500	-	-	-
PCBs						
Aroclor-1016	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1221	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1232	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1242	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1248	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Aroclor-1254	ug/Kg	-	-	ND (43)	ND (40)	43
Aroclor-1260	ug/Kg	-	-	ND (43)	ND (40)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	8570	7560	-	-	-
Antimony	mg/Kg	ND (1.8)	ND (1.9)	-	-	-
Arsenic	mg/Kg	4.6	4.9	-	-	-
Barium	mg/Kg	59.7	62.6	-	-	-
Beryllium	mg/Kg	ND (0.14)	ND (0.15)	-	-	-
Cadmium	mg/Kg	ND (0.26)	ND (0.28)	-	-	-
Calcium	mg/Kg	6820	17000	-	-	-
Chromium	mg/Kg	21.8	14.8	-	-	-
Cobalt	mg/Kg	7.1	ND (0.76)	-	-	-
Copper	mg/Kg	17.7	42.6	-	-	-
Iron	mg/Kg	15400	12400	-	-	-
Lead	mg/Kg	13.1	32.8	-	-	-
Magnesium	mg/Kg	4460	6700	-	-	-
Manganese	mg/Kg	324	300	-	-	-
Mercury	mg/Kg	ND (0.0055)	0.19	-	-	-
Nickel	mg/Kg	43.3	14.9	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***Comp of Group 11***	***Comp of Group 12***	***TP-D5-00***	***TP-D6-00***	***TP-E1-00***
Sample ID:		***S-12609-041400-RSH-605***	***S-12609-041400-RSH-606***	***S-12609-041400-RSH-598***	***S-12609-041400-RSH-600***	***S-12609-041400-RSH-588***
Sample Depth:				***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	1320	825	-	-	-
Selenium	mg/Kg	ND (0.45)	ND (0.49)	-	-	-
Silver	mg/Kg	ND (0.15)	ND (0.17)	-	-	-
Sodium	mg/Kg	ND (28.2)	ND (30.8)	-	-	-
Thallium	mg/Kg	ND (0.68)	ND (0.75)	-	-	-
Vanadium	mg/Kg	20.3	15.4	-	-	-
Zinc	mg/Kg	44.3	87.8	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-E1-00*	*TP-E2-00*	*TP-E5-00*	*TP-E6-00*	*TP-F1-00*
Sample ID:		*S-12609-041400-RSH-589*	*S-12609-041400-RSH-591*	*S-12609-041400-RSH-602*	*S-12609-041400-RSH-601*	*S-12609-041400-RSH-586*
Sample Depth:		*(1-2)*	*(0-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-E1-00*	*TP-E2-00*	*TP-E5-00*	*TP-E6-00*	*TP-F1-00*
Sample ID:		*S-12609-041400-RSH-589*	*S-12609-041400-RSH-591*	*S-12609-041400-RSH-602*	*S-12609-041400-RSH-601*	*S-12609-041400-RSH-586*
Sample Depth:		*(1-2)*	*(0-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-E1-00***	***TP-E2-00***	***TP-E5-00***	***TP-E6-00***	***TP-F1-00***
Sample ID:		***S-12609-041400-RSH-589***	***S-12609-041400-RSH-591***	***S-12609-041400-RSH-602***	***S-12609-041400-RSH-601***	***S-12609-041400-RSH-586***
Sample Depth:		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1221	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1232	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1242	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1248	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1254	ug/Kg	45	ND (38)	ND (40)	ND (41)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (38)	ND (40)	ND (41)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-E1-00***	***TP-E2-00***	***TP-E5-00***	***TP-E6-00***	***TP-F1-00***
Sample ID:		***S-12609-041400-RSH-589***	***S-12609-041400-RSH-591***	***S-12609-041400-RSH-602***	***S-12609-041400-RSH-601***	***S-12609-041400-RSH-586***
Sample Depth:		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-F1-00*	*TP-F2-00*	*TP-G1-00*	*TP-G2-00*	*TP-H1-00*
Sample ID:		*S-12609-041400-RSH-587*	*S-12609-041400-RSH-590*	*S-12609-041400-RSH-584*	*S-12609-041400-RSH-585*	*S-12609-041400-RSH-583*
Sample Depth:		*(1-2)*	*(1-2)*	*(2-3)*	*(0-4)*	*(0-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (6.4)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (13)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (6.4)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (6.4)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (6.4)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
2-Butanone	ug/Kg	-	ND (26)	-	-	-
2-Hexanone	ug/Kg	-	ND (26)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (26)	-	-	-
Acetone	ug/Kg	-	ND (26) U	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (6.4)	-	-	-
Benzene	ug/Kg	-	ND (6.4)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (6.4)	-	-	-
Bromoform	ug/Kg	-	ND (6.4)	-	-	-
Bromomethane	ug/Kg	-	ND (13)	-	-	-
Carbon disulfide	ug/Kg	-	ND (6.4)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (6.4)	-	-	-
Chlorobenzene	ug/Kg	-	ND (6.4)	-	-	-
Chloroethane	ug/Kg	-	ND (13)	-	-	-
Chloroform	ug/Kg	-	ND (6.4)	-	-	-
Chloromethane	ug/Kg	-	ND (13)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (3.2)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (6.4)	-	-	-
Cyclohexane	ug/Kg	-	ND (13)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (6.4)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (13)	-	-	-
Ethylbenzene	ug/Kg	-	ND (6.4)	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	ND (13)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (13)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (26)	-	-	-
Methylene chloride	ug/Kg	-	1.5 J	-	-	-
Styrene	ug/Kg	-	ND (6.4)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (6.4)	-	-	-
Toluene	ug/Kg	-	0.57 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (3.2)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (6.4)	-	-	-
Trichloroethene	ug/Kg	-	ND (6.4)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (13)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (6.4)	-	-	-
Vinyl chloride	ug/Kg	-	ND (13)	-	-	-
Xylene (total)	ug/Kg	-	1.6 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-F1-00*	*TP-F2-00*	*TP-G1-00*	*TP-G2-00*	*TP-H1-00*
Sample ID:		*S-12609-041400-RSH-587*	*S-12609-041400-RSH-590*	*S-12609-041400-RSH-584*	*S-12609-041400-RSH-585*	*S-12609-041400-RSH-583*
Sample Depth:		*(1-2)*	*(1-2)*	*(2-3)*	*(0-4)*	*(0-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-F1-00***	***TP-F2-00***	***TP-G1-00***	***TP-G2-00***	***TP-H1-00***
Sample ID:		***S-12609-041400-RSH-587***	***S-12609-041400-RSH-590***	***S-12609-041400-RSH-584***	***S-12609-041400-RSH-585***	***S-12609-041400-RSH-583***
Sample Depth:		***(1-2)***	***(1-2)***	***(2-3)***	***(0-4)***	***(0-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1221	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1232	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1242	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1248	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Aroclor-1254	ug/Kg	ND (38)	74	120	ND (38)	ND (35)
Aroclor-1260	ug/Kg	ND (38)	ND (43)	ND (38)	ND (38)	ND (35)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-F1-00***	***TP-F2-00***	***TP-G1-00***	***TP-G2-00***	***TP-H1-00***
Sample ID:		***S-12609-041400-RSH-587***	***S-12609-041400-RSH-590***	***S-12609-041400-RSH-584***	***S-12609-041400-RSH-585***	***S-12609-041400-RSH-583***
Sample Depth:		***(1-2)***	***(1-2)***	***(2-3)***	***(0-4)***	***(0-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-H2-00*	*HA-C1-00*	*HA-C2-00*	*HA-C2-00*	*HA-D1-00*
Sample ID:		*S-12609-041400-RSH-582*	*S-12609-041400-DRD-417*	*S-12609-041400-DRD-419*	*S-12609-041400-DRD-420*	*S-12609-041400-DRD-423*
Sample Depth:		*(1-2)*	*(0-1)*	*(0-1)*	*(3-4)*	*(0-1)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-H2-00*	*HA-C1-00*	*HA-C2-00*	*HA-C2-00*	*HA-D1-00*
Sample ID:		*S-12609-041400-RSH-582*	*S-12609-041400-DRD-417*	*S-12609-041400-DRD-419*	*S-12609-041400-DRD-420*	*S-12609-041400-DRD-423*
Sample Depth:		*(1-2)*	*(0-1)*	*(0-1)*	*(3-4)*	*(0-1)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-H2-00***	***HA-C1-00***	***HA-C2-00***	***HA-C2-00***	***HA-D1-00***
Sample ID:		***S-12609-041400-RSH-582***	***S-12609-041400-DRD-417***	***S-12609-041400-DRD-419***	***S-12609-041400-DRD-420***	***S-12609-041400-DRD-423***
Sample Depth:		***(1-2)***	***(0-1)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (77)	ND (38)	ND (36)	ND (17)	ND (18)
Aroclor-1221	ug/Kg	ND (77)	ND (48)	ND (46)	ND (22)	ND (23)
Aroclor-1232	ug/Kg	ND (77)	ND (51)	ND (49)	ND (23)	ND (25)
Aroclor-1242	ug/Kg	ND (77)	ND (61)	ND (58)	ND (28)	ND (29)
Aroclor-1248	ug/Kg	ND (77)	ND (20)	ND (20)	ND (9.4)	ND (10)
Aroclor-1254	ug/Kg	550	390 J	440	260	ND (25)
Aroclor-1260	ug/Kg	ND (77)	ND (35)	ND (34)	ND (16)	ND (17)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-H2-00***	***HA-C1-00***	***HA-C2-00***	***HA-C2-00***	***HA-D1-00***
Sample ID:		***S-12609-041400-RSH-582***	***S-12609-041400-DRD-417***	***S-12609-041400-DRD-419***	***S-12609-041400-DRD-420***	***S-12609-041400-DRD-423***
Sample Depth:		***(1-2)***	***(0-1)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-D1-00*	*HA-D2-00*	*HA-D2-00*	*HA-D3-00*	*HA-D3-00*
Sample ID:		*S-12609-041400-DRD-424*	*S-12609-041400-DRD-421*	*S-12609-041400-DRD-422*	*S-12609-041300-DRD-411*	*S-12609-041300-DRD-412*
Sample Depth:		*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-D1-00*	*HA-D2-00*	*HA-D2-00*	*HA-D3-00*	*HA-D3-00*
Sample ID:		*S-12609-041400-DRD-424*	*S-12609-041400-DRD-421*	*S-12609-041400-DRD-422*	*S-12609-041300-DRD-411*	*S-12609-041300-DRD-412*
Sample Depth:		*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D1-00***	***HA-D2-00***	***HA-D2-00***	***HA-D3-00***	***HA-D3-00***
Sample ID:		***S-12609-041400-DRD-424***	***S-12609-041400-DRD-421***	***S-12609-041400-DRD-422***	***S-12609-041300-DRD-411***	***S-12609-041300-DRD-412***
Sample Depth:		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (18)	ND (19)	ND (18)	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (22)	ND (24)	ND (23)	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (24)	ND (25)	ND (24)	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (28)	ND (30)	ND (29)	ND (41)	ND (39)
Aroclor-1248	ug/Kg	ND (9.6)	ND (10)	ND (9.9)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (24)	ND (25)	ND (24)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (17)	ND (17)	ND (17)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D1-00***	***HA-D2-00***	***HA-D2-00***	***HA-D3-00***	***HA-D3-00***
Sample ID:		***S-12609-041400-DRD-424***	***S-12609-041400-DRD-421***	***S-12609-041400-DRD-422***	***S-12609-041300-DRD-411***	***S-12609-041300-DRD-412***
Sample Depth:		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-D4-00*	*HA-D4-00*	*HA-E3-00*	*HA-E3-00*	*HA-E4-00*
Sample ID:		*S-12609-041300-DRD-409*	*S-12609-041300-DRD-410*	*S-12609-041300-DRD-413*	*S-12609-041300-DRD-414*	*S-12609-041400-DRD-435*
Sample Depth:		*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-D4-00*	*HA-D4-00*	*HA-E3-00*	*HA-E3-00*	*HA-E4-00*
Sample ID:		*S-12609-041300-DRD-409*	*S-12609-041300-DRD-410*	*S-12609-041300-DRD-413*	*S-12609-041300-DRD-414*	*S-12609-041400-DRD-435*
Sample Depth:		*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D4-00***	***HA-D4-00***	***HA-E3-00***	***HA-E3-00***	***HA-E4-00***
Sample ID:		***S-12609-041300-DRD-409***	***S-12609-041300-DRD-410***	***S-12609-041300-DRD-413***	***S-12609-041300-DRD-414***	***S-12609-041400-DRD-435***
Sample Depth:		***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (20)
Aroclor-1221	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (25)
Aroclor-1232	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (27)
Aroclor-1242	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (32)
Aroclor-1248	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (11)
Aroclor-1254	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (27)
Aroclor-1260	ug/Kg	ND (42)	ND (36)	ND (40)	ND (40)	ND (19)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-D4-00***	***HA-D4-00***	***HA-E3-00***	***HA-E3-00***	***HA-E4-00***
Sample ID:		***S-12609-041300-DRD-409***	***S-12609-041300-DRD-410***	***S-12609-041300-DRD-413***	***S-12609-041300-DRD-414***	***S-12609-041400-DRD-435***
Sample Depth:		***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-E4-00*	*HA-F3-00*	*HA-F3-00*	*HA-F4-00*	*HA-F4-00*
Sample ID:		*S-12609-041400-DRD-436*	*S-12609-041300-DRD-415*	*S-12609-041300-DRD-416*	*S-12609-041400-DRD-425*	*S-12609-041400-DRD-426*
Sample Depth:		*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-E4-00*	*HA-F3-00*	*HA-F3-00*	*HA-F4-00*	*HA-F4-00*
Sample ID:		*S-12609-041400-DRD-436*	*S-12609-041300-DRD-415*	*S-12609-041300-DRD-416*	*S-12609-041400-DRD-425*	*S-12609-041400-DRD-426*
Sample Depth:		*(3-4)*	*(0-1)*	*(3-4)*	*(0-1)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/13/2000*	*4/13/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-E4-00***	***HA-F3-00***	***HA-F3-00***	***HA-F4-00***	***HA-F4-00***
Sample ID:		***S-12609-041400-DRD-436***	***S-12609-041300-DRD-415***	***S-12609-041300-DRD-416***	***S-12609-041400-DRD-425***	***S-12609-041400-DRD-426***
Sample Depth:		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (18)	ND (40)	ND (38)	ND (18)	ND (17)
Aroclor-1221	ug/Kg	ND (23)	ND (40)	ND (38)	ND (23)	ND (22)
Aroclor-1232	ug/Kg	ND (24)	ND (40)	ND (38)	ND (24)	ND (23)
Aroclor-1242	ug/Kg	ND (29)	ND (40)	ND (38)	ND (29)	ND (28)
Aroclor-1248	ug/Kg	ND (9.7)	ND (40)	ND (38)	ND (9.8)	ND (9.4)
Aroclor-1254	ug/Kg	ND (24)	ND (40)	ND (38)	ND (24)	ND (23)
Aroclor-1260	ug/Kg	ND (17)	ND (40)	ND (38)	ND (17)	ND (16)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-E4-00***	***HA-F3-00***	***HA-F3-00***	***HA-F4-00***	***HA-F4-00***
Sample ID:		***S-12609-041400-DRD-436***	***S-12609-041300-DRD-415***	***S-12609-041300-DRD-416***	***S-12609-041400-DRD-425***	***S-12609-041400-DRD-426***
Sample Depth:		***(3-4)***	***(0-1)***	***(3-4)***	***(0-1)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/13/2000***	***4/13/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-F5-00*	*HA-F6-00*	*HA-F6-00*	*HA-F6-00*	*HA-F6-00*
Sample ID:		*S-12609-041400-DRD-427*	*S-12609-041400-DRD-429*	*S-12609-041400-DRD-431*	*S-12609-041400-DRD-430*	*S-12609-041400-DRD-432*
Sample Depth:		*(0-1)*	*(0-1)*	*(0-1)*	*(3-4)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*HA-F5-00*	*HA-F6-00*	*HA-F6-00*	*HA-F6-00*	*HA-F6-00*
Sample ID:		*S-12609-041400-DRD-427*	*S-12609-041400-DRD-429*	*S-12609-041400-DRD-431*	*S-12609-041400-DRD-430*	*S-12609-041400-DRD-432*
Sample Depth:		*(0-1)*	*(0-1)*	*(0-1)*	*(3-4)*	*(3-4)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-F5-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***
Sample ID:		***S-12609-041400-DRD-427***	***S-12609-041400-DRD-429***	***S-12609-041400-DRD-431***	***S-12609-041400-DRD-430***	***S-12609-041400-DRD-432***
Sample Depth:		***(0-1)***	***(0-1)***	***(0-1)***	***(3-4)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (18)	ND (18)	ND (17)	ND (19)	ND (18)
Aroclor-1221	ug/Kg	ND (23)	ND (23)	ND (22)	ND (24)	ND (23)
Aroclor-1232	ug/Kg	ND (24)	ND (24)	ND (23)	ND (25)	ND (24)
Aroclor-1242	ug/Kg	ND (29)	ND (29)	ND (27)	ND (30)	ND (29)
Aroclor-1248	ug/Kg	ND (9.6)	ND (9.9)	ND (9.3)	ND (10)	ND (9.8)
Aroclor-1254	ug/Kg	ND (24)	ND (24)	ND (23)	ND (25)	ND (24)
Aroclor-1260	ug/Kg	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***HA-F5-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***	***HA-F6-00***
Sample ID:		***S-12609-041400-DRD-427***	***S-12609-041400-DRD-429***	***S-12609-041400-DRD-431***	***S-12609-041400-DRD-430***	***S-12609-041400-DRD-432***
Sample Depth:		***(0-1)***	***(0-1)***	***(0-1)***	***(3-4)***	***(3-4)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-I1-00*	*TP-I2-00*	*TP-I3-00*	*TP-I3-00*	*TP-J1-00*
Sample ID:		*S-12609-041400-RSH-578*	*S-12609-041400-RSH-579*	*S-12609-041400-RSH-580*	*S-12609-041400-RSH-581*	*S-12609-041300-RSH-574*
Sample Depth:		*(1-2)*	*(0-4)*	*(1-2)*	*(1-2)*	*(2-3)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (0.11)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (0.32)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (0.18)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (0.18)	-	-	-
1,1-Dichloroethene	ug/Kg	-	1.3 J	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (0.67)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (0.13)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (0.22)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (0.22)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (0.26)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (0.22)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (0.28)	-	-	-
2-Butanone	ug/Kg	-	ND (0.91)	-	-	-
2-Hexanone	ug/Kg	-	ND (0.64)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	ND (0.42)	-	-	-
Acetone	ug/Kg	-	ND (2.1)	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (0.74)	-	-	-
Benzene	ug/Kg	-	ND (0.23)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (0.19)	-	-	-
Bromoform	ug/Kg	-	ND (0.25)	-	-	-
Bromomethane	ug/Kg	-	ND (0.82)	-	-	-
Carbon disulfide	ug/Kg	-	ND (0.32)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (0.10)	-	-	-
Chlorobenzene	ug/Kg	-	ND (0.20)	-	-	-
Chloroethane	ug/Kg	-	ND (0.41)	-	-	-
Chloroform	ug/Kg	-	ND (0.23)	-	-	-
Chloromethane	ug/Kg	-	ND (0.51)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (0.12)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (0.23)	-	-	-
Cyclohexane	ug/Kg	-	ND (0.25)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (0.19)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (0.24)	-	-	-
Ethylbenzene	ug/Kg	-	ND (0.25)	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	ND (0.47)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (0.26)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (0.11)	-	-	-
Methylene chloride	ug/Kg	-	1.1 J	-	-	-
Styrene	ug/Kg	-	ND (0.22)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (0.18)	-	-	-
Toluene	ug/Kg	-	0.42 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (0.20)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (0.10)	-	-	-
Trichloroethene	ug/Kg	-	ND (0.21)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (0.14)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (0.38)	-	-	-
Vinyl chloride	ug/Kg	-	ND (0.14)	-	-	-
Xylene (total)	ug/Kg	-	0.92 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-I1-00*	*TP-I2-00*	*TP-I3-00*	*TP-I3-00*	*TP-J1-00*
Sample ID:		*S-12609-041400-RSH-578*	*S-12609-041400-RSH-579*	*S-12609-041400-RSH-580*	*S-12609-041400-RSH-581*	*S-12609-041300-RSH-574*
Sample Depth:		*(1-2)*	*(0-4)*	*(1-2)*	*(1-2)*	*(2-3)*
Sample Date:		*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/14/2000*	*4/13/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-I1-00***	***TP-I2-00***	***TP-I3-00***	***TP-I3-00***	***TP-J1-00***
Sample ID:		***S-12609-041400-RSH-578***	***S-12609-041400-RSH-579***	***S-12609-041400-RSH-580***	***S-12609-041400-RSH-581***	***S-12609-041300-RSH-574***
Sample Depth:		***(1-2)***	***(0-4)***	***(1-2)***	***(1-2)***	***(2-3)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (17)	ND (17)	ND (17)	ND (17)	ND (42)
Aroclor-1221	ug/Kg	ND (21)	ND (21)	ND (22)	ND (22)	ND (42)
Aroclor-1232	ug/Kg	ND (22)	ND (22)	ND (23)	ND (23)	ND (42)
Aroclor-1242	ug/Kg	ND (27)	ND (27)	ND (27)	ND (27)	ND (42)
Aroclor-1248	ug/Kg	ND (9.1)	ND (9.0)	ND (9.2)	ND (9.2)	530
Aroclor-1254	ug/Kg	ND (22)	ND (22)	ND (23)	ND (23)	ND (42)
Aroclor-1260	ug/Kg	200	ND (16)	ND (16)	ND (16)	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	146
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-I1-00***	***TP-I2-00***	***TP-I3-00***	***TP-I3-00***	***TP-J1-00***
Sample ID:		***S-12609-041400-RSH-578***	***S-12609-041400-RSH-579***	***S-12609-041400-RSH-580***	***S-12609-041400-RSH-581***	***S-12609-041300-RSH-574***
Sample Depth:		***(1-2)***	***(0-4)***	***(1-2)***	***(1-2)***	***(2-3)***
Sample Date:		***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/14/2000***	***4/13/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J2-00*	*TP-J3-00*	*TP-K1-00*	*TP-K2-00*	*TP-K3-00*
Sample ID:		*S-12609-041300-RSH-570*	*S-12609-041300-RSH-569*	*S-12609-041300-RSH-573*	*S-12609-041300-RSH-571*	*S-12609-041300-RSH-568*
Sample Depth:		*(1-2)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethene	ug/Kg	-	-	-	-	2.0 J
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	ND (9.5)
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	ND (4.8)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
2-Butanone	ug/Kg	-	-	-	-	ND (19)
2-Hexanone	ug/Kg	-	-	-	-	ND (19)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	ND (19)
Acetone	ug/Kg	-	-	-	-	ND (19)
Benzene, isopropyl	ug/Kg	-	-	-	-	ND (4.8)
Benzene	ug/Kg	-	-	-	-	ND (4.8)
Bromodichloromethane	ug/Kg	-	-	-	-	ND (4.8)
Bromoform	ug/Kg	-	-	-	-	ND (4.8)
Bromomethane	ug/Kg	-	-	-	-	ND (9.5)
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.8)
Carbon tetrachloride	ug/Kg	-	-	-	-	ND (4.8)
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
Chloroethane	ug/Kg	-	-	-	-	ND (9.5)
Chloroform	ug/Kg	-	-	-	-	ND (4.8)
Chloromethane	ug/Kg	-	-	-	-	ND (9.5)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.4)
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.8)
Cyclohexane	ug/Kg	-	-	-	-	ND (9.5)
Dibromochloromethane	ug/Kg	-	-	-	-	ND (4.8)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	ND (9.5)
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.8)
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	ND (9.5)
Methyl cyclohexane	ug/Kg	-	-	-	-	ND (9.5)
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	ND (19)
Methylene chloride	ug/Kg	-	-	-	-	2.3 J
Styrene	ug/Kg	-	-	-	-	0.28 J
Tetrachloroethene	ug/Kg	-	-	-	-	ND (4.8)
Toluene	ug/Kg	-	-	-	-	0.59 J
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	ND (2.4)
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.8)
Trichloroethene	ug/Kg	-	-	-	-	ND (4.8)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	ND (9.5)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	ND (4.8)
Vinyl chloride	ug/Kg	-	-	-	-	ND (9.5)
Xylene (total)	ug/Kg	-	-	-	-	2.2 J

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J2-00*	*TP-J3-00*	*TP-K1-00*	*TP-K2-00*	*TP-K3-00*
Sample ID:		*S-12609-041300-RSH-570*	*S-12609-041300-RSH-569*	*S-12609-041300-RSH-573*	*S-12609-041300-RSH-571*	*S-12609-041300-RSH-568*
Sample Depth:		*(1-2)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J2-00***	***TP-J3-00***	***TP-K1-00***	***TP-K2-00***	***TP-K3-00***
Sample ID:		***S-12609-041300-RSH-570***	***S-12609-041300-RSH-569***	***S-12609-041300-RSH-573***	***S-12609-041300-RSH-571***	***S-12609-041300-RSH-568***
Sample Depth:		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1221	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1232	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1242	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1248	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Aroclor-1254	ug/Kg	210	ND (38)	ND (37)	ND (36)	69
Aroclor-1260	ug/Kg	ND (38)	ND (38)	ND (37)	ND (36)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	9.2	6.6	5.2	6.7	21.0
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J2-00***	***TP-J3-00***	***TP-K1-00***	***TP-K2-00***	***TP-K3-00***
Sample ID:		***S-12609-041300-RSH-570***	***S-12609-041300-RSH-569***	***S-12609-041300-RSH-573***	***S-12609-041300-RSH-571***	***S-12609-041300-RSH-568***
Sample Depth:		***(1-2)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-K4-00*	*TP-L1-00*	*TP-L2-00*	*TP-L3-00*	*TP-L4-00*
Sample ID:		*S-12609-041300-RSH-567*	*S-12609-041300-RSH-565*	*S-12609-041300-RSH-572*	*S-12609-041300-RSH-561*	*S-12609-041300-RSH-566*
Sample Depth:		*(0-4)*	*(0-5)*	*(0-4)*	*(0-4)*	*(0-5)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-K4-00*	*TP-L1-00*	*TP-L2-00*	*TP-L3-00*	*TP-L4-00*
Sample ID:		*S-12609-041300-RSH-567*	*S-12609-041300-RSH-565*	*S-12609-041300-RSH-572*	*S-12609-041300-RSH-561*	*S-12609-041300-RSH-566*
Sample Depth:		*(0-4)*	*(0-5)*	*(0-4)*	*(0-4)*	*(0-5)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-K4-00***	***TP-L1-00***	***TP-L2-00***	***TP-L3-00***	***TP-L4-00***
Sample ID:		***S-12609-041300-RSH-567***	***S-12609-041300-RSH-565***	***S-12609-041300-RSH-572***	***S-12609-041300-RSH-561***	***S-12609-041300-RSH-566***
Sample Depth:		***(0-4)***	***(0-5)***	***(0-4)***	***(0-4)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1221	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1232	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1242	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1248	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	40
Aroclor-1254	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (37)	ND (37)	ND (37)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	13.3	-	5.7	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-K4-00***	***TP-L1-00***	***TP-L2-00***	***TP-L3-00***	***TP-L4-00***
Sample ID:		***S-12609-041300-RSH-567***	***S-12609-041300-RSH-565***	***S-12609-041300-RSH-572***	***S-12609-041300-RSH-561***	***S-12609-041300-RSH-566***
Sample Depth:		***(0-4)***	***(0-5)***	***(0-4)***	***(0-4)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-M1-00*	*TP-M2-00*	*TP-M3-00*	*TP-M4-00*	*TP-N1-00*
Sample ID:		*S-12609-041300-RSH-564*	*S-12609-041300-RSH-563*	*S-12609-041300-RSH-560*	*S-12609-041300-RSH-562*	*S-12609-041300-RSH-556*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.2)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (10)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (5.2)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (5.2)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (5.2)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
2-Butanone	ug/Kg	-	ND (21)	-	-	-
2-Hexanone	ug/Kg	-	ND (21)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	0.81 J	-	-	-
Acetone	ug/Kg	-	ND (21) U	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (5.2)	-	-	-
Benzene	ug/Kg	-	ND (5.2)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (5.2)	-	-	-
Bromoform	ug/Kg	-	ND (5.2)	-	-	-
Bromomethane	ug/Kg	-	ND (10)	-	-	-
Carbon disulfide	ug/Kg	-	ND (5.2)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (5.2)	-	-	-
Chlorobenzene	ug/Kg	-	ND (5.2)	-	-	-
Chloroethane	ug/Kg	-	ND (10)	-	-	-
Chloroform	ug/Kg	-	ND (5.2)	-	-	-
Chloromethane	ug/Kg	-	ND (10)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.6)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (5.2)	-	-	-
Cyclohexane	ug/Kg	-	ND (10)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (5.2)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (10)	-	-	-
Ethylbenzene	ug/Kg	-	ND (5.2)	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	ND (10)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (10)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (21)	-	-	-
Methylene chloride	ug/Kg	-	0.97 J	-	-	-
Styrene	ug/Kg	-	ND (5.2)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (5.2)	-	-	-
Toluene	ug/Kg	-	0.53 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.6)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (5.2)	-	-	-
Trichloroethene	ug/Kg	-	ND (5.2)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (10)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (5.2)	-	-	-
Vinyl chloride	ug/Kg	-	ND (10)	-	-	-
Xylene (total)	ug/Kg	-	1.4 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-M1-00*	*TP-M2-00*	*TP-M3-00*	*TP-M4-00*	*TP-N1-00*
Sample ID:		*S-12609-041300-RSH-564*	*S-12609-041300-RSH-563*	*S-12609-041300-RSH-560*	*S-12609-041300-RSH-562*	*S-12609-041300-RSH-556*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-M1-00***	***TP-M2-00***	***TP-M3-00***	***TP-M4-00***	***TP-N1-00***
Sample ID:		***S-12609-041300-RSH-564***	***S-12609-041300-RSH-563***	***S-12609-041300-RSH-560***	***S-12609-041300-RSH-562***	***S-12609-041300-RSH-556***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1221	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1232	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1242	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1248	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Aroclor-1254	ug/Kg	ND (39)	400 J	ND (35)	ND (40)	ND (41)
Aroclor-1260	ug/Kg	ND (39)	ND (75)	ND (35)	ND (40)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-M1-00***	***TP-M2-00***	***TP-M3-00***	***TP-M4-00***	***TP-N1-00***
Sample ID:		***S-12609-041300-RSH-564***	***S-12609-041300-RSH-563***	***S-12609-041300-RSH-560***	***S-12609-041300-RSH-562***	***S-12609-041300-RSH-556***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-N2-00*	*TP-N3-00*	*TP-N3-00*	*TP-N4-00*	*TP-N5-00*
Sample ID:		*S-12609-041300-RSH-557*	*S-12609-041300-RSH-558*	*S-12609-041300-RSH-559*	*S-12609-041200-RSH-545*	*S-12609-041200-RSH-544*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-N2-00*	*TP-N3-00*	*TP-N3-00*	*TP-N4-00*	*TP-N5-00*
Sample ID:		*S-12609-041300-RSH-557*	*S-12609-041300-RSH-558*	*S-12609-041300-RSH-559*	*S-12609-041200-RSH-545*	*S-12609-041200-RSH-544*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	ND (420)	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	ND (420)	-
2,4-Dichlorophenol	ug/Kg	-	-	-	ND (420)	-
2,4-Dimethylphenol	ug/Kg	-	-	-	ND (420)	-
2,4-Dinitrophenol	ug/Kg	-	-	-	ND (2000)	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	ND (420)	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	ND (420)	-
2-Chloronaphthalene	ug/Kg	-	-	-	ND (420)	-
2-Chlorophenol	ug/Kg	-	-	-	ND (420)	-
2-Methyl naphthalene	ug/Kg	-	-	-	ND (420)	-
2-Methylphenol	ug/Kg	-	-	-	ND (420)	-
2-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-
2-Nitrophenol	ug/Kg	-	-	-	ND (420)	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	ND (2000)	-
3-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	ND (2000)	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	ND (420)	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	ND (420)	-
4-Chloroaniline	ug/Kg	-	-	-	ND (420)	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	ND (420)	-
4-Methylphenol	ug/Kg	-	-	-	ND (420)	-
4-Nitroaniline	ug/Kg	-	-	-	ND (2000)	-
4-Nitrophenol	ug/Kg	-	-	-	ND (2000)	-
Acenaphthene	ug/Kg	-	-	-	ND (420)	-
Acenaphthylene	ug/Kg	-	-	-	ND (420)	-
Acetophenone	ug/Kg	-	-	-	ND (420)	-
Anthracene	ug/Kg	-	-	-	ND (420)	-
Atrazine	ug/Kg	-	-	-	ND (420)	-
Benzaldehyde	ug/Kg	-	-	-	ND (420)	-
Benzo(a)anthracene	ug/Kg	-	-	-	ND (420)	-
Benzo(a)pyrene	ug/Kg	-	-	-	ND (420)	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	ND (420)	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	ND (420)	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	ND (420)	-
Biphenyl	ug/Kg	-	-	-	ND (420)	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	ND (420)	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	ND (420)	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	ND (420)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	ND (420)	-
Butyl benzylphthalate	ug/Kg	-	-	-	ND (420)	-
Caprolactam	ug/Kg	-	-	-	ND (420)	-
Carbazole	ug/Kg	-	-	-	ND (420)	-
Chrysene	ug/Kg	-	-	-	ND (420)	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	ND (420)	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-N2-00***	***TP-N3-00***	***TP-N3-00***	***TP-N4-00***	***TP-N5-00***
Sample ID:		***S-12609-041300-RSH-557***	***S-12609-041300-RSH-558***	***S-12609-041300-RSH-559***	***S-12609-041200-RSH-545***	***S-12609-041200-RSH-544***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	ND (420)	-
Diethyl phthalate	ug/Kg	-	-	-	ND (420)	-
Dimethyl phthalate	ug/Kg	-	-	-	ND (420)	-
Di-n-butylphthalate	ug/Kg	-	-	-	ND (420)	-
Di-n-octyl phthalate	ug/Kg	-	-	-	ND (420)	-
Fluoranthene	ug/Kg	-	-	-	ND (420)	-
Fluorene	ug/Kg	-	-	-	ND (420)	-
Hexachlorobenzene	ug/Kg	-	-	-	ND (420)	-
Hexachlorobutadiene	ug/Kg	-	-	-	ND (420)	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	ND (2000)	-
Hexachloroethane	ug/Kg	-	-	-	ND (420)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	ND (420)	-
Isophorone	ug/Kg	-	-	-	ND (420)	-
Naphthalene	ug/Kg	-	-	-	ND (420)	-
Nitrobenzene	ug/Kg	-	-	-	ND (420)	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	ND (420)	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	ND (420)	-
Pentachlorophenol	ug/Kg	-	-	-	ND (420)	-
Phenanthrene	ug/Kg	-	-	-	ND (420)	-
Phenol	ug/Kg	-	-	-	ND (420)	-
Pyrene	ug/Kg	-	-	-	ND (420)	-
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1221	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1232	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1242	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1248	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1254	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Aroclor-1260	ug/Kg	ND (37)	ND (38)	ND (37)	-	ND (42)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	5630	-
Antimony	mg/Kg	-	-	-	ND (7.6)	-
Arsenic	mg/Kg	-	-	-	3.0	-
Barium	mg/Kg	-	-	-	ND (25.2)	-
Beryllium	mg/Kg	-	-	-	ND (0.63)	-
Cadmium	mg/Kg	-	-	-	ND (0.63)	-
Calcium	mg/Kg	-	-	-	1360	-
Chromium	mg/Kg	-	-	-	7.2	-
Cobalt	mg/Kg	-	-	-	ND (6.3)	-
Copper	mg/Kg	-	-	-	5.3	-
Iron	mg/Kg	-	-	-	7900	-
Lead	mg/Kg	-	-	-	3.9	-
Magnesium	mg/Kg	-	-	-	1220	-
Manganese	mg/Kg	-	-	-	62.9	-
Mercury	mg/Kg	-	-	-	ND (0.13)	-
Nickel	mg/Kg	-	-	-	7.1	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-N2-00***	***TP-N3-00***	***TP-N3-00***	***TP-N4-00***	***TP-N5-00***
Sample ID:		***S-12609-041300-RSH-557***	***S-12609-041300-RSH-558***	***S-12609-041300-RSH-559***	***S-12609-041200-RSH-545***	***S-12609-041200-RSH-544***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	ND (630)	-
Selenium	mg/Kg	-	-	-	ND (0.63)	-
Silver	mg/Kg	-	-	-	ND (1.3)	-
Sodium	mg/Kg	-	-	-	ND (630)	-
Thallium	mg/Kg	-	-	-	ND (1.3)	-
Vanadium	mg/Kg	-	-	-	12.7	-
Zinc	mg/Kg	-	-	-	18.7 J	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-O1-00*	*TP-O2-00*	*TP-O3-00*	*TP-O4-00*	*TP-O5-00*
Sample ID:		*S-12609-041300-RSH-555*	*S-12609-041300-RSH-554*	*S-12609-041300-RSH-553*	*S-12609-041200-RSH-542*	*S-12609-041200-RSH-543*
Sample Depth:		*(2-3)*	*(2-3)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,1-Dichloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,1-Dichloroethene	ug/Kg	-	-	-	ND (5.0)	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	ND (10)	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	ND (5.0)	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
1,2-Dichloroethane	ug/Kg	-	-	-	ND (5.0)	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	ND (5.0)	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
2-Butanone	ug/Kg	-	-	-	ND (20)	-
2-Hexanone	ug/Kg	-	-	-	ND (20)	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	2.0 J	-
Acetone	ug/Kg	-	-	-	ND (20) U	-
Benzene, isopropyl	ug/Kg	-	-	-	ND (5.0)	-
Benzene	ug/Kg	-	-	-	ND (5.0)	-
Bromodichloromethane	ug/Kg	-	-	-	ND (5.0)	-
Bromoform	ug/Kg	-	-	-	ND (5.0)	-
Bromomethane	ug/Kg	-	-	-	ND (10)	-
Carbon disulfide	ug/Kg	-	-	-	ND (5.0)	-
Carbon tetrachloride	ug/Kg	-	-	-	ND (5.0)	-
Chlorobenzene	ug/Kg	-	-	-	ND (5.0)	-
Chloroethane	ug/Kg	-	-	-	ND (10)	-
Chloroform	ug/Kg	-	-	-	ND (5.0)	-
Chloromethane	ug/Kg	-	-	-	ND (10)	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	ND (2.5)	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	ND (5.0)	-
Cyclohexane	ug/Kg	-	-	-	ND (10)	-
Dibromochloromethane	ug/Kg	-	-	-	ND (5.0)	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	ND (10)	-
Ethylbenzene	ug/Kg	-	-	-	ND (5.0)	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	ND (10)	-
Methyl cyclohexane	ug/Kg	-	-	-	ND (10)	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	ND (20)	-
Methylene chloride	ug/Kg	-	-	-	0.64 U	-
Styrene	ug/Kg	-	-	-	ND (5.0)	-
Tetrachloroethene	ug/Kg	-	-	-	ND (5.0)	-
Toluene	ug/Kg	-	-	-	0.44 J	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	ND (2.5)	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	ND (5.0)	-
Trichloroethene	ug/Kg	-	-	-	ND (5.0)	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	ND (10)	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	ND (5.0)	-
Vinyl chloride	ug/Kg	-	-	-	ND (10)	-
Xylene (total)	ug/Kg	-	-	-	1.4 J	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-O1-00*	*TP-O2-00*	*TP-O3-00*	*TP-O4-00*	*TP-O5-00*
Sample ID:		*S-12609-041300-RSH-555*	*S-12609-041300-RSH-554*	*S-12609-041300-RSH-553*	*S-12609-041200-RSH-542*	*S-12609-041200-RSH-543*
Sample Depth:		*(2-3)*	*(2-3)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-O1-00***	***TP-O2-00***	***TP-O3-00***	***TP-O4-00***	***TP-O5-00***
Sample ID:		***S-12609-041300-RSH-555***	***S-12609-041300-RSH-554***	***S-12609-041300-RSH-553***	***S-12609-041200-RSH-542***	***S-12609-041200-RSH-543***
Sample Depth:		***(2-3)***	***(2-3)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (36)	ND (41)	ND (39)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-O1-00***	***TP-O2-00***	***TP-O3-00***	***TP-O4-00***	***TP-O5-00***
Sample ID:		***S-12609-041300-RSH-555***	***S-12609-041300-RSH-554***	***S-12609-041300-RSH-553***	***S-12609-041200-RSH-542***	***S-12609-041200-RSH-543***
Sample Depth:		***(2-3)***	***(2-3)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-P1-00*	*TP-P2-00*	*TP-P3-00*	*TP-P3-00*	*TP-P4-00*
Sample ID:		*S-12609-041300-RSH-549*	*S-12609-041300-RSH-550*	*S-12609-041300-RSH-551*	*S-12609-041300-RSH-552*	*S-12609-041200-RSH-541*
Sample Depth:		*(2-3)*	*(3-4)*	*(0-5)*	*(0-5)*	*(0-5)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,1-Dichloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.4)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (11)	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dichloroethane	ug/Kg	-	ND (5.4)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (5.4)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
2-Butanone	ug/Kg	-	ND (22)	-	-	-
2-Hexanone	ug/Kg	-	ND (22)	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	2.1 J	-	-	-
Acetone	ug/Kg	-	ND (22) U	-	-	-
Benzene, isopropyl	ug/Kg	-	ND (5.4)	-	-	-
Benzene	ug/Kg	-	ND (5.4)	-	-	-
Bromodichloromethane	ug/Kg	-	ND (5.4)	-	-	-
Bromoform	ug/Kg	-	ND (5.4)	-	-	-
Bromomethane	ug/Kg	-	ND (11)	-	-	-
Carbon disulfide	ug/Kg	-	ND (5.4)	-	-	-
Carbon tetrachloride	ug/Kg	-	ND (5.4)	-	-	-
Chlorobenzene	ug/Kg	-	ND (5.4)	-	-	-
Chloroethane	ug/Kg	-	ND (11)	-	-	-
Chloroform	ug/Kg	-	ND (5.4)	-	-	-
Chloromethane	ug/Kg	-	ND (11)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.7)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (5.4)	-	-	-
Cyclohexane	ug/Kg	-	ND (11)	-	-	-
Dibromochloromethane	ug/Kg	-	ND (5.4)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (11)	-	-	-
Ethylbenzene	ug/Kg	-	ND (5.4)	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	ND (11)	-	-	-
Methyl cyclohexane	ug/Kg	-	ND (11)	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (22)	-	-	-
Methylene chloride	ug/Kg	-	0.83 U	-	-	-
Styrene	ug/Kg	-	ND (5.4)	-	-	-
Tetrachloroethene	ug/Kg	-	ND (5.4)	-	-	-
Toluene	ug/Kg	-	0.49 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.7)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (5.4)	-	-	-
Trichloroethene	ug/Kg	-	ND (5.4)	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (11)	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (5.4)	-	-	-
Vinyl chloride	ug/Kg	-	ND (11)	-	-	-
Xylene (total)	ug/Kg	-	1.1 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-P1-00*	*TP-P2-00*	*TP-P3-00*	*TP-P3-00*	*TP-P4-00*
Sample ID:		*S-12609-041300-RSH-549*	*S-12609-041300-RSH-550*	*S-12609-041300-RSH-551*	*S-12609-041300-RSH-552*	*S-12609-041200-RSH-541*
Sample Depth:		*(2-3)*	*(3-4)*	*(0-5)*	*(0-5)*	*(0-5)*
Sample Date:		*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/13/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P1-00***	***TP-P2-00***	***TP-P3-00***	***TP-P3-00***	***TP-P4-00***
Sample ID:		***S-12609-041300-RSH-549***	***S-12609-041300-RSH-550***	***S-12609-041300-RSH-551***	***S-12609-041300-RSH-552***	***S-12609-041200-RSH-541***
Sample Depth:		***(2-3)***	***(3-4)***	***(0-5)***	***(0-5)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1221	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1232	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1242	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1248	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1254	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Aroclor-1260	ug/Kg	ND (40)	ND (35)	ND (37)	ND (37)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P1-00***	***TP-P2-00***	***TP-P3-00***	***TP-P3-00***	***TP-P4-00***
Sample ID:		***S-12609-041300-RSH-549***	***S-12609-041300-RSH-550***	***S-12609-041300-RSH-551***	***S-12609-041300-RSH-552***	***S-12609-041200-RSH-541***
Sample Depth:		***(2-3)***	***(3-4)***	***(0-5)***	***(0-5)***	***(0-5)***
Sample Date:		***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/13/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-P5-00*	*TP-P6-00*	*TP-Q1-00*	*TP-Q2-00*	*TP-Q3-00*
Sample ID:		*S-12609-041200-RSH-540*	*S-12609-041200-RSH-539*	*S-12609-041200-RSH-527*	*S-12609-041200-RSH-528*	*S-12609-041200-RSH-529*
Sample Depth:		*(0-3)*	*(0-4)*	*(0-5)*	*(2-3)*	*(3-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-P5-00*	*TP-P6-00*	*TP-Q1-00*	*TP-Q2-00*	*TP-Q3-00*
Sample ID:		*S-12609-041200-RSH-540*	*S-12609-041200-RSH-539*	*S-12609-041200-RSH-527*	*S-12609-041200-RSH-528*	*S-12609-041200-RSH-529*
Sample Depth:		*(0-3)*	*(0-4)*	*(0-5)*	*(2-3)*	*(3-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P5-00***	***TP-P6-00***	***TP-Q1-00***	***TP-Q2-00***	***TP-Q3-00***
Sample ID:		***S-12609-041200-RSH-540***	***S-12609-041200-RSH-539***	***S-12609-041200-RSH-527***	***S-12609-041200-RSH-528***	***S-12609-041200-RSH-529***
Sample Depth:		***(0-3)***	***(0-4)***	***(0-5)***	***(2-3)***	***(3-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1221	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1232	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1242	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1248	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1254	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Aroclor-1260	ug/Kg	ND (41)	ND (39)	ND (43)	ND (38)	ND (35)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-P5-00***	***TP-P6-00***	***TP-Q1-00***	***TP-Q2-00***	***TP-Q3-00***
Sample ID:		***S-12609-041200-RSH-540***	***S-12609-041200-RSH-539***	***S-12609-041200-RSH-527***	***S-12609-041200-RSH-528***	***S-12609-041200-RSH-529***
Sample Depth:		***(0-3)***	***(0-4)***	***(0-5)***	***(2-3)***	***(3-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-Q4-00*	*TP-Q5-00*	*TP-Q6-00*	*TP-Q6-00*	*TP-R1-00*
Sample ID:		*S-12609-041200-RSH-530*	*S-12609-041200-RSH-531*	*S-12609-041200-RSH-532*	*S-12609-041200-RSH-538*	*S-12609-041200-RSH-526*
Sample Depth:		*(3-4)*	*(3-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.3)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	ND (11)	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	ND (5.3)	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.3)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.3)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
2-Butanone	ug/Kg	ND (21)	-	-	-	-
2-Hexanone	ug/Kg	ND (21)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	1.3 J	-	-	-	-
Acetone	ug/Kg	ND (21) U	-	-	-	-
Benzene, isopropyl	ug/Kg	ND (5.3)	-	-	-	-
Benzene	ug/Kg	ND (5.3)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (5.3)	-	-	-	-
Bromoform	ug/Kg	ND (5.3)	-	-	-	-
Bromomethane	ug/Kg	ND (11)	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.3)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.3)	-	-	-	-
Chlorobenzene	ug/Kg	ND (5.3)	-	-	-	-
Chloroethane	ug/Kg	ND (11)	-	-	-	-
Chloroform	ug/Kg	ND (5.3)	-	-	-	-
Chloromethane	ug/Kg	ND (11)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	ND (2.6)	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.3)	-	-	-	-
Cyclohexane	ug/Kg	ND (11)	-	-	-	-
Dibromochloromethane	ug/Kg	ND (5.3)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	ND (11)	-	-	-	-
Ethylbenzene	ug/Kg	ND (5.3)	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	ND (11)	-	-	-	-
Methyl cyclohexane	ug/Kg	ND (11)	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	ND (21)	-	-	-	-
Methylene chloride	ug/Kg	0.43 U	-	-	-	-
Styrene	ug/Kg	ND (5.3)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.3)	-	-	-	-
Toluene	ug/Kg	0.35 J	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	ND (2.6)	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.3)	-	-	-	-
Trichloroethene	ug/Kg	ND (5.3)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	ND (11)	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	ND (5.3)	-	-	-	-
Vinyl chloride	ug/Kg	ND (11)	-	-	-	-
Xylene (total)	ug/Kg	0.85 J	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-Q4-00*	*TP-Q5-00*	*TP-Q6-00*	*TP-Q6-00*	*TP-R1-00*
Sample ID:		*S-12609-041200-RSH-530*	*S-12609-041200-RSH-531*	*S-12609-041200-RSH-532*	*S-12609-041200-RSH-538*	*S-12609-041200-RSH-526*
Sample Depth:		*(3-4)*	*(3-4)*	*(0-4)*	*(0-4)*	*(1-2)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-Q4-00***	***TP-Q5-00***	***TP-Q6-00***	***TP-Q6-00***	***TP-R1-00***
Sample ID:		***S-12609-041200-RSH-530***	***S-12609-041200-RSH-531***	***S-12609-041200-RSH-532***	***S-12609-041200-RSH-538***	***S-12609-041200-RSH-526***
Sample Depth:		***(3-4)***	***(3-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1221	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1232	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1242	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1248	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1254	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Aroclor-1260	ug/Kg	ND (38)	ND (53)	ND (36)	ND (34)	ND (41)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-Q4-00***	***TP-Q5-00***	***TP-Q6-00***	***TP-Q6-00***	***TP-R1-00***
Sample ID:		***S-12609-041200-RSH-530***	***S-12609-041200-RSH-531***	***S-12609-041200-RSH-532***	***S-12609-041200-RSH-538***	***S-12609-041200-RSH-526***
Sample Depth:		***(3-4)***	***(3-4)***	***(0-4)***	***(0-4)***	***(1-2)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-R2-00*	*TP-R3-00*	*TP-R3-00*	*TP-R4-00*	*TP-R6-00*
Sample ID:		*S-12609-041200-RSH-525*	*S-12609-041200-RSH-523*	*S-12609-041200-RSH-524*	*S-12609-041200-RSH-522*	*S-12609-041200-RSH-533*
Sample Depth:		*(0-3)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,1,2-Trichloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,1-Dichloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,1-Dichloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (11)	ND (11)	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2-Dichloroethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
1,4-Dichlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
2-Butanone	ug/Kg	-	ND (21)	ND (22)	-	-
2-Hexanone	ug/Kg	-	ND (21)	ND (22)	-	-
4-Methyl-2-pentanone	ug/Kg	-	2.1 J	1.1 J	-	-
Acetone	ug/Kg	-	ND (21) U	ND (22) U	-	-
Benzene, isopropyl	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Benzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Bromodichloromethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Bromoform	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Bromomethane	ug/Kg	-	ND (11)	ND (11)	-	-
Carbon disulfide	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Carbon tetrachloride	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Chlorobenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Chloroethane	ug/Kg	-	ND (11)	ND (11)	-	-
Chloroform	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Chloromethane	ug/Kg	-	ND (11)	ND (11)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	ND (2.7)	ND (2.7)	-	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Cyclohexane	ug/Kg	-	ND (11)	ND (11)	-	-
Dibromochloromethane	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (11)	ND (11)	-	-
Ethylbenzene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	ND (11)	ND (11)	-	-
Methyl cyclohexane	ug/Kg	-	ND (11)	ND (11)	-	-
Methyl Tert Butyl Ether	ug/Kg	-	ND (21)	ND (22)	-	-
Methylene chloride	ug/Kg	-	0.74 U	0.56 U	-	-
Styrene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Tetrachloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Toluene	ug/Kg	-	0.42 J	0.34 J	-	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (2.7)	ND (2.7)	-	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Trichloroethene	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (11)	ND (11)	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	ND (5.3)	ND (5.4)	-	-
Vinyl chloride	ug/Kg	-	ND (11)	ND (11)	-	-
Xylene (total)	ug/Kg	-	1.6 J	1.1 J	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-R2-00*	*TP-R3-00*	*TP-R3-00*	*TP-R4-00*	*TP-R6-00*
Sample ID:		*S-12609-041200-RSH-525*	*S-12609-041200-RSH-523*	*S-12609-041200-RSH-524*	*S-12609-041200-RSH-522*	*S-12609-041200-RSH-533*
Sample Depth:		*(0-3)*	*(0-4)*	*(0-4)*	*(0-4)*	*(0-4)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-R2-00***	***TP-R3-00***	***TP-R3-00***	***TP-R4-00***	***TP-R6-00***
Sample ID:		***S-12609-041200-RSH-525***	***S-12609-041200-RSH-523***	***S-12609-041200-RSH-524***	***S-12609-041200-RSH-522***	***S-12609-041200-RSH-533***
Sample Depth:		***(0-3)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1221	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1232	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1242	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1248	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1254	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Aroclor-1260	ug/Kg	ND (40)	ND (35)	ND (35)	ND (36)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-R2-00***	***TP-R3-00***	***TP-R3-00***	***TP-R4-00***	***TP-R6-00***
Sample ID:		***S-12609-041200-RSH-525***	***S-12609-041200-RSH-523***	***S-12609-041200-RSH-524***	***S-12609-041200-RSH-522***	***S-12609-041200-RSH-533***
Sample Depth:		***(0-3)***	***(0-4)***	***(0-4)***	***(0-4)***	***(0-4)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*S-1*	*TP-S1-00*	*S-2*	*TP-S2-00*	*S-3*
Sample ID:		*S-10236-030698-FCE-029*	*S-12609-041100-RSH-515*	*S-10236-030698-FCE-030*	*S-12609-041100-RSH-514*	*S-10236-030698-FCE-031*
Sample Depth:		*(0-0.5)*	*(1-2)*	*(0-0.5)*	*(0-3)*	*(0-0.5)*
Sample Date:		*3/6/1998*	*4/11/2000*	*3/6/1998*	*4/11/2000*	*3/6/1998*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,1,2-Trichloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,1-Dichloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,1-Dichloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,2-Dichloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,3-Dichlorobenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
1,4-Dichlorobenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
2-Butanone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
2-Hexanone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Acetone	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Bromodichloromethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Bromoform	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Bromomethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Carbon disulfide	ug/Kg	ND (100)	-	ND (100)	-	ND (100)
Carbon tetrachloride	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Chlorobenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Chloroethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Chloroform	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Chloromethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Styrene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Tetrachloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Toluene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Trichloroethene	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	-	ND (10)	-	ND (10)
Xylene (total)	ug/Kg	ND (30)	-	ND (30)	-	ND (30)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*S-1*	*TP-S1-00*	*S-2*	*TP-S2-00*	*S-3*
Sample ID:		*S-10236-030698-FCE-029*	*S-12609-041100-RSH-515*	*S-10236-030698-FCE-030*	*S-12609-041100-RSH-514*	*S-10236-030698-FCE-031*
Sample Depth:		*(0-0.5)*	*(1-2)*	*(0-0.5)*	*(0-3)*	*(0-0.5)*
Sample Date:		*3/6/1998*	*4/11/2000*	*3/6/1998*	*4/11/2000*	*3/6/1998*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***S-1***	***TP-S1-00***	***S-2***	***TP-S2-00***	***S-3***
Sample ID:		***S-10236-030698-FCE-029***	***S-12609-041100-RSH-515***	***S-10236-030698-FCE-030***	***S-12609-041100-RSH-514***	***S-10236-030698-FCE-031***
Sample Depth:		***(0-0.5)***	***(1-2)***	***(0-0.5)***	***(0-3)***	***(0-0.5)***
Sample Date:		***3/6/1998***	***4/11/2000***	***3/6/1998***	***4/11/2000***	***3/6/1998***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1248	ug/Kg	630	ND (39)	ND (330)	ND (40)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	63	ND (330)	ND (40)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (39)	ND (330)	ND (40)	ND (330)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	7800 J	-	9800	-	7000
Antimony	mg/Kg	0.820 J	-	ND (0.5) UJ	-	ND (0.5) UJ
Arsenic	mg/Kg	2.8 J	-	2	-	3.3
Barium	mg/Kg	56	-	61	-	120
Beryllium	mg/Kg	0.48	-	ND (0.29)	-	0.4
Cadmium	mg/Kg	0.83	-	0.69	-	0.6
Calcium	mg/Kg	30000	-	8100	-	20000
Chromium	mg/Kg	61	-	26	-	11
Cobalt	mg/Kg	5.1	-	2.1	-	6
Copper	mg/Kg	130	-	200	-	15
Iron	mg/Kg	20000	-	8600	-	20000
Lead	mg/Kg	41 J	-	39 J	-	37 J
Magnesium	mg/Kg	10000	-	2500	-	10000
Manganese	mg/Kg	330	-	140	-	1300
Mercury	mg/Kg	ND (0.1)	-	ND (0.1)	-	ND (0.1)
Nickel	mg/Kg	27	-	22	-	19

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***S-1***	***TP-S1-00***	***S-2***	***TP-S2-00***	***S-3***
Sample ID:		***S-10236-030698-FCE-029***	***S-12609-041100-RSH-515***	***S-10236-030698-FCE-030***	***S-12609-041100-RSH-514***	***S-10236-030698-FCE-031***
Sample Depth:		***(0-0.5)***	***(1-2)***	***(0-0.5)***	***(0-3)***	***(0-0.5)***
Sample Date:		***3/6/1998***	***4/11/2000***	***3/6/1998***	***4/11/2000***	***3/6/1998***
Parameter	***Unit***					
Potassium	mg/Kg	880	-	560	-	950
Selenium	mg/Kg	ND (0.5) UJ	-	0.67 J	-	ND (0.5) UJ
Silver	mg/Kg	R	-	ND (0.5) UJ	-	ND (0.5) UJ
Sodium	mg/Kg	68	-	55	-	69
Thallium	mg/Kg	ND (0.5)	-	ND (0.5)	-	ND (0.5)
Vanadium	mg/Kg	14	-	14	-	22
Zinc	mg/Kg	180	-	240	-	80
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	-	0.25	-	ND (0.2)
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*S-3*	*TP-S3-00*	*TP-S4-00*	*TP-S5-00*	*TP-S6-00*
Sample ID:		*S-10236-030698-FCE-032*	*S-12609-041200-RSH-520*	*S-12609-041200-RSH-521*	*S-12609-041200-RSH-534*	*S-12609-041200-RSH-535*
Sample Depth:		*(0-0.5)*	*(0-4)*	*(0-4)*	*(2-3)*	*(0-5)*
Sample Date:		*3/6/1998*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
		Duplicate				
Parameter	*Unit*					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	-	-	-	-
2-Butanone	ug/Kg	ND (100)	-	-	-	-
2-Hexanone	ug/Kg	ND (100)	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	-	-	-	-
Acetone	ug/Kg	ND (100)	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	ND (10)	-	-	-	-
Bromodichloromethane	ug/Kg	ND (10)	-	-	-	-
Bromoform	ug/Kg	ND (10)	-	-	-	-
Bromomethane	ug/Kg	ND (10)	-	-	-	-
Carbon disulfide	ug/Kg	ND (100)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (10)	-	-	-	-
Chlorobenzene	ug/Kg	ND (10)	-	-	-	-
Chloroethane	ug/Kg	ND (10)	-	-	-	-
Chloroform	ug/Kg	ND (10)	-	-	-	-
Chloromethane	ug/Kg	ND (10)	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (10)	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	ND (10)	-	-	-	-
Styrene	ug/Kg	ND (10)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	-	-	-	-
Toluene	ug/Kg	ND (10)	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	-	-	-	-
Trichloroethene	ug/Kg	ND (10)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10)	-	-	-	-
Xylene (total)	ug/Kg	ND (30)	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*S-3*	*TP-S3-00*	*TP-S4-00*	*TP-S5-00*	*TP-S6-00*
Sample ID:		*S-10236-030698-FCE-032*	*S-12609-041200-RSH-520*	*S-12609-041200-RSH-521*	*S-12609-041200-RSH-534*	*S-12609-041200-RSH-535*
Sample Depth:		*(0-0.5)*	*(0-4)*	*(0-4)*	*(2-3)*	*(0-5)*
Sample Date:		*3/6/1998*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
		Duplicate				
Parameter	*Unit*					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*S-3*	*TP-S3-00*	*TP-S4-00*	*TP-S5-00*	*TP-S6-00*
Sample ID:		*S-10236-030698-FCE-032*	*S-12609-041200-RSH-520*	*S-12609-041200-RSH-521*	*S-12609-041200-RSH-534*	*S-12609-041200-RSH-535*
Sample Depth:		*(0-0.5)*	*(0-4)*	*(0-4)*	*(2-3)*	*(0-5)*
Sample Date:		*3/6/1998*	*4/12/2000*	*4/12/2000*	*4/12/2000*	*4/12/2000*
		Duplicate				
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1221	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1232	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1242	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1248	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1254	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Aroclor-1260	ug/Kg	ND (330)	ND (38)	ND (38)	ND (38)	ND (37)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	7500	-	-	-	-
Antimony	mg/Kg	ND (0.5) UJ	-	-	-	-
Arsenic	mg/Kg	2.8	-	-	-	-
Barium	mg/Kg	64	-	-	-	-
Beryllium	mg/Kg	0.37	-	-	-	-
Cadmium	mg/Kg	0.6	-	-	-	-
Calcium	mg/Kg	30000	-	-	-	-
Chromium	mg/Kg	12	-	-	-	-
Cobalt	mg/Kg	5.3	-	-	-	-
Copper	mg/Kg	17	-	-	-	-
Iron	mg/Kg	10000	-	-	-	-
Lead	mg/Kg	37 J	-	-	-	-
Magnesium	mg/Kg	10000	-	-	-	-
Manganese	mg/Kg	450	-	-	-	-
Mercury	mg/Kg	ND (0.1)	-	-	-	-
Nickel	mg/Kg	14	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***S-3***	***TP-S3-00***	***TP-S4-00***	***TP-S5-00***	***TP-S6-00***
Sample ID:		***S-10236-030698-FCE-032***	***S-12609-041200-RSH-520***	***S-12609-041200-RSH-521***	***S-12609-041200-RSH-534***	***S-12609-041200-RSH-535***
Sample Depth:		***(0-0.5)***	***(0-4)***	***(0-4)***	***(2-3)***	***(0-5)***
Sample Date:		***3/6/1998***	***4/12/2000***	***4/12/2000***	***4/12/2000***	***4/12/2000***
		Duplicate				
Parameter	***Unit***					
Potassium	mg/Kg	1200	-	-	-	-
Selenium	mg/Kg	ND (0.5) UJ	-	-	-	-
Silver	mg/Kg	ND (0.5) UJ	-	-	-	-
Sodium	mg/Kg	80	-	-	-	-
Thallium	mg/Kg	ND (0.5)	-	-	-	-
Vanadium	mg/Kg	20	-	-	-	-
Zinc	mg/Kg	80	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-S6-00*	*TP-S7-00*	*TP-T1-00*	*TP-T2-00*	*TP-T3-00*
Sample ID:		*S-12609-041200-RSH-536*	*S-12609-041200-RSH-537*	*S-12609-041100-RSH-510*	*S-12609-041100-RSH-511*	*S-12609-041100-RSH-503*
Sample Depth:		*(0-5)*	*(0-3)*	*(0-3)*	*(0-3)*	*(0-5)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-S6-00*	*TP-S7-00*	*TP-T1-00*	*TP-T2-00*	*TP-T3-00*
Sample ID:		*S-12609-041200-RSH-536*	*S-12609-041200-RSH-537*	*S-12609-041100-RSH-510*	*S-12609-041100-RSH-511*	*S-12609-041100-RSH-503*
Sample Depth:		*(0-5)*	*(0-3)*	*(0-3)*	*(0-3)*	*(0-5)*
Sample Date:		*4/12/2000*	*4/12/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-S6-00***	***TP-S7-00***	***TP-T1-00***	***TP-T2-00***	***TP-T3-00***
Sample ID:		***S-12609-041200-RSH-536***	***S-12609-041200-RSH-537***	***S-12609-041100-RSH-510***	***S-12609-041100-RSH-511***	***S-12609-041100-RSH-503***
Sample Depth:		***(0-5)***	***(0-3)***	***(0-3)***	***(0-3)***	***(0-5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1221	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1232	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1242	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1248	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (39)	110	ND (39)	ND (38)
Aroclor-1260	ug/Kg	ND (38)	ND (39)	ND (39)	ND (39)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	-
Antimony	mg/Kg	-	-	-	-	-
Arsenic	mg/Kg	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-
Beryllium	mg/Kg	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-
Cobalt	mg/Kg	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-
Nickel	mg/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-S6-00***	***TP-S7-00***	***TP-T1-00***	***TP-T2-00***	***TP-T3-00***
Sample ID:		***S-12609-041200-RSH-536***	***S-12609-041200-RSH-537***	***S-12609-041100-RSH-510***	***S-12609-041100-RSH-511***	***S-12609-041100-RSH-503***
Sample Depth:		***(0-5)***	***(0-3)***	***(0-3)***	***(0-3)***	***(0-5)***
Sample Date:		***4/12/2000***	***4/12/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	-	-	-
Vanadium	mg/Kg	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-T3-00*	*TP-T4-00*	*TP-T5-00*	*TP-T6-00*	*TP-1-99*
Sample ID:		*S-12609-041100-RSH-512*	*S-12609-041100-RSH-513*	*S-12609-041100-RSH-505*	*S-12609-041100-RSH-504*	*S-12609-121599-DN-01*
Sample Depth:		*(0-5)*	*(0-5)*	*(0-4)*	*(0-5)*	*(4-6)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*12/15/1999*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,1-Dichloroethene	ug/Kg	-	-	-	-	1.6 J
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	ND (4.8)
1,2-Dichloropropane	ug/Kg	-	-	-	-	ND (4.8)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	ND (19) U
2-Hexanone	ug/Kg	-	-	-	-	ND (19)
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	0.57 J
Acetone	ug/Kg	-	-	-	-	61
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	ND (4.8)
Bromodichloromethane	ug/Kg	-	-	-	-	ND (4.8)
Bromoform	ug/Kg	-	-	-	-	ND (4.8)
Bromomethane	ug/Kg	-	-	-	-	ND (9.7)
Carbon disulfide	ug/Kg	-	-	-	-	ND (4.8)
Carbon tetrachloride	ug/Kg	-	-	-	-	ND (4.8)
Chlorobenzene	ug/Kg	-	-	-	-	ND (4.8)
Chloroethane	ug/Kg	-	-	-	-	ND (9.7)
Chloroform	ug/Kg	-	-	-	-	ND (4.8)
Chloromethane	ug/Kg	-	-	-	-	ND (9.7)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.8)
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	ND (4.8)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	ND (4.8)
Hexachlorobutadiene	ug/Kg	-	-	-	-	ND (380)
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	ND (4.8) U
Styrene	ug/Kg	-	-	-	-	ND (4.8) U
Tetrachloroethene	ug/Kg	-	-	-	-	ND (4.8)
Toluene	ug/Kg	-	-	-	-	ND (4.8) U
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	ND (4.8)
Trichloroethene	ug/Kg	-	-	-	-	ND (4.8)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	ND (9.7)
Xylene (total)	ug/Kg	-	-	-	-	ND (9.7)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-T3-00*	*TP-T4-00*	*TP-T5-00*	*TP-T6-00*	*TP-1-99*
Sample ID:		*S-12609-041100-RSH-512*	*S-12609-041100-RSH-513*	*S-12609-041100-RSH-505*	*S-12609-041100-RSH-504*	*S-12609-121599-DN-01*
Sample Depth:		*(0-5)*	*(0-5)*	*(0-4)*	*(0-5)*	*(4-6)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*	*12/15/1999*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	ND (380)
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	ND (380)
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	ND (380)
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	ND (380)
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	ND (380)
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	ND (380)
2,4-Dichlorophenol	ug/Kg	-	-	-	-	ND (380)
2,4-Dimethylphenol	ug/Kg	-	-	-	-	ND (380)
2,4-Dinitrophenol	ug/Kg	-	-	-	-	ND (1800)
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	ND (380)
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	ND (380)
2-Chloronaphthalene	ug/Kg	-	-	-	-	ND (380)
2-Chlorophenol	ug/Kg	-	-	-	-	ND (380)
2-Methyl naphthalene	ug/Kg	-	-	-	-	ND (380)
2-Methylphenol	ug/Kg	-	-	-	-	ND (380)
2-Nitroaniline	ug/Kg	-	-	-	-	ND (1800)
2-Nitrophenol	ug/Kg	-	-	-	-	ND (380)
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	ND (1800)
3-Nitroaniline	ug/Kg	-	-	-	-	ND (1800)
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	ND (1800)
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	ND (380)
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	ND (380)
4-Chloroaniline	ug/Kg	-	-	-	-	ND (380)
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	ND (380)
4-Methylphenol	ug/Kg	-	-	-	-	ND (380)
4-Nitroaniline	ug/Kg	-	-	-	-	ND (1800)
4-Nitrophenol	ug/Kg	-	-	-	-	ND (1800)
Acenaphthene	ug/Kg	-	-	-	-	ND (380)
Acenaphthylene	ug/Kg	-	-	-	-	ND (380)
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	48 J
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	150 J
Benzo(a)pyrene	ug/Kg	-	-	-	-	140 J
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	200 J
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	110 J
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	79 J
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	ND (380)
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	ND (380)
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	ND (380)
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	ND (380)
Butyl benzylphthalate	ug/Kg	-	-	-	-	ND (380)
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	ND (380)
Chrysene	ug/Kg	-	-	-	-	150 J
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	ND (380)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-T3-00***	***TP-T4-00***	***TP-T5-00***	***TP-T6-00***	***TP-1-99***
Sample ID:		***S-12609-041100-RSH-512***	***S-12609-041100-RSH-513***	***S-12609-041100-RSH-505***	***S-12609-041100-RSH-504***	***S-12609-121599-DN-01***
Sample Depth:		***(0-5)***	***(0-5)***	***(0-4)***	***(0-5)***	***(4-6)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***12/15/1999***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	ND (380)
Diethyl phthalate	ug/Kg	-	-	-	-	ND (380)
Dimethyl phthalate	ug/Kg	-	-	-	-	ND (380)
Di-n-butylphthalate	ug/Kg	-	-	-	-	ND (380)
Di-n-octyl phthalate	ug/Kg	-	-	-	-	ND (380)
Fluoranthene	ug/Kg	-	-	-	-	370 J
Fluorene	ug/Kg	-	-	-	-	ND (380)
Hexachlorobenzene	ug/Kg	-	-	-	-	ND (380)
Hexachlorobutadiene	ug/Kg	-	-	-	-	ND (380)
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	ND (1800)
Hexachloroethane	ug/Kg	-	-	-	-	ND (380)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	100 J
Isophorone	ug/Kg	-	-	-	-	ND (380)
Naphthalene	ug/Kg	-	-	-	-	ND (380)
Nitrobenzene	ug/Kg	-	-	-	-	ND (380)
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	ND (380)
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	ND (380)
Pentachlorophenol	ug/Kg	-	-	-	-	ND (380)
Phenanthrene	ug/Kg	-	-	-	-	220 J
Phenol	ug/Kg	-	-	-	-	ND (380)
Pyrene	ug/Kg	-	-	-	-	280 J
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1221	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1232	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1242	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (38)	ND (39)	ND (38)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	-	-	4750
Antimony	mg/Kg	-	-	-	-	ND (6.9) UJ
Arsenic	mg/Kg	-	-	-	-	3.0
Barium	mg/Kg	-	-	-	-	30.9
Beryllium	mg/Kg	-	-	-	-	ND (0.57)
Cadmium	mg/Kg	-	-	-	-	ND (0.57)
Calcium	mg/Kg	-	-	-	-	12400 J
Chromium	mg/Kg	-	-	-	-	7.2
Cobalt	mg/Kg	-	-	-	-	ND (5.7)
Copper	mg/Kg	-	-	-	-	6.9
Iron	mg/Kg	-	-	-	-	7100
Lead	mg/Kg	-	-	-	-	8.1
Magnesium	mg/Kg	-	-	-	-	6080
Manganese	mg/Kg	-	-	-	-	115 J
Mercury	mg/Kg	-	-	-	-	ND (0.11)
Nickel	mg/Kg	-	-	-	-	8.1

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-T3-00***	***TP-T4-00***	***TP-T5-00***	***TP-T6-00***	***TP-1-99***
Sample ID:		***S-12609-041100-RSH-512***	***S-12609-041100-RSH-513***	***S-12609-041100-RSH-505***	***S-12609-041100-RSH-504***	***S-12609-121599-DN-01***
Sample Depth:		***(0-5)***	***(0-5)***	***(0-4)***	***(0-5)***	***(4-6)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***	***12/15/1999***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	ND (575)
Selenium	mg/Kg	-	-	-	-	ND (0.57)
Silver	mg/Kg	-	-	-	-	ND (1.1)
Sodium	mg/Kg	-	-	-	-	ND (575)
Thallium	mg/Kg	-	-	-	-	ND (1.1)
Vanadium	mg/Kg	-	-	-	-	11.0
Zinc	mg/Kg	-	-	-	-	26.4
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	57

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-1-99***	***TP-2-99***	***TP-4-99***	***TP-4A-98***	***TP-8A-99***
Sample ID:		***S-12609-121599-DN-02***	***S-12609-121599-DN-03***	***S-12609-100699-DEN-01***	***S-10236-010898-FCE-005***	***S-12609-100699-DEN-02***
Sample Depth:		***(8-10)***	***(6-8)***	***(0-2)***	***(0-1.5)***	***(0-1.5)***
Sample Date:		***12/15/1999***	***12/15/1999***	***10/6/1999***	***1/8/1998***	***10/6/1999***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	1.4 J	ND (5.0)	ND (10)	ND (5.1)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
1,1,2-Trichloroethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
1,1-Dichloroethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
1,1-Dichloroethene	ug/Kg	5.5	5.0	ND (5.0)	ND (10)	ND (5.1)
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-
1,2-Dichloroethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
1,2-Dichloroethene (total)	ug/Kg	ND (4.7)	22	ND (5.0)	-	ND (5.1)
1,2-Dichloropropane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (10)	-
2-Butanone	ug/Kg	ND (19) U	ND (19) U	ND (20)	ND (100)	ND (20)
2-Hexanone	ug/Kg	ND (19)	ND (19)	ND (20)	ND (100)	ND (20)
4-Methyl-2-pentanone	ug/Kg	0.60 J	ND (19)	ND (20)	ND (100)	ND (20)
Acetone	ug/Kg	ND (37) U	ND (19) U	16 J	ND (100)	43
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	ND (4.7)	ND (4.7)	2.1 J	ND (10)	0.85 J
Bromodichloromethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Bromoform	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Bromomethane	ug/Kg	ND (9.3)	ND (9.5)	ND (10)	ND (10)	ND (10)
Carbon disulfide	ug/Kg	ND (4.7)	ND (4.7)	3.0 J	ND (100)	0.84 J
Carbon tetrachloride	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Chlorobenzene	ug/Kg	ND (4.7)	1.6 J	ND (5.0)	ND (10)	ND (5.1)
Chloroethane	ug/Kg	ND (9.3)	ND (9.5)	ND (10)	ND (10)	ND (10)
Chloroform	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Chloromethane	ug/Kg	ND (9.3)	ND (9.5)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	0.36 J	55	1.8 J	ND (10)	0.53 J
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	ND (4.7) U	2.8 J	ND (5.0) U	ND (10)	ND (5.1) U
Styrene	ug/Kg	ND (4.7) U	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Tetrachloroethene	ug/Kg	ND (4.7)	150	ND (5.0)	ND (10)	ND (5.1)
Toluene	ug/Kg	ND (4.7) U	110 B	6.3	ND (10)	2.2 J
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.7)	ND (4.7)	ND (5.0)	ND (10)	ND (5.1)
Trichloroethene	ug/Kg	ND (4.7)	33	0.86 J	ND (10)	1.0 J
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (9.3)	ND (9.5)	ND (10)	ND (10)	ND (10)
Xylene (total)	ug/Kg	1.1 J	280	4.5 J	ND (30)	ND (10)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-1-99*	*TP-2-99*	*TP-4-99*	*TP-4A-98*	*TP-8A-99*
Sample ID:		*S-12609-121599-DN-02*	*S-12609-121599-DN-03*	*S-12609-100699-DEN-01*	*S-10236-010898-FCE-005*	*S-12609-100699-DEN-02*
Sample Depth:		*(8-10)*	*(6-8)*	*(0-2)*	*(0-1.5)*	*(0-1.5)*
Sample Date:		*12/15/1999*	*12/15/1999*	*10/6/1999*	*1/8/1998*	*10/6/1999*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
1,2-Dichlorobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
1,3-Dichlorobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
1,4-Dichlorobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
1-Methyl naphthalene	ug/Kg	-	-	ND (380)	-	ND (380)
2,4,5-Trichlorophenol	ug/Kg	ND (370)	ND (380)	-	ND (1100)	-
2,4,6-Trichlorophenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2,4-Dichlorophenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2,4-Dimethylphenol	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	-
2,4-Dinitrophenol	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
2,4-Dinitrotoluene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2,6-Dinitrotoluene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2-Chloronaphthalene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2-Chlorophenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2-Methyl naphthalene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
2-Methylphenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
2-Nitroaniline	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
2-Nitrophenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1800)	ND (1800)	-	ND (450)	-
3-Nitroaniline	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
4,6-Dinitro-2-methylphenol	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
4-Bromophenyl phenyl ether	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
4-Chloro-3-methylphenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
4-Chloroaniline	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
4-Methylphenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
4-Nitroaniline	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
4-Nitrophenol	ug/Kg	ND (1800)	ND (1800)	-	ND (1100)	-
Acenaphthene	ug/Kg	61 J	ND (380)	ND (380)	ND (450)	ND (380)
Acenaphthylene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	110 J	ND (380)	ND (380)	ND (450)	ND (380)
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	300 J	68 J	ND (380)	ND (450)	ND (380)
Benzo(a)pyrene	ug/Kg	280 J	64 J	ND (380)	ND (450)	ND (380)
Benzo(b)fluoranthene	ug/Kg	380	99 J	42 J	ND (450)	ND (380)
Benzo(g,h,i)perylene	ug/Kg	190 J	49 J	ND (380)	ND (450)	ND (380)
Benzo(k)fluoranthene	ug/Kg	130 J	ND (380)	ND (380)	ND (450)	ND (380)
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
bis(2-Chloroethyl)ether	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
bis(2-Chloroisopropyl)ether	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Butyl benzylphthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Chrysene	ug/Kg	290 J	77 J	39 J	ND (450)	ND (380)
Dibenz(a,h)anthracene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-1-99***	***TP-2-99***	***TP-4-99***	***TP-4A-98***	***TP-8A-99***
Sample ID:		***S-12609-121599-DN-02***	***S-12609-121599-DN-03***	***S-12609-100699-DEN-01***	***S-10236-010898-FCE-005***	***S-12609-100699-DEN-02***
Sample Depth:		***(8-10)***	***(6-8)***	***(0-2)***	***(0-1.5)***	***(0-1.5)***
Sample Date:		***12/15/1999***	***12/15/1999***	***10/6/1999***	***1/8/1998***	***10/6/1999***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Diethyl phthalate	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	-
Dimethyl phthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Di-n-butylphthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Di-n-octyl phthalate	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Fluoranthene	ug/Kg	780	180 J	47 J	ND (450)	ND (380)
Fluorene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
Hexachlorobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Hexachlorobutadiene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Hexachlorocyclopentadiene	ug/Kg	ND (1800)	ND (1800)	-	ND (450)	-
Hexachloroethane	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Indeno(1,2,3-cd)pyrene	ug/Kg	210 J	ND (380)	ND (380)	ND (450)	ND (380)
Isophorone	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Naphthalene	ug/Kg	ND (370)	ND (380)	ND (380)	ND (450)	ND (380)
Nitrobenzene	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
N-Nitrosodiphenylamine	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Pentachlorophenol	ug/Kg	ND (370)	ND (380)	-	ND (1100)	-
Phenanthrene	ug/Kg	340 J	88 J	ND (380)	ND (450)	ND (380)
Phenol	ug/Kg	ND (370)	ND (380)	-	ND (450)	-
Pyrene	ug/Kg	530	140 J	43 J	ND (450)	ND (380)
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1221	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1232	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1242	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1248	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1254	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Aroclor-1260	ug/Kg	ND (37)	ND (38)	ND (38)	ND (330)	ND (38)
Total PCBs	ug/Kg	-	-	-	ND (330)	-
Metals						
Aluminum	mg/Kg	4900	8200	-	2200 J	-
Antimony	mg/Kg	ND (6.8) UJ	ND (6.8) UJ	-	ND (0.5) UJ	-
Arsenic	mg/Kg	3.9	5.6	-	1.1 J	-
Barium	mg/Kg	39.5	87.6	-	15 J	-
Beryllium	mg/Kg	ND (0.56)	ND (0.57)	-	ND (0.23)	-
Cadmium	mg/Kg	ND (0.56)	ND (0.57)	-	0.37	-
Calcium	mg/Kg	66900 J	52300 J	-	3800 J	-
Chromium	mg/Kg	9.1 J	13.8	-	3	-
Cobalt	mg/Kg	ND (5.6)	7.3	-	1.4	-
Copper	mg/Kg	8.2 J	16.1	-	2.1	-
Iron	mg/Kg	8710	16300	-	3400	-
Lead	mg/Kg	7.1	9.3	-	2.6 J	-
Magnesium	mg/Kg	33100	20600	-	1100 J	-
Manganese	mg/Kg	301 J	376 J	-	51	-
Mercury	mg/Kg	ND (0.11)	ND (0.11)	-	ND (0.1)	-
Nickel	mg/Kg	13.0 J	19.3	-	3.1	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-1-99***	***TP-2-99***	***TP-4-99***	***TP-4A-98***	***TP-8A-99***
Sample ID:		***S-12609-121599-DN-02***	***S-12609-121599-DN-03***	***S-12609-100699-DEN-01***	***S-10236-010898-FCE-005***	***S-12609-100699-DEN-02***
Sample Depth:		***(8-10)***	***(6-8)***	***(0-2)***	***(0-1.5)***	***(0-1.5)***
Sample Date:		***12/15/1999***	***12/15/1999***	***10/6/1999***	***1/8/1998***	***10/6/1999***
Parameter	***Unit***					
Potassium	mg/Kg	778	1930	-	220 J	-
Selenium	mg/Kg	ND (0.56)	ND (0.57)	-	ND (0.5) UJ	-
Silver	mg/Kg	ND (1.1)	ND (1.1)	-	ND (0.5) UJ	-
Sodium	mg/Kg	ND (563)	ND (570)	-	27 J	-
Thallium	mg/Kg	ND (1.1)	ND (1.1)	-	ND (0.5)	-
Vanadium	mg/Kg	12.4	21.5	-	6.1 J	-
Zinc	mg/Kg	33.4 J	46.7	-	27	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	ND (0.2)	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	160	430	ND (12)	-	ND (12)

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-10/10A-99*	*TP-14-99*	*TP-J1A-00*	*TP-J1A-00*	*TP-J1A-00*
Sample ID:		*S-12609-100699-DEN-03*	*S-12609-100699-DEN-05*	*S-12609-060700-DEN-102*	*S-12609-060700-DEN-103*	*S-12609-060700-DEN-104*
Sample Depth:		*(1-2)*	*(0-2)*	*(2-3)*	*(2-3)*	*(4-5)*
Sample Date:		*10/6/1999*	*10/6/1999*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	8.6 J	ND (20)	-	-	-
2-Hexanone	ug/Kg	ND (19)	ND (20)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (19)	ND (20)	-	-	-
Acetone	ug/Kg	64	62	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	ND (4.7)	0.95 J	-	-	-
Bromodichloromethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Bromoform	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Bromomethane	ug/Kg	ND (9.4)	ND (10)	-	-	-
Carbon disulfide	ug/Kg	ND (4.7)	2.4 J	-	-	-
Carbon tetrachloride	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Chlorobenzene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Chloroethane	ug/Kg	ND (9.4)	ND (10)	-	-	-
Chloroform	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Chloromethane	ug/Kg	ND (9.4)	ND (10)	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (4.7)	0.59 J	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	ND (4.7) U	2.5 J	-	-	-
Styrene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Tetrachloroethene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Toluene	ug/Kg	1.3 J	2.9 J	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (4.7)	ND (5.1)	-	-	-
Trichloroethene	ug/Kg	1.0 J	0.95 J	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (9.4)	ND (10)	-	-	-
Xylene (total)	ug/Kg	ND (9.4)	1.0 J	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-10/10A-99*	*TP-14-99*	*TP-J1A-00*	*TP-J1A-00*	*TP-J1A-00*
Sample ID:		*S-12609-100699-DEN-03*	*S-12609-100699-DEN-05*	*S-12609-060700-DEN-102*	*S-12609-060700-DEN-103*	*S-12609-060700-DEN-104*
Sample Depth:		*(1-2)*	*(0-2)*	*(2-3)*	*(2-3)*	*(4-5)*
Sample Date:		*10/6/1999*	*10/6/1999*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	ND (360)	ND (370)	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	ND (370)	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	ND (370)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (360)	ND (370)	-	-	-
1-Methyl naphthalene	ug/Kg	ND (360)	ND (370)	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	ND (370)	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	ND (370)	-	-	-
2,4-Dichlorophenol	ug/Kg	-	ND (370)	-	-	-
2,4-Dimethylphenol	ug/Kg	-	ND (370)	-	-	-
2,4-Dinitrophenol	ug/Kg	-	ND (1800)	-	-	-
2,4-Dinitrotoluene	ug/Kg	ND (360)	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	ND (360)	ND (370)	-	-	-
2-Chloronaphthalene	ug/Kg	ND (360)	ND (370)	-	-	-
2-Chlorophenol	ug/Kg	-	ND (370)	-	-	-
2-Methyl naphthalene	ug/Kg	ND (360)	ND (370)	-	-	-
2-Methylphenol	ug/Kg	-	ND (370)	-	-	-
2-Nitroaniline	ug/Kg	-	ND (1800)	-	-	-
2-Nitrophenol	ug/Kg	-	ND (370)	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	ND (1800)	ND (1800)	-	-	-
3-Nitroaniline	ug/Kg	-	ND (1800)	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	ND (1800)	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	ND (360)	ND (370)	-	-	-
4-Chloro-3-methylphenol	ug/Kg	ND (360)	ND (370)	-	-	-
4-Chloroaniline	ug/Kg	ND (360)	ND (370)	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	ND (360)	ND (370)	-	-	-
4-Methylphenol	ug/Kg	-	ND (370)	-	-	-
4-Nitroaniline	ug/Kg	-	ND (1800)	-	-	-
4-Nitrophenol	ug/Kg	ND (360)	ND (1800)	-	-	-
Acenaphthene	ug/Kg	ND (360)	ND (370)	-	-	-
Acenaphthylene	ug/Kg	ND (360)	ND (370)	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	ND (360)	ND (370)	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (360)	130 J	-	-	-
Benzo(a)pyrene	ug/Kg	ND (360)	140 J	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (360)	190 J	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (360)	100 J	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (360)	79 J	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	ND (360)	ND (370)	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	ND (360)	ND (370)	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	ND (360)	ND (370)	-	-	-
Butyl benzylphthalate	ug/Kg	-	ND (370)	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	ND (360)	ND (370)	-	-	-
Chrysene	ug/Kg	ND (360)	160 J	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (360)	ND (370)	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-10/10A-99***	***TP-14-99***	***TP-J1A-00***	***TP-J1A-00***	***TP-J1A-00***
Sample ID:		***S-12609-100699-DEN-03***	***S-12609-100699-DEN-05***	***S-12609-060700-DEN-102***	***S-12609-060700-DEN-103***	***S-12609-060700-DEN-104***
Sample Depth:		***(1-2)***	***(0-2)***	***(2-3)***	***(2-3)***	***(4-5)***
Sample Date:		***10/6/1999***	***10/6/1999***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	ND (360)	ND (370)	-	-	-
Diethyl phthalate	ug/Kg	ND (360)	ND (370)	-	-	-
Dimethyl phthalate	ug/Kg	-	ND (370)	-	-	-
Di-n-butylphthalate	ug/Kg	-	ND (370)	-	-	-
Di-n-octyl phthalate	ug/Kg	ND (360)	ND (370)	-	-	-
Fluoranthene	ug/Kg	ND (360)	290 J	-	-	-
Fluorene	ug/Kg	ND (360)	ND (370)	-	-	-
Hexachlorobenzene	ug/Kg	ND (360)	ND (370)	-	-	-
Hexachlorobutadiene	ug/Kg	ND (360)	ND (370)	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	ND (1800)	-	-	-
Hexachloroethane	ug/Kg	-	ND (370)	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (360)	100 J	-	-	-
Isophorone	ug/Kg	-	ND (370)	-	-	-
Naphthalene	ug/Kg	ND (360)	ND (370)	-	-	-
Nitrobenzene	ug/Kg	-	ND (370)	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	ND (360)	ND (370)	-	-	-
N-Nitrosodiphenylamine	ug/Kg	ND (360)	ND (370)	-	-	-
Pentachlorophenol	ug/Kg	ND (360)	ND (370)	-	-	-
Phenanthrene	ug/Kg	ND (360)	98 J	-	-	-
Phenol	ug/Kg	ND (360)	ND (370)	-	-	-
Pyrene	ug/Kg	ND (360)	240 J	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1221	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1232	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1242	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1248	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1254	ug/Kg	ND (36)	ND (37)	-	-	-
Aroclor-1260	ug/Kg	ND (36)	ND (37)	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	-	-	226000	206000	13700
Antimony	mg/Kg	-	-	ND (48.5) UJ	ND (18.6) UJ	ND (7.6) UJ
Arsenic	mg/Kg	-	-	ND (8.1)	3.7	8.8
Barium	mg/Kg	-	-	ND (32.4)	ND (62.0)	118
Beryllium	mg/Kg	-	-	2.0	ND (1.5)	ND (0.64)
Cadmium	mg/Kg	-	-	4.4	16.7	ND (0.64)
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	-	-	13300	203	22.7
Cobalt	mg/Kg	-	-	12.2	ND (15.5)	11.2
Copper	mg/Kg	-	-	4560	7950	25.6
Iron	mg/Kg	-	-	41300	10000	23000
Lead	mg/Kg	-	-	149	360	11.1
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	-	-	15800	503	1220
Mercury	mg/Kg	-	-	ND (0.16)	ND (0.31)	ND (0.13)
Nickel	mg/Kg	-	-	146	189	32.9 J

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-10/10A-99***	***TP-14-99***	***TP-J1A-00***	***TP-J1A-00***	***TP-J1A-00***
Sample ID:		***S-12609-100699-DEN-03***	***S-12609-100699-DEN-05***	***S-12609-060700-DEN-102***	***S-12609-060700-DEN-103***	***S-12609-060700-DEN-104***
Sample Depth:		***(1-2)***	***(0-2)***	***(2-3)***	***(2-3)***	***(4-5)***
Sample Date:		***10/6/1999***	***10/6/1999***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	-	-	5.6	ND (3.1)	ND (0.64)
Silver	mg/Kg	-	-	ND (8.1)	9.0	ND (1.3)
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	-	-	11.1	ND (6.2)	1.8
Vanadium	mg/Kg	-	-	470	39.5	29.3
Zinc	mg/Kg	-	-	4390	6820	57.0 J
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	ND (11)	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J1B-00*	*TP-J1C-00*	*TP-J1D-00*	*TP-J1E-00*	*TP-J1E-00*
Sample ID:		*S-12609-060700-DEN-106*	*S-12609-060700-DEN-107*	*S-12609-060700-DEN-108*	*S-12609-060700-DEN-109*	*S-12609-060700-DEN-110*
Sample Depth:		*(2-5)*	*(1-5)*	*(1-4)*	*(1-4)*	*(1-4)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Cyclohexane	ug/Kg	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	-	-
Methyl cyclohexane	ug/Kg	-	-	-	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J1B-00*	*TP-J1C-00*	*TP-J1D-00*	*TP-J1E-00*	*TP-J1E-00*
Sample ID:		*S-12609-060700-DEN-106*	*S-12609-060700-DEN-107*	*S-12609-060700-DEN-108*	*S-12609-060700-DEN-109*	*S-12609-060700-DEN-110*
Sample Depth:		*(2-5)*	*(1-5)*	*(1-4)*	*(1-4)*	*(1-4)*
Sample Date:		*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*	*6/7/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1B-00***	***TP-J1C-00***	***TP-J1D-00***	***TP-J1E-00***	***TP-J1E-00***
Sample ID:		***S-12609-060700-DEN-106***	***S-12609-060700-DEN-107***	***S-12609-060700-DEN-108***	***S-12609-060700-DEN-109***	***S-12609-060700-DEN-110***
Sample Depth:		***(2-5)***	***(1-5)***	***(1-4)***	***(1-4)***	***(1-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	-	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	6400	15200	12400	6340	10900
Antimony	mg/Kg	ND (7.0) UJ	ND (7.8) UJ	ND (7.3) UJ	ND (7.3) UJ	ND (7.4) UJ
Arsenic	mg/Kg	3.4	7.5	7.4	7.5	5.3
Barium	mg/Kg	44.0	99.3	61.8	41.6	71.7
Beryllium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Cadmium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	10.1	24.1	17.5	10.8	16.5
Cobalt	mg/Kg	ND (5.9)	11.5	9.3	ND (6.1)	ND (6.2)
Copper	mg/Kg	9.3	23.8	19.0	12.5	7.3
Iron	mg/Kg	10300	23900	22100	13400	18800
Lead	mg/Kg	7.7	11.5	12.9	6.7	7.8
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	164	387	373	262	164
Mercury	mg/Kg	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.12)
Nickel	mg/Kg	11.1	27.5	17.5	13.7	13.2

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1B-00***	***TP-J1C-00***	***TP-J1D-00***	***TP-J1E-00***	***TP-J1E-00***
Sample ID:		***S-12609-060700-DEN-106***	***S-12609-060700-DEN-107***	***S-12609-060700-DEN-108***	***S-12609-060700-DEN-109***	***S-12609-060700-DEN-110***
Sample Depth:		***(2-5)***	***(1-5)***	***(1-4)***	***(1-4)***	***(1-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***	***6/7/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	ND (0.59)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.62)
Silver	mg/Kg	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	ND (1.2)	1.7	1.3	1.6	ND (1.2)
Vanadium	mg/Kg	14.6	30.6	26.3	18.6	24.9
Zinc	mg/Kg	33.6	60.9	43.1	31.3	53.5
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J1F-00*	*TP-J1F-00*	*TP-U2-00*	*TP-U3-00*	*TP-U4-00*
Sample ID:		*S-12609-060700-DEN-111*	*S-12609-060700-DEN-112*	*S-12609-041100-RSH-509*	*S-12609-041100-RSH-508*	*S-12609-041100-RSH-507*
Sample Depth:		*(2.5-4)*	*(4-5)*	*(0-5)*	*(0-4)*	*(0-4)*
Sample Date:		*6/7/2000*	*6/7/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,1-Dichloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,1-Dichloroethene	ug/Kg	-	-	ND (5.8)	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	ND (12)	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	ND (5.8)	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
1,2-Dichloroethane	ug/Kg	-	-	ND (5.8)	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	ND (5.8)	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
2-Butanone	ug/Kg	-	-	ND (23)	-	-
2-Hexanone	ug/Kg	-	-	ND (23)	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (23)	-	-
Acetone	ug/Kg	-	-	ND (23) U	-	-
Benzene, isopropyl	ug/Kg	-	-	ND (5.8)	-	-
Benzene	ug/Kg	-	-	ND (5.8)	-	-
Bromodichloromethane	ug/Kg	-	-	ND (5.8)	-	-
Bromoform	ug/Kg	-	-	ND (5.8)	-	-
Bromomethane	ug/Kg	-	-	ND (12)	-	-
Carbon disulfide	ug/Kg	-	-	ND (5.8)	-	-
Carbon tetrachloride	ug/Kg	-	-	ND (5.8)	-	-
Chlorobenzene	ug/Kg	-	-	ND (5.8)	-	-
Chloroethane	ug/Kg	-	-	ND (12)	-	-
Chloroform	ug/Kg	-	-	ND (5.8)	-	-
Chloromethane	ug/Kg	-	-	ND (12)	-	-
cis-1,2-Dichloroethene	ug/Kg	-	-	ND (2.9)	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	ND (5.8)	-	-
Cyclohexane	ug/Kg	-	-	ND (12)	-	-
Dibromochloromethane	ug/Kg	-	-	ND (5.8)	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	ND (12)	-	-
Ethylbenzene	ug/Kg	-	-	ND (5.8)	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Methyl acetate	ug/Kg	-	-	ND (12)	-	-
Methyl cyclohexane	ug/Kg	-	-	ND (12)	-	-
Methyl Tert Butyl Ether	ug/Kg	-	-	ND (23)	-	-
Methylene chloride	ug/Kg	-	-	0.62 U	-	-
Styrene	ug/Kg	-	-	ND (5.8)	-	-
Tetrachloroethene	ug/Kg	-	-	ND (5.8)	-	-
Toluene	ug/Kg	-	-	0.47 J	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	ND (2.9)	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	ND (5.8)	-	-
Trichloroethene	ug/Kg	-	-	ND (5.8)	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	ND (12)	-	-
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	ND (5.8)	-	-
Vinyl chloride	ug/Kg	-	-	ND (12)	-	-
Xylene (total)	ug/Kg	-	-	1.2 J	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-J1F-00*	*TP-J1F-00*	*TP-U2-00*	*TP-U3-00*	*TP-U4-00*
Sample ID:		*S-12609-060700-DEN-111*	*S-12609-060700-DEN-112*	*S-12609-041100-RSH-509*	*S-12609-041100-RSH-508*	*S-12609-041100-RSH-507*
Sample Depth:		*(2.5-4)*	*(4-5)*	*(0-5)*	*(0-4)*	*(0-4)*
Sample Date:		*6/7/2000*	*6/7/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***					
Semi - Volatiles						
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-
Atrazine	ug/Kg	-	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-	-
Carbazole	ug/Kg	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1F-00***	***TP-J1F-00***	***TP-U2-00***	***TP-U3-00***	***TP-U4-00***
Sample ID:		***S-12609-060700-DEN-111***	***S-12609-060700-DEN-112***	***S-12609-041100-RSH-509***	***S-12609-041100-RSH-508***	***S-12609-041100-RSH-507***
Sample Depth:		***(2.5-4)***	***(4-5)***	***(0-5)***	***(0-4)***	***(0-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Dibenzofuran	ug/Kg	-	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-
Isophorone	ug/Kg	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-
Phenol	ug/Kg	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-
PCBs						
Aroclor-1016	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1221	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1232	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1242	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1248	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1254	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Aroclor-1260	ug/Kg	-	-	ND (36)	ND (36)	ND (40)
Total PCBs	ug/Kg	-	-	-	-	-
Metals						
Aluminum	mg/Kg	270000	2570	-	-	-
Antimony	mg/Kg	ND (38.7) UJ	ND (7.0) UJ	-	-	-
Arsenic	mg/Kg	ND (6.4)	2.0	-	-	-
Barium	mg/Kg	ND (25.8)	ND (23.2)	-	-	-
Beryllium	mg/Kg	4.0	ND (0.58)	-	-	-
Cadmium	mg/Kg	2.1	ND (0.58)	-	-	-
Calcium	mg/Kg	-	-	-	-	-
Chromium	mg/Kg	18100	9.0	-	-	-
Cobalt	mg/Kg	14.6	ND (5.8)	-	-	-
Copper	mg/Kg	4360	3.4	-	-	-
Iron	mg/Kg	64000	4860	-	-	-
Lead	mg/Kg	96.6	1.9	-	-	-
Magnesium	mg/Kg	-	-	-	-	-
Manganese	mg/Kg	25800	46.6	-	-	-
Mercury	mg/Kg	ND (0.13)	ND (0.12)	-	-	-
Nickel	mg/Kg	138	ND (4.6)	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-J1F-00***	***TP-J1F-00***	***TP-U2-00***	***TP-U3-00***	***TP-U4-00***
Sample ID:		***S-12609-060700-DEN-111***	***S-12609-060700-DEN-112***	***S-12609-041100-RSH-509***	***S-12609-041100-RSH-508***	***S-12609-041100-RSH-507***
Sample Depth:		***(2.5-4)***	***(4-5)***	***(0-5)***	***(0-4)***	***(0-4)***
Sample Date:		***6/7/2000***	***6/7/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***					
Potassium	mg/Kg	-	-	-	-	-
Selenium	mg/Kg	4.7	ND (0.58)	-	-	-
Silver	mg/Kg	ND (6.4)	ND (1.2)	-	-	-
Sodium	mg/Kg	-	-	-	-	-
Thallium	mg/Kg	45.1	ND (1.2)	-	-	-
Vanadium	mg/Kg	835	7.4	-	-	-
Zinc	mg/Kg	3770	10.9	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*TP-U5-00*	*TP-U6-00*	*TP-U6-00*	*TP-U7-00*
Sample ID:		*S-12609-041100-RSH-506*	*S-12609-041100-RSH-502*	*S-12609-041100-RSH-500*	*S-12609-041100-RSH-501*
Sample Depth:		*(0-4)*	*(0-4)*	*(0-5)*	*(0-5)*
Sample Date:		*4/11/2000*	*4/11/2000*	*4/11/2000*	*4/11/2000*
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/Kg	-	-	-	ND (5.2)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	ND (5.2)
1,1,2-Trichloroethane	ug/Kg	-	-	-	ND (5.2)
1,1-Dichloroethane	ug/Kg	-	-	-	ND (5.2)
1,1-Dichloroethene	ug/Kg	-	-	-	ND (5.2)
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	ND (5.2)
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	ND (10)
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	ND (5.2)
1,2-Dichlorobenzene	ug/Kg	-	-	-	ND (5.2)
1,2-Dichloroethane	ug/Kg	-	-	-	ND (5.2)
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	ND (5.2)
1,3-Dichlorobenzene	ug/Kg	-	-	-	ND (5.2)
1,4-Dichlorobenzene	ug/Kg	-	-	-	ND (5.2)
2-Butanone	ug/Kg	-	-	-	ND (21)
2-Hexanone	ug/Kg	-	-	-	ND (21)
4-Methyl-2-pentanone	ug/Kg	-	-	-	ND (21)
Acetone	ug/Kg	-	-	-	ND (21) U
Benzene, isopropyl	ug/Kg	-	-	-	ND (5.2)
Benzene	ug/Kg	-	-	-	ND (5.2)
Bromodichloromethane	ug/Kg	-	-	-	ND (5.2)
Bromoform	ug/Kg	-	-	-	ND (5.2)
Bromomethane	ug/Kg	-	-	-	ND (10)
Carbon disulfide	ug/Kg	-	-	-	ND (5.2)
Carbon tetrachloride	ug/Kg	-	-	-	ND (5.2)
Chlorobenzene	ug/Kg	-	-	-	ND (5.2)
Chloroethane	ug/Kg	-	-	-	ND (10)
Chloroform	ug/Kg	-	-	-	ND (5.2)
Chloromethane	ug/Kg	-	-	-	ND (10)
cis-1,2-Dichloroethene	ug/Kg	-	-	-	ND (2.6)
cis-1,3-Dichloropropene	ug/Kg	-	-	-	ND (5.2)
Cyclohexane	ug/Kg	-	-	-	ND (10)
Dibromochloromethane	ug/Kg	-	-	-	ND (5.2)
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	ND (10)
Ethylbenzene	ug/Kg	-	-	-	ND (5.2)
Hexachlorobutadiene	ug/Kg	-	-	-	-
Methyl acetate	ug/Kg	-	-	-	ND (10)
Methyl cyclohexane	ug/Kg	-	-	-	ND (10)
Methyl Tert Butyl Ether	ug/Kg	-	-	-	ND (21)
Methylene chloride	ug/Kg	-	-	-	0.65 U
Styrene	ug/Kg	-	-	-	ND (5.2)
Tetrachloroethene	ug/Kg	-	-	-	ND (5.2)
Toluene	ug/Kg	-	-	-	0.35 J
trans-1,2-Dichloroethene	ug/Kg	-	-	-	ND (2.6)
trans-1,3-Dichloropropene	ug/Kg	-	-	-	ND (5.2)
Trichloroethene	ug/Kg	-	-	-	ND (5.2)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	ND (10)
Trifluorotrichloroethane (Freon 113)	ug/Kg	-	-	-	ND (5.2)
Vinyl chloride	ug/Kg	-	-	-	ND (10)
Xylene (total)	ug/Kg	-	-	-	1.1 J

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-U5-00***	***TP-U6-00***	***TP-U6-00***	***TP-U7-00***
Sample ID:		***S-12609-041100-RSH-506***	***S-12609-041100-RSH-502***	***S-12609-041100-RSH-500***	***S-12609-041100-RSH-501***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-5)***	***(0-5)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***				
Semi - Volatiles					
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-
1-Methyl naphthalene	ug/Kg	-	-	-	-
2,4,5-Trichlorophenol	ug/Kg	-	-	-	-
2,4,6-Trichlorophenol	ug/Kg	-	-	-	-
2,4-Dichlorophenol	ug/Kg	-	-	-	-
2,4-Dimethylphenol	ug/Kg	-	-	-	-
2,4-Dinitrophenol	ug/Kg	-	-	-	-
2,4-Dinitrotoluene	ug/Kg	-	-	-	-
2,6-Dinitrotoluene	ug/Kg	-	-	-	-
2-Chloronaphthalene	ug/Kg	-	-	-	-
2-Chlorophenol	ug/Kg	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-
2-Methylphenol	ug/Kg	-	-	-	-
2-Nitroaniline	ug/Kg	-	-	-	-
2-Nitrophenol	ug/Kg	-	-	-	-
3,3'-Dichlorobenzidine	ug/Kg	-	-	-	-
3-Nitroaniline	ug/Kg	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/Kg	-	-	-	-
4-Bromophenyl phenyl ether	ug/Kg	-	-	-	-
4-Chloro-3-methylphenol	ug/Kg	-	-	-	-
4-Chloroaniline	ug/Kg	-	-	-	-
4-Chlorophenyl phenyl ether	ug/Kg	-	-	-	-
4-Methylphenol	ug/Kg	-	-	-	-
4-Nitroaniline	ug/Kg	-	-	-	-
4-Nitrophenol	ug/Kg	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-
Acetophenone	ug/Kg	-	-	-	-
Anthracene	ug/Kg	-	-	-	-
Atrazine	ug/Kg	-	-	-	-
Benzaldehyde	ug/Kg	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-
Biphenyl	ug/Kg	-	-	-	-
bis(2-Chloroethoxy)methane	ug/Kg	-	-	-	-
bis(2-Chloroethyl)ether	ug/Kg	-	-	-	-
bis(2-Chloroisopropyl)ether	ug/Kg	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/Kg	-	-	-	-
Butyl benzylphthalate	ug/Kg	-	-	-	-
Caprolactam	ug/Kg	-	-	-	-
Carbazole	ug/Kg	-	-	-	-
Chrysene	ug/Kg	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-U5-00***	***TP-U6-00***	***TP-U6-00***	***TP-U7-00***
Sample ID:		***S-12609-041100-RSH-506***	***S-12609-041100-RSH-502***	***S-12609-041100-RSH-500***	***S-12609-041100-RSH-501***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-5)***	***(0-5)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***				
Dibenzofuran	ug/Kg	-	-	-	-
Diethyl phthalate	ug/Kg	-	-	-	-
Dimethyl phthalate	ug/Kg	-	-	-	-
Di-n-butylphthalate	ug/Kg	-	-	-	-
Di-n-octyl phthalate	ug/Kg	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-
Fluorene	ug/Kg	-	-	-	-
Hexachlorobenzene	ug/Kg	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-
Hexachlorocyclopentadiene	ug/Kg	-	-	-	-
Hexachloroethane	ug/Kg	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-
Isophorone	ug/Kg	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-
Nitrobenzene	ug/Kg	-	-	-	-
N-Nitrosodi-n-propylamine	ug/Kg	-	-	-	-
N-Nitrosodiphenylamine	ug/Kg	-	-	-	-
Pentachlorophenol	ug/Kg	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-
Phenol	ug/Kg	-	-	-	-
Pyrene	ug/Kg	-	-	-	-
PCBs					
Aroclor-1016	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1221	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1232	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1242	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1248	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1254	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Aroclor-1260	ug/Kg	ND (38)	ND (37)	ND (37)	ND (36)
Total PCBs	ug/Kg	-	-	-	-
Metals					
Aluminum	mg/Kg	-	-	-	-
Antimony	mg/Kg	-	-	-	-
Arsenic	mg/Kg	-	-	-	-
Barium	mg/Kg	-	-	-	-
Beryllium	mg/Kg	-	-	-	-
Cadmium	mg/Kg	-	-	-	-
Calcium	mg/Kg	-	-	-	-
Chromium	mg/Kg	-	-	-	-
Cobalt	mg/Kg	-	-	-	-
Copper	mg/Kg	-	-	-	-
Iron	mg/Kg	-	-	-	-
Lead	mg/Kg	-	-	-	-
Magnesium	mg/Kg	-	-	-	-
Manganese	mg/Kg	-	-	-	-
Mercury	mg/Kg	-	-	-	-
Nickel	mg/Kg	-	-	-	-

TABLE C.7.1

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF CREEK / AREA WEST OF FORMER DISPOSAL AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***TP-U5-00***	***TP-U6-00***	***TP-U6-00***	***TP-U7-00***
Sample ID:		***S-12609-041100-RSH-506***	***S-12609-041100-RSH-502***	***S-12609-041100-RSH-500***	***S-12609-041100-RSH-501***
Sample Depth:		***(0-4)***	***(0-4)***	***(0-5)***	***(0-5)***
Sample Date:		***4/11/2000***	***4/11/2000***	***4/11/2000***	***4/11/2000***
Parameter	***Unit***				
Potassium	mg/Kg	-	-	-	-
Selenium	mg/Kg	-	-	-	-
Silver	mg/Kg	-	-	-	-
Sodium	mg/Kg	-	-	-	-
Thallium	mg/Kg	-	-	-	-
Vanadium	mg/Kg	-	-	-	-
Zinc	mg/Kg	-	-	-	-
General Chemistry					
Cyanide (total)	mg/Kg	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SECTION 8

SOUTHWEST AREA

TABLE C.8.1

SUMMARY OF ANALYTICAL RESULTS
SOUTHWEST AREA
SOIL SAMPLES
TOLEDO, OHIO

		BH239-00	BH239-00	BH239-00	BH239-00	BH240-00	BH240-00	BH240-00
Sample ID:		S-12609-060600-DEN-70	S-12609-060600-DEN-71	S-12609-060600-DEN-72	S-12609-060600-DEN-73	S-12609-060600-DEN-74	S-12609-060600-DEN-75	S-12609-060600-DEN-76
Sample Depth:		(0-2)	(2-4)	(6-8)	(6-8)	(0-2)	(2-4)	(6-8)
Sample Date:		6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000
Parameter	***Unit***							
PCBs								
Aroclor-1016	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1221	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1232	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1242	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1248	ug/Kg	3200	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1254	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)
Aroclor-1260	ug/Kg	ND (390)	ND (42)	ND (44)	ND (43)	ND (43)	ND (37)	ND (40)

TABLE C.8.1

SUMMARY OF ANALYTICAL RESULTS
SOUTHWEST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		BH241-00	BH241-00	BH241-00	BH242-00	BH242-00	BH242-00	BH242-00
Sample ID:		S-12609-060600-DEN-81	S-12609-060600-DEN-82	S-12609-060600-DEN-83	S-12609-060600-DEN-77	S-12609-060600-DEN-78	S-12609-060600-DEN-79	S-12609-060600-DEN-80
Sample Depth:		(0-2)	(2-4)	(6-8)		(0-2)	(2-4)	(6-8)
Sample Date:		6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000
Parameter	***Unit***							
PCBs								
Aroclor-1016	ug/Kg	ND (37)	ND (38)	ND (42)	ND (6.3)	ND (40)	ND (40)	ND (40)
Aroclor-1221	ug/Kg	ND (37)	ND (38)	ND (42)	ND (23)	ND (40)	ND (40)	ND (40)
Aroclor-1232	ug/Kg	ND (37)	ND (38)	ND (42)	ND (13)	ND (40)	ND (40)	ND (40)
Aroclor-1242	ug/Kg	ND (37)	ND (38)	ND (42)	ND (21)	ND (40)	ND (40)	ND (40)
Aroclor-1248	ug/Kg	ND (37)	ND (38)	ND (42)	ND (5.5)	ND (40)	ND (40)	ND (40)
Aroclor-1254	ug/Kg	ND (37)	ND (38)	ND (42)	ND (24)	49	ND (40)	ND (40)
Aroclor-1260	ug/Kg	ND (37)	ND (38)	ND (42)	ND (8.8)	ND (40)	ND (40)	ND (40)

SECTION 9

SILVER CREEK AND TRIBUTARY DITCHES

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

		SED-1-98	*SED-2-98*	*SED-3-98*	*SED-4-98*	*SED-5-98*
Sample ID:		***SD-10236-030598-MP-010***	***SD-10236-030498-MP-008***	***SD-10236-030498-MP-003***	***SD-10236-030498-MP-002***	***SD-10236-030598-MP-013***
Sample Depth:						
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/4/1998***	***3/5/1998***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,2-Dichloroethene (total)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
2-Butanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2-Hexanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Acetone	ug/Kg	130	ND (100)	ND (100)	ND (100)	2600
Benzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Bromoform	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Bromomethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Carbon disulfide	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Chlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Chloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Chloroform	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Chloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Ethylbenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Methylene chloride	ug/Kg	13 U	ND (10)	ND (10)	ND (10)	ND (40)
Styrene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Toluene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Vinyl chloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (40)
Xylene (total)	ug/Kg	ND (30)	ND (30)	ND (30)	ND (30)	ND (40)
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-1-98***	***SED-2-98***	***SED-3-98***	***SED-4-98***	***SED-5-98***
Sample ID:		***SD-10236-030598-MP-010***	***SD-10236-030498-MP-008***	***SD-10236-030498-MP-003***	***SD-10236-030498-MP-002***	***SD-10236-030598-MP-013***
Sample Depth:						
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/4/1998***	***3/5/1998***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	8900 J	8000	3500	4400	6000 J
Antimony	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ
Arsenic	mg/Kg	3.3 J	7.9	3.7	4.3	3 J
Barium	mg/Kg	75	77	46	53	66
Beryllium	mg/Kg	0.37	ND (0.26)	ND (0.32)	ND (0.2)	ND (0.34)
Cadmium	mg/Kg	0.61	0.33	0.48	0.32	0.49
Calcium	mg/Kg	8800	30000	6200	20000	20000
Chromium	mg/Kg	18	15	8.1	8.6	13
Cobalt	mg/Kg	6.1	7.5	4.1	4.6	4
Copper	mg/Kg	16	22	8.6	13	16
Iron	mg/Kg	20000	20000	8200	10000	10000
Lead	mg/Kg	21 J	21 J	18 J	18 J	33 J
Magnesium	mg/Kg	4300	10000	2800	7200	10000
Manganese	mg/Kg	490	380	560	620	310
Mercury	mg/Kg	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Nickel	mg/Kg	28	21	9	15	11
Potassium	mg/Kg	1000	1300	380	430	720
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ
Silver	mg/Kg	R	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	R
Sodium	mg/Kg	170	79	45	71	89
Thallium	mg/Kg	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vanadium	mg/Kg	26	20	11	14	17
Zinc	mg/Kg	110	82	46	85	89
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.31

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		*SED-6-98*	*SED-7-98*	*SED-8-98*	*SED-8-98*	*SED-10-98*
Sample ID:		*SD-10236-030598-MP-011*	*SD-10236-030498-MP-001*	*SD-10236-030498-MP-004*	*SD-10236-030498-MP-005*	*SD-10236-030498-MP-006*
Sample Depth:						
Sample Date:		*3/5/1998*	*3/4/1998*	*3/4/1998*	*3/4/1998* *Duplicate*	*3/4/1998*
Parameter	*Unit*					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethene (total)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloropropane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Butanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2-Hexanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Acetone	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Benzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromomethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon disulfide	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Carbon tetrachloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene chloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Tetrachloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Toluene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vinyl chloride	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ug/Kg	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (330)	ND (330)	ND (330)

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-6-98***	***SED-7-98***	***SED-8-98***	***SED-8-98***	***SED-10-98***
Sample ID:		***SD-10236-030598-MP-011***	***SD-10236-030498-MP-001***	***SD-10236-030498-MP-004***	***SD-10236-030498-MP-005***	***SD-10236-030498-MP-006***
Sample Depth:						
Sample Date:		***3/5/1998***	***3/4/1998***	***3/4/1998***	***3/4/1998 Duplicate***	***3/4/1998***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	730 J	710	2100	2000	690
Antimony	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ
Arsenic	mg/Kg	1.2 J	1.9	2.4	2.6	2.6
Barium	mg/Kg	21	9	23	21	13
Beryllium	mg/Kg	ND (0.27)	ND (0.2)	ND (0.29)	0.34	4.5
Cadmium	mg/Kg	0.37	0.37	0.18	0.25	0.26
Calcium	mg/Kg	10000	7500	6500	5400	7500
Chromium	mg/Kg	9.2	3.3	5.6	5.8	3.4
Cobalt	mg/Kg	4.9	2.6	2.2	4.3	2.3
Copper	mg/Kg	8.4	3.3	5.9	5.3	5.6
Iron	mg/Kg	4800	2300	6500	5900	2900
Lead	mg/Kg	17 J	41 J	8.7 J	8.3 J	16 J
Magnesium	mg/Kg	5200	3200	3000	2700	3000
Manganese	mg/Kg	180	75	120	100	94
Mercury	mg/Kg	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Nickel	mg/Kg	5.7	5.4	10	7.2	4.1
Potassium	mg/Kg	170	67	180	170	77
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ
Silver	mg/Kg	R	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.5) UJ
Sodium	mg/Kg	71	56	55	50	52
Thallium	mg/Kg	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vanadium	mg/Kg	7	3	9	8.8	3.2
Zinc	mg/Kg	75	42	46	41	45
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-11-98***	***SED-12-98***	***SED14-00***	***SED15-00***	***SED15-00***
Sample ID:		***SD-10236-030498-MP-007***	***SD-10236-030598-MP-012***	***SED-12609-041700-DRD-450***	***SED-12609-041700-DRD-451***	***SED-12609-041700-DRD-452***
Sample Depth:				***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***3/4/1998***	***3/5/1998***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
1,1-Dichloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
1,1-Dichloroethene	ug/Kg	ND (10)	ND (11)	-	-	-
1,2-Dichlorobenzene	ug/Kg	ND (10)	ND (11)	-	-	-
1,2-Dichloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (10)	ND (11)	-	-	-
1,2-Dichloropropane	ug/Kg	ND (10)	ND (11)	-	-	-
1,3-Dichlorobenzene	ug/Kg	ND (10)	ND (11)	-	-	-
1,4-Dichlorobenzene	ug/Kg	ND (10)	ND (11)	-	-	-
2-Butanone	ug/Kg	ND (100)	ND (100)	-	-	-
2-Hexanone	ug/Kg	ND (100)	ND (100)	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (100)	ND (100)	-	-	-
Acetone	ug/Kg	ND (100)	ND (100)	-	-	-
Benzene	ug/Kg	ND (10)	ND (11)	-	-	-
Bromodichloromethane	ug/Kg	ND (10)	ND (11)	-	-	-
Bromoform	ug/Kg	ND (10)	ND (11)	-	-	-
Bromomethane	ug/Kg	ND (10)	ND (11)	-	-	-
Carbon disulfide	ug/Kg	ND (100)	ND (100)	-	-	-
Carbon tetrachloride	ug/Kg	ND (10)	ND (11)	-	-	-
Chlorobenzene	ug/Kg	ND (10)	ND (11)	-	-	-
Chloroethane	ug/Kg	ND (10)	ND (11)	-	-	-
Chloroform	ug/Kg	ND (10)	ND (11)	-	-	-
Chloromethane	ug/Kg	ND (10)	ND (11)	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (10)	ND (11)	-	-	-
Dibromochloromethane	ug/Kg	ND (10)	ND (11)	-	-	-
Ethylbenzene	ug/Kg	ND (10)	ND (11)	-	-	-
Methylene chloride	ug/Kg	ND (10)	ND (11)	-	-	-
Styrene	ug/Kg	ND (10)	ND (11)	-	-	-
Tetrachloroethene	ug/Kg	ND (10)	ND (11)	-	-	-
Toluene	ug/Kg	ND (10)	ND (11)	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (10)	ND (11)	-	-	-
Trichloroethene	ug/Kg	ND (10)	ND (11)	-	-	-
Vinyl chloride	ug/Kg	ND (10)	ND (11)	-	-	-
Xylene (total)	ug/Kg	ND (30)	ND (30)	-	-	-
PCBs						
Aroclor-1016	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)
Aroclor-1221	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)
Aroclor-1232	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)
Aroclor-1242	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)
Aroclor-1248	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)
Aroclor-1254	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	73
Aroclor-1260	ug/Kg	ND (330)	ND (330)	ND (41)	ND (41)	ND (44)

TABLE C.9.1

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED-11-98***	***SED-12-98***	***SED14-00***	***SED15-00***	***SED15-00***
Sample ID:		***SD-10236-030498-MP-007***	***SD-10236-030598-MP-012***	***SED-12609-041700-DRD-450***	***SED-12609-041700-DRD-451***	***SED-12609-041700-DRD-452***
Sample Depth:				***(0-0.5)***	***(0-0.5)***	***(0-0.5)***
Sample Date:		***3/4/1998***	***3/5/1998***	***4/17/2000***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/Kg	780	3900 J	-	-	-
Antimony	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	-	-	-
Arsenic	mg/Kg	3.5	5 J	-	-	-
Barium	mg/Kg	12	49	-	-	-
Beryllium	mg/Kg	ND (0.32)	ND (0.42)	-	-	-
Cadmium	mg/Kg	0.28	1.2	-	-	-
Calcium	mg/Kg	10000	30000	-	-	-
Chromium	mg/Kg	5.6	16	-	-	-
Cobalt	mg/Kg	3.1	4.3	-	-	-
Copper	mg/Kg	4	23	-	-	-
Iron	mg/Kg	2900	9500	-	-	-
Lead	mg/Kg	19	ND (2.1) UJ	-	-	-
Magnesium	mg/Kg	4500	10000	-	-	-
Manganese	mg/Kg	97	260	-	-	-
Mercury	mg/Kg	ND (0.1)	ND (0.1)	-	-	-
Nickel	mg/Kg	3.9	11	-	-	-
Potassium	mg/Kg	81	550	-	-	-
Selenium	mg/Kg	ND (0.5) UJ	ND (0.5) UJ	-	-	-
Silver	mg/Kg	ND (0.5) UJ	R	-	-	-
Sodium	mg/Kg	50	220	-	-	-
Thallium	mg/Kg	ND (0.5)	ND (0.5)	-	-	-
Vanadium	mg/Kg	4.6	13	-	-	-
Zinc	mg/Kg	45	160	-	-	-
General Chemistry						
Cyanide (total)	mg/Kg	ND (0.2)	0.59	-	-	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED16-00***
Sample ID:		***SED-12609-041700-DRD-453***
Sample Depth:		***(0-0.5)***
Sample Date:		***4/17/2000***
Parameter	***Unit***	
Volatiles		
1,1,1-Trichloroethane	ug/Kg	-
1,1,2,2-Tetrachloroethane	ug/Kg	-
1,1,2-Trichloroethane	ug/Kg	-
1,1-Dichloroethane	ug/Kg	-
1,1-Dichloroethene	ug/Kg	-
1,2-Dichlorobenzene	ug/Kg	-
1,2-Dichloroethane	ug/Kg	-
1,2-Dichloroethene (total)	ug/Kg	-
1,2-Dichloropropane	ug/Kg	-
1,3-Dichlorobenzene	ug/Kg	-
1,4-Dichlorobenzene	ug/Kg	-
2-Butanone	ug/Kg	-
2-Hexanone	ug/Kg	-
4-Methyl-2-pentanone	ug/Kg	-
Acetone	ug/Kg	-
Benzene	ug/Kg	-
Bromodichloromethane	ug/Kg	-
Bromoform	ug/Kg	-
Bromomethane	ug/Kg	-
Carbon disulfide	ug/Kg	-
Carbon tetrachloride	ug/Kg	-
Chlorobenzene	ug/Kg	-
Chloroethane	ug/Kg	-
Chloroform	ug/Kg	-
Chloromethane	ug/Kg	-
cis-1,3-Dichloropropene	ug/Kg	-
Dibromochloromethane	ug/Kg	-
Ethylbenzene	ug/Kg	-
Methylene chloride	ug/Kg	-
Styrene	ug/Kg	-
Tetrachloroethene	ug/Kg	-
Toluene	ug/Kg	-
trans-1,3-Dichloropropene	ug/Kg	-
Trichloroethene	ug/Kg	-
Vinyl chloride	ug/Kg	-
Xylene (total)	ug/Kg	-
PCBs		
Aroclor-1016	ug/Kg	ND (41)
Aroclor-1221	ug/Kg	ND (41)
Aroclor-1232	ug/Kg	ND (41)
Aroclor-1242	ug/Kg	ND (41)
Aroclor-1248	ug/Kg	90
Aroclor-1254	ug/Kg	ND (41)
Aroclor-1260	ug/Kg	ND (41)

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SEDIMENT SAMPLES
TOLEDO, OHIO

Location:		***SED16-00***
Sample ID:		***SED-12609-041700-DRD-453***
Sample Depth:		***(0-0.5)***
Sample Date:		***4/17/2000***
Parameter	***Unit***	
Metals		
Aluminum	mg/Kg	-
Antimony	mg/Kg	-
Arsenic	mg/Kg	-
Barium	mg/Kg	-
Beryllium	mg/Kg	-
Cadmium	mg/Kg	-
Calcium	mg/Kg	-
Chromium	mg/Kg	-
Cobalt	mg/Kg	-
Copper	mg/Kg	-
Iron	mg/Kg	-
Lead	mg/Kg	-
Magnesium	mg/Kg	-
Manganese	mg/Kg	-
Mercury	mg/Kg	-
Nickel	mg/Kg	-
Potassium	mg/Kg	-
Selenium	mg/Kg	-
Silver	mg/Kg	-
Sodium	mg/Kg	-
Thallium	mg/Kg	-
Vanadium	mg/Kg	-
Zinc	mg/Kg	-
General Chemistry		
Cyanide (total)	mg/Kg	-

Notes:
U - Non-detect at associated value.
J - Estimated.
- Not analyzed.

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		*SW 1-00*	*SW 1-00*	*SW-1-98*	*SW 2-00*	*SW 2-00*
Sample ID:		*W-12609-041700-DRD-A (FILTERED*	*W-12609-041700-DRD-A*	*SW-10236-030598-MP-010*	*W-12609-041700-DRD-B(FILTERED)*	*W-12609-041700-DRD-B*
Sample Date:		*4/17/2000*	*4/17/2000*	*3/5/1998*	*4/17/2000*	*4/17/2000*
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	ND (1)	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (1)	-	-
1,1,2-Trichloroethane	ug/L	-	-	ND (1)	-	-
1,1-Dichloroethane	ug/L	-	-	ND (1)	-	-
1,1-Dichloroethene	ug/L	-	-	ND (1)	-	-
1,2-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
1,2-Dichloroethane	ug/L	-	-	ND (1)	-	-
1,2-Dichloroethene (total)	ug/L	-	-	39	-	-
1,2-Dichloropropane	ug/L	-	-	2	-	-
1,3-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
1,4-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
2-Butanone	ug/L	-	-	ND (50)	-	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Hexanone	ug/L	-	-	ND (50)	-	-
4-Methyl-2-pentanone	ug/L	-	-	ND (50)	-	-
Acetone	ug/L	-	-	ND (100)	-	-
Benzene	ug/L	-	-	ND (5)	-	-
Bromodichloromethane	ug/L	-	-	ND (1)	-	-
Bromoform	ug/L	-	-	ND (1)	-	-
Bromomethane	ug/L	-	-	ND (1)	-	-
Carbon disulfide	ug/L	-	-	ND (50)	-	-
Carbon tetrachloride	ug/L	-	-	ND (1)	-	-
Chlorobenzene	ug/L	-	-	ND (1)	-	-
Chloroethane	ug/L	-	-	ND (1)	-	-
Chloroform	ug/L	-	-	ND (1)	-	-
Chloromethane	ug/L	-	-	ND (1)	-	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (1)	-	-
Dibromochloromethane	ug/L	-	-	ND (1)	-	-
Ethylbenzene	ug/L	-	-	ND (1)	-	-
Methylene chloride	ug/L	-	-	ND (5)	-	-
Styrene	ug/L	-	-	ND (1)	-	-
Tetrachloroethene	ug/L	-	-	ND (1)	-	-
Toluene	ug/L	-	-	ND (1)	-	-
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (1)	-	-
Trichloroethene	ug/L	-	-	1.2	-	-
Vinyl acetate	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	-	-	ND (1)	-	-
Xylene (total)	ug/L	-	-	ND (3)	-	-
PCBs						
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (0.4)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW 1-00***	***SW 1-00***	***SW-1-98***	***SW 2-00***	***SW 2-00***
Sample ID:		***W-12609-041700-DRD-A (FILTERED***	***W-12609-041700-DRD-A***	***SW-10236-030598-MP-010***	***W-12609-041700-DRD-B(FILTERED)***	***W-12609-041700-DRD-B***
Sample Date:		***4/17/2000***	***4/17/2000***	***3/5/1998***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/L	-	-	0.18 J	-	-
Antimony	mg/L	-	-	ND (0.005)	-	-
Arsenic	mg/L	-	-	ND (0.005)	-	-
Barium	mg/L	-	-	ND (0.2)	-	-
Beryllium	mg/L	-	-	ND (0.001)	-	-
Cadmium	mg/L	-	-	ND (0.0005)	-	-
Calcium	mg/L	-	-	160	-	-
Chromium	mg/L	-	-	ND (0.05)	-	-
Cobalt	mg/L	-	-	ND (0.01)	-	-
Copper	mg/L	-	-	ND (0.025)	-	-
Iron	mg/L	-	-	0.25	-	-
Lead	mg/L	-	-	ND (0.003)	-	-
Magnesium	mg/L	-	-	56	-	-
Manganese	mg/L	-	-	0.048	-	-
Mercury	mg/L	-	-	ND (0.0002)	-	-
Nickel	mg/L	-	-	ND (0.05)	-	-
Potassium	mg/L	-	-	5.2	-	-
Selenium	mg/L	-	-	ND (0.005)	-	-
Silver	mg/L	-	-	ND (0.0005)	-	-
Sodium	mg/L	-	-	85	-	-
Thallium	mg/L	-	-	ND (0.002)	-	-
Vanadium	mg/L	-	-	ND (0.02)	-	-
Zinc	mg/L	-	-	0.025	-	-
General Chemistry						
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	-
Carbonate Alkalinity	mg/L	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-
Cyanide (total)	mg/L	-	-	ND (0.01)	-	-
Hardness	mg/L	-	-	-	-	-
Nitrate (as N)	mg/L	-	-	-	-	-
Nitrite (as N)	mg/L	-	-	-	-	-
Oil and Grease	mg/L	-	-	-	-	-
Orthophosphate	mg/L	-	-	-	-	-
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	-	-
Total Dissolved Solids (TDS)	mg/L	-	-	-	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW 2-00***	***SW 2-00***	***SW-2-98***	***SW 3-00***	***SW 3-00***
Sample ID:		***W-12609-041700-DRD-C(FILTERED)***	***W-12609-041700-DRD-C***	***SW-10236-030498-MP-003***	***W-12609-041700-DRD-D(FILTERED)***	***W-12609-041700-DRD-D***
Sample Date:		***4/17/2000***	***4/17/2000***	***3/4/1998***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	-	-	ND (1)	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (1)	-	-
1,1,2-Trichloroethane	ug/L	-	-	ND (1)	-	-
1,1-Dichloroethane	ug/L	-	-	ND (1)	-	-
1,1-Dichloroethene	ug/L	-	-	ND (1)	-	-
1,2-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
1,2-Dichloroethane	ug/L	-	-	ND (1)	-	-
1,2-Dichloroethene (total)	ug/L	-	-	ND (1)	-	-
1,2-Dichloropropane	ug/L	-	-	ND (1)	-	-
1,3-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
1,4-Dichlorobenzene	ug/L	-	-	ND (1)	-	-
2-Butanone	ug/L	-	-	ND (50)	-	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Hexanone	ug/L	-	-	ND (50)	-	-
4-Methyl-2-pentanone	ug/L	-	-	ND (50)	-	-
Acetone	ug/L	-	-	ND (100)	-	-
Benzene	ug/L	-	-	ND (5)	-	-
Bromodichloromethane	ug/L	-	-	ND (1)	-	-
Bromoform	ug/L	-	-	ND (1)	-	-
Bromomethane	ug/L	-	-	ND (1)	-	-
Carbon disulfide	ug/L	-	-	ND (50)	-	-
Carbon tetrachloride	ug/L	-	-	ND (1)	-	-
Chlorobenzene	ug/L	-	-	ND (1)	-	-
Chloroethane	ug/L	-	-	ND (1)	-	-
Chloroform	ug/L	-	-	ND (1)	-	-
Chloromethane	ug/L	-	-	ND (1)	-	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (1)	-	-
Dibromochloromethane	ug/L	-	-	ND (1)	-	-
Ethylbenzene	ug/L	-	-	ND (1)	-	-
Methylene chloride	ug/L	-	-	ND (5)	-	-
Styrene	ug/L	-	-	ND (1)	-	-
Tetrachloroethene	ug/L	-	-	ND (1)	-	-
Toluene	ug/L	-	-	ND (1)	-	-
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (1)	-	-
Trichloroethene	ug/L	-	-	ND (1)	-	-
Vinyl acetate	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	-	-	ND (1)	-	-
Xylene (total)	ug/L	-	-	ND (3)	-	-
PCBs						
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (0.4)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (0.2)	ND (1.0)	ND (1.0)

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW 2-00***	***SW 2-00***	***SW-2-98***	***SW 3-00***	***SW 3-00***
Sample ID:		***W-12609-041700-DRD-C(FILTERED)***	***W-12609-041700-DRD-C***	***SW-10236-030498-MP-003***	***W-12609-041700-DRD-D(FILTERED)***	***W-12609-041700-DRD-D***
Sample Date:		***4/17/2000***	***4/17/2000***	***3/4/1998***	***4/17/2000***	***4/17/2000***
Parameter	***Unit***					
Metals						
Aluminum	mg/L	-	-	0.21 J	-	-
Antimony	mg/L	-	-	ND (0.005)	-	-
Arsenic	mg/L	-	-	ND (0.005)	-	-
Barium	mg/L	-	-	ND (0.2)	-	-
Beryllium	mg/L	-	-	ND (0.001)	-	-
Cadmium	mg/L	-	-	ND (0.0005)	-	-
Calcium	mg/L	-	-	95	-	-
Chromium	mg/L	-	-	ND (0.05)	-	-
Cobalt	mg/L	-	-	ND (0.01)	-	-
Copper	mg/L	-	-	ND (0.025)	-	-
Iron	mg/L	-	-	0.27	-	-
Lead	mg/L	-	-	ND (0.003)	-	-
Magnesium	mg/L	-	-	26	-	-
Manganese	mg/L	-	-	ND (0.02)	-	-
Mercury	mg/L	-	-	ND (0.0002)	-	-
Nickel	mg/L	-	-	ND (0.05)	-	-
Potassium	mg/L	-	-	1.4	-	-
Selenium	mg/L	-	-	ND (0.005)	-	-
Silver	mg/L	-	-	ND (0.0005)	-	-
Sodium	mg/L	-	-	7.8	-	-
Thallium	mg/L	-	-	ND (0.002)	-	-
Vanadium	mg/L	-	-	ND (0.02)	-	-
Zinc	mg/L	-	-	ND (0.02)	-	-
General Chemistry						
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-	-
Carbonate Alkalinity	mg/L	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-
Cyanide (total)	mg/L	-	-	ND (0.01)	-	-
Hardness	mg/L	-	-	-	-	-
Nitrate (as N)	mg/L	-	-	-	-	-
Nitrite (as N)	mg/L	-	-	-	-	-
Oil and Grease	mg/L	-	-	-	-	-
Orthophosphate	mg/L	-	-	-	-	-
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	-	-	-
Total Dissolved Solids (TDS)	mg/L	-	-	-	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		*SW-3-98*	*SW-4-98*	*SW-4-99*	*SW-4-99*	*SW-5-98*
Sample ID:		*SW-10236-030498-MP-002*	*SW-10236-030598-MP-013*	*W-12609-090799-DN-02*	*W-12609-090799-DN-02*	*SW-10236-030498-MP-004*
Sample Date:		*3/4/1998*	*3/5/1998*	*9/7/1999*	*9/7/1999*	*3/4/1998*
					Duplicate	
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,1-Dichloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,1-Dichloroethene	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,2-Dichlorobenzene	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,2-Dichloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,2-Dichloroethene (total)	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,2-Dichloropropane	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,3-Dichlorobenzene	ug/L	ND (1)	ND (1)	-	-	ND (1)
1,4-Dichlorobenzene	ug/L	ND (1)	ND (1)	-	-	ND (1)
2-Butanone	ug/L	ND (50)	ND (50)	-	-	ND (50)
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Hexanone	ug/L	ND (50)	ND (50)	-	-	ND (50)
4-Methyl-2-pentanone	ug/L	ND (50)	ND (50)	-	-	ND (50)
Acetone	ug/L	ND (100)	ND (100)	-	-	ND (100)
Benzene	ug/L	ND (5)	ND (5)	-	-	ND (5)
Bromodichloromethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
Bromoform	ug/L	ND (1)	ND (1)	-	-	ND (1)
Bromomethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
Carbon disulfide	ug/L	ND (50)	ND (50)	-	-	ND (50)
Carbon tetrachloride	ug/L	ND (1)	ND (1)	-	-	ND (1)
Chlorobenzene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Chloroethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
Chloroform	ug/L	ND (1)	ND (1)	-	-	ND (1)
Chloromethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Dibromochloromethane	ug/L	ND (1)	ND (1)	-	-	ND (1)
Ethylbenzene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Methylene chloride	ug/L	ND (5)	ND (5)	-	-	ND (5)
Styrene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Tetrachloroethene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Toluene	ug/L	ND (1)	ND (1)	-	-	ND (1)
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Trichloroethene	ug/L	ND (1)	ND (1)	-	-	ND (1)
Vinyl acetate	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	ND (1)	ND (1)	-	-	ND (1)
Xylene (total)	ug/L	ND (3)	ND (3)	-	-	ND (3)
PCBs						
Aroclor-1016	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Aroclor-1221	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Aroclor-1232	ug/L	ND (0.4)	ND (0.4)	-	-	ND (0.4)
Aroclor-1242	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Aroclor-1248	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Aroclor-1254	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Aroclor-1260	ug/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		*SW-3-98*	*SW-4-98*	*SW-4-99*	*SW-4-99*	*SW-5-98*
Sample ID:		*SW-10236-030498-MP-002*	*SW-10236-030598-MP-013*	*W-12609-090799-DN-02*	*W-12609-090799-DN-02*	*SW-10236-030498-MP-004*
Sample Date:		*3/4/1998*	*3/5/1998*	*9/7/1999*	*9/7/1999*	*3/4/1998*
					Duplicate	
Parameter	***Unit***					
Metals						
Aluminum	mg/L	ND (0.1) UJ	1.1 J	-	-	0.11 J
Antimony	mg/L	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Arsenic	mg/L	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Barium	mg/L	ND (0.2)	ND (0.2)	-	-	ND (0.2)
Beryllium	mg/L	ND (0.001)	ND (0.001)	-	-	ND (0.001)
Cadmium	mg/L	ND (0.0005)	0.0007	-	-	ND (0.0005)
Calcium	mg/L	100	110	-	-	100
Chromium	mg/L	ND (0.05)	ND (0.05)	-	-	ND (0.05)
Cobalt	mg/L	ND (0.01)	ND (0.01)	-	-	ND (0.01)
Copper	mg/L	ND (0.025)	ND (0.025)	-	-	ND (0.025)
Iron	mg/L	ND (0.1)	2.9	-	-	0.4
Lead	mg/L	ND (0.003)	0.036	-	-	ND (0.003)
Magnesium	mg/L	27	32	-	-	21
Manganese	mg/L	0.14	0.24	-	-	0.1
Mercury	mg/L	ND (0.0002)	ND (0.0002)	-	-	ND (0.0002)
Nickel	mg/L	ND (0.05)	ND (0.05)	-	-	ND (0.05)
Potassium	mg/L	1.4	4.6	ND (5.0)	-	2.4
Selenium	mg/L	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Silver	mg/L	ND (0.0005)	ND (0.0005)	-	-	ND (0.0005)
Sodium	mg/L	12	10	24.4	-	72
Thallium	mg/L	ND (0.002)	ND (0.002)	-	-	ND (0.002)
Vanadium	mg/L	ND (0.02)	ND (0.02)	-	-	ND (0.02)
Zinc	mg/L	0.024	0.099	-	-	ND (0.02)
General Chemistry						
Ammonia	mg/L	-	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	ND (2)	ND (2/2)	-
Carbonate Alkalinity	mg/L	-	-	ND (5)	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	23	23/31	-
Chloride	mg/L	-	-	37.1	-	-
Cyanide (total)	mg/L	ND (0.01)	ND (0.01)	-	-	ND (0.01)
Hardness	mg/L	-	-	134	-	-
Nitrate (as N)	mg/L	-	-	0.78	-	-
Nitrite (as N)	mg/L	-	-	ND (0.5)	-	-
Oil and Grease	mg/L	-	-	-	-	-
Orthophosphate	mg/L	-	-	ND (0.5)	-	-
Phosphorus	mg/L	-	-	-	-	-
Sulfate	mg/L	-	-	49.6	-	-
Total Dissolved Solids (TDS)	mg/L	-	-	240	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	5.0	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-5-98***	***SW-5-99***	***SW-5-99***	***SW-6-98***	***SW-6-99***
Sample ID:		***SW-10236-030498-MP-005***	***W-12609-090799-DN-01***	***W-12609-090799-DN-01***	***SW-10236-030498-MP-001***	***POND INFLUENT #3***
Sample Date:		***3/4/1998***	***9/7/1999***	***9/7/1999***	***3/4/1998***	***8/13/1999***
		Duplicate		***Duplicate***		
Parameter	***Unit***					
Volatiles						
1,1,1-Trichloroethane	ug/L	ND (1)	-	-	ND (1)	-
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	-	-	ND (1)	-
1,1,2-Trichloroethane	ug/L	ND (1)	-	-	ND (1)	-
1,1-Dichloroethane	ug/L	ND (1)	-	-	ND (1)	-
1,1-Dichloroethene	ug/L	ND (1)	-	-	ND (1)	-
1,2-Dichlorobenzene	ug/L	ND (1)	-	-	ND (1)	-
1,2-Dichloroethane	ug/L	ND (1)	-	-	ND (1)	-
1,2-Dichloroethene (total)	ug/L	ND (1)	-	-	ND (1)	-
1,2-Dichloropropane	ug/L	ND (1)	-	-	ND (1)	-
1,3-Dichlorobenzene	ug/L	ND (1)	-	-	ND (1)	-
1,4-Dichlorobenzene	ug/L	ND (1)	-	-	ND (1)	-
2-Butanone	ug/L	ND (50)	-	-	ND (50)	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Hexanone	ug/L	ND (50)	-	-	ND (50)	-
4-Methyl-2-pentanone	ug/L	ND (50)	-	-	ND (50)	-
Acetone	ug/L	ND (100)	-	-	ND (100)	-
Benzene	ug/L	ND (5)	-	-	ND (5)	-
Bromodichloromethane	ug/L	ND (1)	-	-	ND (1)	-
Bromoform	ug/L	ND (1)	-	-	ND (1)	-
Bromomethane	ug/L	ND (1)	-	-	ND (1)	-
Carbon disulfide	ug/L	ND (50)	-	-	ND (50)	-
Carbon tetrachloride	ug/L	ND (1)	-	-	ND (1)	-
Chlorobenzene	ug/L	ND (1)	-	-	ND (1)	-
Chloroethane	ug/L	ND (1)	-	-	ND (1)	-
Chloroform	ug/L	ND (1)	-	-	ND (1)	-
Chloromethane	ug/L	ND (1)	-	-	ND (1)	-
cis-1,3-Dichloropropene	ug/L	ND (1)	-	-	ND (1)	-
Dibromochloromethane	ug/L	ND (1)	-	-	ND (1)	-
Ethylbenzene	ug/L	ND (1)	-	-	ND (1)	-
Methylene chloride	ug/L	ND (5)	-	-	ND (5)	-
Styrene	ug/L	ND (1)	-	-	ND (1)	-
Tetrachloroethene	ug/L	ND (1)	-	-	ND (1)	-
Toluene	ug/L	ND (1)	-	-	ND (1)	-
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	ND (1)	-	-	ND (1)	-
Trichloroethene	ug/L	ND (1)	-	-	ND (1)	-
Vinyl acetate	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	ND (1)	-	-	ND (1)	-
Xylene (total)	ug/L	ND (3)	-	-	ND (3)	-
PCBs						
Aroclor-1016	ug/L	ND (0.2)	-	-	ND (0.2)	-
Aroclor-1221	ug/L	ND (0.2)	-	-	ND (0.2)	-
Aroclor-1232	ug/L	ND (0.4)	-	-	ND (0.4)	-
Aroclor-1242	ug/L	ND (0.2)	-	-	ND (0.2)	-
Aroclor-1248	ug/L	ND (0.2)	-	-	ND (0.2)	-
Aroclor-1254	ug/L	ND (0.2)	-	-	ND (0.2)	-
Aroclor-1260	ug/L	ND (0.2)	-	-	ND (0.2)	-

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-5-98***	***SW-5-99***	***SW-5-99***	***SW-6-98***	***SW-6-99***
Sample ID:		***SW-10236-030498-MP-005***	***W-12609-090799-DN-01***	***W-12609-090799-DN-01***	***SW-10236-030498-MP-001***	***POND INFLUENT #3***
Sample Date:		***3/4/1998***	***9/7/1999***	***9/7/1999***	***3/4/1998***	***8/13/1999***
		Duplicate		***Duplicate***		
Parameter	***Unit***					
Metals						
Aluminum	mg/L	ND (0.1) UJ	-	-	ND (0.1) UJ	-
Antimony	mg/L	ND (0.005)	-	-	ND (0.005)	-
Arsenic	mg/L	ND (0.005)	-	-	ND (0.005)	-
Barium	mg/L	ND (0.2)	-	-	ND (0.2)	-
Beryllium	mg/L	ND (0.001)	-	-	ND (0.001)	-
Cadmium	mg/L	ND (0.0005)	-	-	ND (0.0005)	-
Calcium	mg/L	97	-	-	99	42.1
Chromium	mg/L	ND (0.05)	-	-	ND (0.05)	-
Cobalt	mg/L	ND (0.01)	-	-	ND (0.01)	-
Copper	mg/L	ND (0.025)	-	-	ND (0.025)	-
Iron	mg/L	0.37	-	-	0.46	0.47
Lead	mg/L	ND (0.003)	-	-	ND (0.003)	-
Magnesium	mg/L	20	-	-	20	7.5
Manganese	mg/L	0.097	-	-	0.1	0.29
Mercury	mg/L	ND (0.0002)	-	-	ND (0.0002)	-
Nickel	mg/L	ND (0.05)	-	-	ND (0.05)	-
Potassium	mg/L	2.4	ND (5.0)	-	2.4	-
Selenium	mg/L	ND (0.005)	-	-	ND (0.005)	-
Silver	mg/L	ND (0.0005)	-	-	0.00065	-
Sodium	mg/L	69	24.7	-	71	-
Thallium	mg/L	ND (0.002)	-	-	ND (0.002)	-
Vanadium	mg/L	ND (0.02)	-	-	ND (0.02)	-
Zinc	mg/L	ND (0.02)	-	-	0.033	0.059
General Chemistry						
Ammonia	mg/L	-	-	-	-	0.5
Biochemical Oxygen Demand (BOD)	mg/L	-	ND (2)	ND (2/2)	-	8
Carbonate Alkalinity	mg/L	-	ND (5)	-	-	ND (5)
Chemical Oxygen Demand (COD)	mg/L	-	28	28/31	-	39
Chloride	mg/L	-	38.4	-	-	-
Cyanide (total)	mg/L	ND (0.01)	-	-	ND (0.01)	-
Hardness	mg/L	-	138	-	-	110
Nitrate (as N)	mg/L	-	0.67	-	-	ND (0.5)
Nitrite (as N)	mg/L	-	ND (0.5)	-	-	ND (0.5)
Oil and Grease	mg/L	-	-	-	-	ND (5.2)
Orthophosphate	mg/L	-	ND (0.5)	-	-	ND (0.5)
Phosphorus	mg/L	-	-	-	-	0.7
Sulfate	mg/L	-	52.8	-	-	-
Total Dissolved Solids (TDS)	mg/L	-	250	-	-	240
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-	2
Total Suspended Solids (TSS)	mg/L	-	ND (4.0)	-	-	5
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	1.1

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-7-98***	***SW-8-98***	***SW-9-98***	***SW-10-98***
Sample ID:		***SW-10236-030498-MP-006***	***SW-10236-030598-MP-012***	***SW-10236-030498-MP-007***	***SW-10236-030598-MP-011***
Sample Date:		***3/4/1998***	***3/5/1998***	***3/4/1998***	***3/5/1998***
Parameter	***Unit***				
Volatiles					
1,1,1-Trichloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,2-Dichlorobenzene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,2-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,2-Dichloroethene (total)	ug/L	ND (1)	ND (1)	ND (1)	3.2
1,2-Dichloropropane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,3-Dichlorobenzene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
1,4-Dichlorobenzene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
2-Butanone	ug/L	ND (50)	ND (50)	ND (50)	ND (50)
2-Chloroethyl vinyl ether	ug/L	-	-	-	-
2-Hexanone	ug/L	ND (50)	ND (50)	ND (50)	ND (50)
4-Methyl-2-pentanone	ug/L	ND (50)	ND (50)	ND (50)	ND (50)
Acetone	ug/L	ND (100)	ND (100)	ND (100)	ND (100)
Benzene	ug/L	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Bromoform	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Bromomethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Carbon disulfide	ug/L	ND (50)	ND (50)	ND (50)	ND (50)
Carbon tetrachloride	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Chlorobenzene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Chloroethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Chloroform	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Chloromethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Dibromochloromethane	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Methylene chloride	ug/L	ND (5)	ND (5)	ND (5)	ND (5)
Styrene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Tetrachloroethene	ug/L	ND (1)	ND (1)	ND (1)	1.3
Toluene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
trans-1,2-Dichloroethene	ug/L	-	-	-	-
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Trichloroethene	ug/L	ND (1)	ND (1)	ND (1)	1.1
Vinyl acetate	ug/L	-	-	-	-
Vinyl chloride	ug/L	ND (1)	ND (1)	ND (1)	ND (1)
Xylene (total)	ug/L	ND (3)	ND (3)	ND (3)	ND (3)
PCBs					
Aroclor-1016	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1232	ug/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1242	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	ug/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)

TABLE C.9.2

SUMMARY OF ANALYTICAL RESULTS
SILVER CREEK AND TRIBUTARY DITCHES
SURFACE WATER SAMPLES
TOLEDO, OHIO

Location:		***SW-7-98***	***SW-8-98***	***SW-9-98***	***SW-10-98***
Sample ID:		***SW-10236-030498-MP-006***	***SW-10236-030598-MP-012***	***SW-10236-030498-MP-007***	***SW-10236-030598-MP-011***
Sample Date:		***3/4/1998***	***3/5/1998***	***3/4/1998***	***3/5/1998***
Parameter	***Unit***				
Metals					
Aluminum	mg/L	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ
Antimony	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Arsenic	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Barium	mg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Beryllium	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cadmium	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Calcium	mg/L	92	110	100	100
Chromium	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Cobalt	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Copper	mg/L	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Iron	mg/L	0.33	0.28	0.3	0.29
Lead	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	0.0032
Magnesium	mg/L	21	21	21	21
Manganese	mg/L	0.09	0.092	0.097	0.14
Mercury	mg/L	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Nickel	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Potassium	mg/L	2.4	2.5	2.5	2.6
Selenium	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Silver	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Sodium	mg/L	72	67	76	110
Thallium	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Vanadium	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Zinc	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	0.043
General Chemistry					
Ammonia	mg/L	-	-	-	-
Biochemical Oxygen Demand (BOD)	mg/L	-	-	-	-
Carbonate Alkalinity	mg/L	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-
Chloride	mg/L	-	-	-	-
Cyanide (total)	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Hardness	mg/L	-	-	-	-
Nitrate (as N)	mg/L	-	-	-	-
Nitrite (as N)	mg/L	-	-	-	-
Oil and Grease	mg/L	-	-	-	-
Orthophosphate	mg/L	-	-	-	-
Phosphorus	mg/L	-	-	-	-
Sulfate	mg/L	-	-	-	-
Total Dissolved Solids (TDS)	mg/L	-	-	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	-	-
Total Suspended Solids (TSS)	mg/L	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-

Notes:
U - Non-detect at associated.
J - Estimated.
- Not analyzed.

SECTION 10

AST AREA

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Sample ID:		*AST-MW-5*	*AST-MW-5*	*AST-MW-6*	*AST-MW-6*	*BH-149-99*	*BH-149-99*	*GP-1*	*GP-2*	*GP-3*	*GP-4*
Sample Depth:		*MW5(2-4')*	*MW5(8-10')*	*MW6(2-4')*	*MW6(8-10')*	*S-12609-081799-DN-06*	*S-12609-081799-DN-07*	*GP-1 5-7'*	*GP-2 7-9'*	*GP-3 5-7'*	*GP-4 7-9'*
Sample Date:		*(2-4)*	*(8-10)*	*(2-4)*	*(8-10)*	*(6-7)*	*(10-11)*	*(5-7)*	*(7-9)*	*(5-7)*	*(7-9)*
		8/27/1997	*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/17/1999*	*8/17/1999*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*
Parameter	***Unit***										
Volatiles											
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane	ug/Kg	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*AST-MW-5*	*AST-MW-5*	*AST-MW-6*	*AST-MW-6*	*BH-149-99*	*BH-149-99*	*GP-1*	*GP-2*	*GP-3*	*GP-4*
Sample ID:		*MW5(2-4')*	*MW5(8-10')*	*MW6(2-4')*	*MW6(8-10')*	*S-12609-081799-DN-06*	*S-12609-081799-DN-07*	*GP-1 5-7'*	*GP-2 7-9'*	*GP-3 5-7'*	*GP-4 7-9'*
Sample Depth:		*(2-4)*	*(8-10)*	*(2-4)*	*(8-10)*	*(6-7)*	*(10-11)*	*(5-7)*	*(7-9)*	*(5-7)*	*(7-9)*
Sample Date:		*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/17/1999*	*8/17/1999*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*
Parameter	***Unit***										
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Cymene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles											
1-Methyl naphthalene	ug/Kg	-	-	-	-	ND (400)	ND (410)	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	ND (400)	ND (410)	-	-	-	-
Acenaphthene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	ND (400)	ND (410)	-	-	-	-
Acenaphthylene	ug/Kg	ND (67)	ND (67)	ND (67)	ND (67)	ND (400)	ND (410)	-	-	-	-
Anthracene	ug/Kg	ND (22)	ND (22)	ND (22)	ND (22)	ND (400)	ND (410)	-	-	-	-
Benzo(a)anthracene	ug/Kg	ND (4.3)	ND (4.0)	ND (4.3)	ND (4.3)	ND (400)	ND (410)	-	-	-	-
Benzo(a)pyrene	ug/Kg	ND (3)	ND (3)	ND (3)	ND (3)	ND (400)	ND (410)	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (400)	ND (410)	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	ND (25)	ND (25)	ND (25)	ND (25)	ND (400)	ND (410)	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	ND (6)	ND (6)	ND (6)	ND (6)	ND (400)	ND (410)	-	-	-	-
Chrysene	ug/Kg	ND (5)	ND (5)	ND (5)	ND (5)	ND (400)	ND (410)	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (400)	ND (410)	-	-	-	-
Fluoranthene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (400)	ND (410)	-	-	-	-
Fluorene	ug/Kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (400)	ND (410)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (14)	ND (14)	ND (14)	ND (14)	ND (400)	ND (410)	-	-	-	-
Naphthalene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	ND (400)	ND (410)	-	-	-	-
Phenanthrene	ug/Kg	ND (21)	ND (21)	ND (21)	ND (21)	ND (400)	ND (410)	-	-	-	-
Pyrene	ug/Kg	ND (9)	ND (9)	ND (9)	ND (9)	ND (400)	ND (410)	-	-	-	-
PCBs											
Aroclor-1016	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	ND (40)	ND (41)	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*AST-MW-5*	*AST-MW-5*	*AST-MW-6*	*AST-MW-6*	*BH-149-99*	*BH-149-99*	*GP-1*	*GP-2*	*GP-3*	*GP-4*
Sample ID:		*MW5(2-4')*	*MW5(8-10')*	*MW6(2-4')*	*MW6(8-10')*	*S-12609-081799-DN-06*	*S-12609-081799-DN-07*	*GP-1 5-7'*	*GP-2 7-9'*	*GP-3 5-7'*	*GP-4 7-9'*
Sample Depth:		*(2-4)*	*(8-10)*	*(2-4)*	*(8-10)*	*(6-7)*	*(10-11)*	*(5-7)*	*(7-9)*	*(5-7)*	*(7-9)*
Sample Date:		*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/27/1997*	*8/17/1999*	*8/17/1999*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*
Parameter	***Unit***										
Metals											
Arsenic	mg/Kg	-	-	-	-	-	-	1.75	2.65	ND (0.97)	2.79
Barium	mg/Kg	-	-	-	-	-	-	47.6	70.9	19.5	88.4
Cadmium	mg/Kg	-	-	-	-	-	-	ND (0.97)	ND (1.02)	ND (0.97)	ND (1.00)
Chromium	mg/Kg	-	-	-	-	-	-	8.93	15.9	8.49	16.6
Copper	mg/Kg	-	-	-	-	-	-	5.63	12.6	3.86	13.6
Iron	mg/Kg	-	-	-	-	-	-	8330	15600	5120	18400
Lead	mg/Kg	-	-	-	-	-	-	4.85	7.54	7.53	8.18
Mercury	mg/Kg	-	-	-	-	-	-	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Selenium	mg/Kg	-	-	-	-	-	-	ND (0.97)	ND (1.02)	ND (0.97)	ND (1.00)
Silver	mg/Kg	-	-	-	-	-	-	ND (0.97)	ND (1.02)	ND (0.97)	ND (1.00)
Zinc	mg/Kg	-	-	-	-	-	-	48.2	54.8	20.7	54.7
General Chemistry											
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10.0)	85.3	ND (10.0)	ND (10.0)	14 J	12 J	25.2	ND (10.0)	46.0	ND (10.0)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*GP-5*	*GP-6*	*GP-7*	*GP-8*	*GP-9*	*GP-10*	*GP-11*	*GP-12*	*GP-13*	*GP-14*	*GP-15*	*GP-16*
Sample ID:		*GP-5 5-6'*	*GP-6 5-7'*	*GP-7 6'*	*GP-8 6'*	*GP-9 2-5'*	*GP-10 6'*	*GP-11 5- 6'*	*GP-12 5-7'*	*GP-13 5-7'*	*GP-14 5-7'*	*GP-15 5-7'*	*GP-16 5-7'*
Sample Depth:		*(5-6)*	*(5-7)*			*(2-5)*	*(5-6)*	*(5-6)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*
Sample Date:		*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*
Parameter	***Unit***												
Volatiles													
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,1,2-Trichloroethane	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,1-Dichloroethane	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,1-Dichloroethene	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,2-Dichloroethene (total)	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,2-Dichloropropane	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	ND (50.0)	-	300.0	-	-	-	-	-	ND (10.0)	ND (25.0)
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	ND (50.0)	-	330.0	-	-	-	-	-	ND (10.0)	ND (50.0)
2-Phenylbutane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	ND (50.0)	230.0	230.0	-	-	-	-	-	ND (10.0)	ND (50.0)
Acetone	ug/Kg	-	-	185.0	-	8200	-	-	-	-	-	43.0	ND (50.0)
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Bromobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Bromoform	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (50.0)
Bromomethane	ug/Kg	-	-	ND (50.0)	-	ND (50.0)	-	-	-	-	-	ND (10.0)	ND (25.0)
Carbon disulfide	ug/Kg	-	-	ND (25.0)	-	40.0	-	-	-	-	-	ND (5.0)	ND (25.0)
Carbon tetrachloride	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Chlorobenzene	ug/Kg	-	-	1185	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Chlorobromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	ND (50.0)	-	ND (50.0)	-	-	-	-	-	ND (10.0)	ND (50.0)
Chloroform	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Chloromethane	ug/Kg	-	-	ND (50.0)	-	ND (50.0)	-	-	-	-	-	ND (10.0)	ND (50.0)

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*GP-5*	*GP-6*	*GP-7*	*GP-8*	*GP-9*	*GP-10*	*GP-11*	*GP-12*	*GP-13*	*GP-14*	*GP-15*	*GP-16*
Sample ID:		*GP-5 5-6'*	*GP-6 5-7'*	*GP-7 6'*	*GP-8 6'*	*GP-9 2-5'*	*GP-10 6'*	*GP-11 5- 6'*	*GP-12 5-7'*	*GP-13 5-7'*	*GP-14 5-7'*	*GP-15 5-7'*	*GP-16 5-7'*
Sample Depth:		*(5-6)*	*(5-7)*			*(2-5)*	*(5-6)*	*(5-6)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*
Sample Date:		*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/6/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*
Parameter	***Unit***												
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Cymene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Dibromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	125.0	-	35.0	-	-	-	-	-	ND (5.0)	ND (25.0)
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Tetrachloroethene	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Toluene	ug/Kg	-	-	200.0	1445	115.0	-	-	-	-	-	ND (5.0)	ND (25.0)
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	ND (25.0)	-	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Trichloroethene	ug/Kg	-	-	ND (25.0)	ND (25.0)	ND (25.0)	-	-	-	-	-	ND (5.0)	ND (25.0)
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	ND (50.0)	ND (50.0)	ND (50.0)	-	-	-	-	-	ND (10.0)	ND (50.0)
Xylene (total)	ug/Kg	-	-	550.0	1165	180.0	-	-	-	-	-	ND (5.0)	ND (25.0)
Semi-Volatiles													
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-	-	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***GP-5***	***GP-6***	***GP-7***	***GP-8***	***GP-9***	***GP-10***	***GP-11***	***GP-12***	***GP-13***	***GP-14***	***GP-15***	***GP-16***
Sample ID:		***GP-5 5-6'***	***GP-6 5-7'***	***GP-7 6'***	***GP-8 6'***	***GP-9 2-5'***	***GP-10 6'***	***GP-11 5- 6'***	***GP-12 5-7'***	***GP-13 5-7'***	***GP-14 5-7'***	***GP-15 5-7'***	***GP-16 5-7'***
Sample Depth:		***(5-6)***	***(5-7)***			***(2-5)***	***(5-6)***	***(5-6)***	***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***
Sample Date:		***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/6/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***
Parameter	***Unit***												
Metals													
Arsenic	mg/Kg	ND (0.99)	1.58	ND (0.97)	ND (0.96)	ND (1.02)	1.73	ND (0.97)	1.55	ND (1.00)	3.05	ND (0.99)	ND (0.98)
Barium	mg/Kg	12.3	13.2	43.4	34.9	27.6	26.4	8.32	6.78	9.44	19.6	8.75	15.4
Cadmium	mg/Kg	ND (0.99)	ND (0.99)	ND (0.97)	ND (0.96)	ND (1.02)	ND (0.96)	ND (0.97)	ND (0.97)	ND (1.00)	ND (0.95)	ND (0.99)	ND (0.98)
Chromium	mg/Kg	4.37	3.94	4.67	3.65	3.46	8.67	2.71	3.10	2.41	5.71	3.18	3.74
Copper	mg/Kg	4.17	2.37	2.92	2.11	2.64	4.62	1.93	1.36	1.81	3.81	1.99	2.17
Iron	mg/Kg	4060	3630	2880	2730	2170	7400	464	3720	438	5330	2330	4040
Lead	mg/Kg	2.58	1.97	4.86	1.54	1.83	2.89	ND (0.97)	1.16	1.41	3.05	2.98	1.57
Mercury	mg/Kg	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	0.24	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Selenium	mg/Kg	ND (0.99)	ND (0.99)	ND (0.97)	ND (0.96)	ND (1.02)	ND (0.96)	ND (0.97)	ND (0.97)	ND (1.00)	ND (0.95)	ND (0.99)	ND (0.98)
Silver	mg/Kg	ND (0.99)	ND (0.99)	ND (0.97)	ND (0.96)	ND (1.02)	ND (0.96)	ND (0.97)	ND (0.97)	ND (1.00)	ND (0.95)	ND (0.99)	ND (0.98)
Zinc	mg/Kg	13.5	ND (9.86)	25.1	14.8	ND (10.2)	20.6	ND (9.67)	ND (9.69)	ND (10.0)	15.8	30.6	27.6
General Chemistry													
Total Recoverable Petroleum Hydrocarbons	mg/Kg	73.4	27100	56700	-	35700	4900	56300	32900	42700	ND (10.0)	17.8	13200

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*GP-17*	*GP-18*	*GP-19*	*GP-20*	*GP-21*	*GP-22*	*GP-23*	*GP-24*	*GP-25*	*GP-26*	*GP-27*
Sample ID:		*GP-17 5-7'*	*GP-18 5-7'*	*GP-19 5-7'*	*GP-20 5-7'*	*GP-21 5-7'*	*GP-22 3-5'*	*GP-23 3-5'*	*GP-24 (5-7')*	*GP-25 (7-9')*	*GP-26 (7-9')*	*GP-27 (3-5')*
Sample Depth:		*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(5-7)*	*(3-5)*	*(3-5)*	*(5-7)*	*(7-9)*	*(7-9)*	*(3-5)*
Sample Date:		*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/7/1997*
Parameter	***Unit***											
Volatiles												
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
2-Phenylbutane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
Acetone	ug/Kg	ND (10.0)	-	-	-	46.0	-	-	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Bromobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Bromoform	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Bromomethane	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
Carbon disulfide	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Chlorobenzene	ug/Kg	20.0	-	-	-	ND (5.0)	-	-	-	-	-	-
Chlorobromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
Chloroform	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Chloromethane	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***GP-17***	***GP-18***	***GP-19***	***GP-20***	***GP-21***	***GP-22***	***GP-23***	***GP-24***	***GP-25***	***GP-26***	***GP-27***
Sample ID:		***GP-17 5-7'***	***GP-18 5-7'***	***GP-19 5-7'***	***GP-20 5-7'***	***GP-21 5-7'***	***GP-22 3-5'***	***GP-23 3-5'***	***GP-24 (5-7')***	***GP-25 (7-9')***	***GP-26 (7-9')***	***GP-27 (3-5')***
Sample Depth:		***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***	***(3-5)***	***(3-5)***	***(5-7)***	***(7-9)***	***(7-9)***	***(3-5)***
Sample Date:		***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***
Parameter	***Unit***											
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Cymene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Dibromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	90.0	-	-	-	8.0	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Toluene	ug/Kg	7.0	-	-	-	6.0	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Trichloroethene	ug/Kg	ND (5.0)	-	-	-	ND (5.0)	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (10.0)	-	-	-	ND (10.0)	-	-	-	-	-	-
Xylene (total)	ug/Kg	237.0	-	-	-	22.0	-	-	-	-	-	-
Semi-Volatiles												
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
PCBs												
Aroclor-1016	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-	-	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***GP-17***	***GP-18***	***GP-19***	***GP-20***	***GP-21***	***GP-22***	***GP-23***	***GP-24***	***GP-25***	***GP-26***	***GP-27***
Sample ID:		***GP-17 5-7'***	***GP-18 5-7'***	***GP-19 5-7'***	***GP-20 5-7'***	***GP-21 5-7'***	***GP-22 3-5'***	***GP-23 3-5'***	***GP-24 (5-7')***	***GP-25 (7-9')***	***GP-26 (7-9')***	***GP-27 (3-5')***
Sample Depth:		***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***	***(5-7)***	***(3-5)***	***(3-5)***	***(5-7)***	***(7-9)***	***(7-9)***	***(3-5)***
Sample Date:		***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***	***5/7/1997***
Parameter	***Unit***											
Metals												
Arsenic	mg/Kg	ND (0.98)	2.37	1.75	2.35	1.82	ND (0.98)	ND (1.00)	2.84	ND (1.01)	1.81	ND (1.02)
Barium	mg/Kg	16.1	47.2	13.1	19.4	68.5	7.44	7.39	11.6	15.3	26.9	7.96
Cadmium	mg/Kg	ND (0.98)	ND (0.99)	ND (0.97)	ND (0.98)	ND (1.01)	ND (0.98)	ND (1.00)	ND (1.01)	ND (1.01)	ND (1)	ND (1.02)
Chromium	mg/Kg	3.74	16.8	8.58	21.5	5.45	3.33	3.39	4.46	4.43	7.23	3.47
Copper	mg/Kg	1.97	8.70	3.90	6.85	28.9	1.76	1.60	4.87	2.82	5.02	1.84
Iron	mg/Kg	2600	11600	4420	6420	6380	2700	2830	5660	3660	6710	3020
Lead	mg/Kg	ND (0.98)	5.34	2.53	2.74	17.2	ND (0.98)	ND (1.00)	3.85	2.21	3.61	ND (1.02)
Mercury	mg/Kg	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.1)	ND (0.10)
Selenium	mg/Kg	ND (0.98)	ND (0.99)	ND (0.97)	ND (0.98)	ND (1.01)	ND (0.98)	ND (1.00)	ND (1.01)	ND (1.01)	ND (1)	ND (1.02)
Silver	mg/Kg	ND (0.98)	ND (0.99)	ND (0.97)	ND (0.98)	ND (1.01)	ND (0.98)	ND (1.00)	ND (1.01)	ND (1.01)	ND (1)	ND (1.02)
Zinc	mg/Kg	ND (9.84)	35.4	11.7	14.5	428	ND (9.78)	ND (9.98)	17.2	11.3	19.9	ND (10.2)
General Chemistry												
Total Recoverable Petroleum Hydrocarbons	mg/Kg	24900	98.3	4460	ND (10.0)	19500	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.01)	ND (10.0)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*GP-28*	*GP-29*	*GP-30*	*GP-31*	*GP-32*	*GP-33*	*GP-33*	*GP-34*	*GP-34*	*GP-36*
Sample ID:		*GP-28 (5-6')*	*GP-29 (7-9')*	*GP-30 (3-5')*	*GP-31 (7-9')*	*GP-32 (5-7')*	*GP-33 (5-7)*	*GP-33 (8-10)*	*GP-34 (3-5)*	*GP-34 (8-10)*	*GP-36 (4-6)*
Sample Depth:		*(5-6)*	*(7-9)*	*(3-5)*	*(7-9)*	*(5-7)*	*(5-7)*	*(8-10)*	*(3-5)*	*(8-10)*	*(4-6)*
Sample Date:		*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/8/1997*	*5/8/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*
Parameter	***Unit***										
Volatiles											
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane	ug/Kg	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*GP-28*	*GP-29*	*GP-30*	*GP-31*	*GP-32*	*GP-33*	*GP-33*	*GP-34*	*GP-34*	*GP-36*
Sample ID:		*GP-28 (5-6')*	*GP-29 (7-9')*	*GP-30 (3-5')*	*GP-31 (7-9')*	*GP-32 (5-7')*	*GP-33 (5-7)*	*GP-33 (8-10)*	*GP-34 (3-5)*	*GP-34 (8-10)*	*GP-36 (4-6)*
Sample Depth:		*(5-6)*	*(7-9)*	*(3-5)*	*(7-9)*	*(5-7)*	*(5-7)*	*(8-10)*	*(3-5)*	*(8-10)*	*(4-6)*
Sample Date:		*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/8/1997*	*5/8/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*
Parameter	***Unit***										
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Cymene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/Kg	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles											
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/Kg	-	-	-	-	-	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)
Acenaphthylene	ug/Kg	-	-	-	-	-	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)
Anthracene	ug/Kg	-	-	-	-	-	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)
Benzo(a)anthracene	ug/Kg	-	-	-	-	-	19.6	ND (4.0)	ND (4.3)	ND (4.3)	ND (4.3)
Benzo(a)pyrene	ug/Kg	-	-	-	-	-	20	ND (3)	ND (3)	ND (3)	ND (3)
Benzo(b)fluoranthene	ug/Kg	-	-	-	-	-	20	ND (6)	ND (6)	ND (6)	ND (6)
Benzo(g,h,i)perylene	ug/Kg	-	-	-	-	-	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
Benzo(k)fluoranthene	ug/Kg	-	-	-	-	-	11	ND (6)	ND (6)	ND (6)	ND (6)
Chrysene	ug/Kg	-	-	-	-	-	18	ND (5)	ND (5)	ND (5)	ND (5)
Dibenz(a,h)anthracene	ug/Kg	-	-	-	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Fluoranthene	ug/Kg	-	-	-	-	-	59	ND (7)	ND (7)	ND (7)	ND (7)
Fluorene	ug/Kg	-	-	-	-	-	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)
Indeno(1,2,3-cd)pyrene	ug/Kg	-	-	-	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)
Naphthalene	ug/Kg	-	-	-	-	-	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)
Phenanthrene	ug/Kg	-	-	-	-	-	ND (21)	ND (21)	ND (21)	ND (21)	ND (21)
Pyrene	ug/Kg	-	-	-	-	-	55	ND (9)	ND (9)	ND (9)	10
PCBs											
Aroclor-1016	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)
Aroclor-1221	ug/Kg	-	-	-	-	-	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)
Aroclor-1232	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)
Aroclor-1242	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)
Aroclor-1248	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)
Aroclor-1254	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)
Aroclor-1260	ug/Kg	-	-	-	-	-	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	298.0

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		*GP-28*	*GP-29*	*GP-30*	*GP-31*	*GP-32*	*GP-33*	*GP-33*	*GP-34*	*GP-34*	*GP-36*
Sample ID:		*GP-28 (5-6')*	*GP-29 (7-9')*	*GP-30 (3-5')*	*GP-31 (7-9')*	*GP-32 (5-7')*	*GP-33 (5-7)*	*GP-33 (8-10)*	*GP-34 (3-5)*	*GP-34 (8-10)*	*GP-36 (4-6)*
Sample Depth:		*(5-6)*	*(7-9)*	*(3-5)*	*(7-9)*	*(5-7)*	*(5-7)*	*(8-10)*	*(3-5)*	*(8-10)*	*(4-6)*
Sample Date:		*5/7/1997*	*5/7/1997*	*5/7/1997*	*5/8/1997*	*5/8/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*
Parameter	***Unit***										
Metals											
Arsenic	mg/Kg	2.01	1.92	2.13	3.46	1.76	-	-	-	-	-
Barium	mg/Kg	59.6	8.25	12.4	18.5	42.6	-	-	-	-	-
Cadmium	mg/Kg	ND (1.01)	ND (0.96)	ND (0.97)	ND (0.96)	ND (0.98)	-	-	-	-	-
Chromium	mg/Kg	14.1	3.65	3.29	3.65	11.1	-	-	-	-	-
Copper	mg/Kg	9.26	3.26	2.13	ND (0.96)	6.25	-	-	-	-	-
Iron	mg/Kg	12200	4410	3390	3460	9450	-	-	-	-	-
Lead	mg/Kg	6.24	2.5	1.74	1.54	4.49	-	-	-	-	-
Mercury	mg/Kg	ND (0.10)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-	-
Selenium	mg/Kg	ND (1.01)	ND (0.96)	ND (0.97)	ND (0.96)	ND (0.98)	-	-	-	-	-
Silver	mg/Kg	ND (1.01)	ND (0.96)	ND (0.97)	ND (0.96)	ND (0.98)	-	-	-	-	-
Zinc	mg/Kg	36.4	13.2	ND (9.69)	ND (9.62)	26.2	-	-	-	-	-
General Chemistry											
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10.0)	ND (10.0)	64300	50.6	22700	ND (10)	ND (1)	ND (10)	ND (10)	988

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*GP-36*	*GP-37*	*GP-37*	*GP-38*	*GP-38*	*GP-39*	*GP-39*	*GP-40*	*GP-40*	*MW-113-99*
Sample ID:		*GP-36 (8-10)*									*S-12609-081799-DN-04*
Sample Depth:		*(8-10)*	*(6-8)*	*(12-14)*	*(8-10)*	*(28-30)*	*(0-2)*	*(14-16)*	*(0-2)*	*(18-20)*	*(7-8)*
Sample Date:		*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*8/17/1999*
Parameter	***Unit***										
Volatiles											
1,1,1,2-Tetrachloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1,1-Trichloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1,2-Trichloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1-Dichloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1-Dichloroethene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,1-Dichloropropene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2,3-Trichlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2,3-Trichloropropane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2,4-Trichlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2,4-Trimethylbenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	12.0	ND (2.0)	80.0	ND (2.0)	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2-Dibromoethane (EDB)	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2-Dichlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2-Dichloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,3,5-Trimethylbenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	45.0	ND (2.0)	-
1,3-Dichlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,3-Dichloropropane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
1,4-Dichlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
2,2-Dichloropropane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
2-Butanone	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
2-Chloroethyl vinyl ether	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
2-Chlorotoluene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
2-Hexanone	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
2-Phenylbutane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
4-Chlorotoluene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
4-Methyl-2-pentanone	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
Acetone	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
Benzene, butyl	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	15.0	ND (2.0)	-
Benzene, isopropyl	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Benzene, propyl	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	20.0	ND (2.0)	-
Benzene, tert-butyl	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Benzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Bromobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Bromodichloromethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Bromoform	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Bromomethane	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-
Carbon disulfide	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Carbon tetrachloride	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chlorobenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chlorobromomethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chloroethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chloroform	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Chloromethane	ug/Kg	-	ND (20.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (20.0)	ND (10.0)	ND (50.0)	ND (10.0)	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***GP-36***	***GP-37***	***GP-37***	***GP-38***	***GP-38***	***GP-39***	***GP-39***	***GP-40***	***GP-40***	***MW-113-99***
Sample ID:		***GP-36 (8-10)***									***S-12609-081799-DN-04***
Sample Depth:		***(8-10)***	***(6-8)***	***(12-14)***	***(8-10)***	***(28-30)***	***(0-2)***	***(14-16)***	***(0-2)***	***(18-20)***	***(7-8)***
Sample Date:		***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/17/1999***
Parameter	***Unit***										
cis-1,2-Dichloroethene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
cis-1,3-Dichloropropene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Cymene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Dibromochloromethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Dibromomethane	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Ethylbenzene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	120.0	ND (2.0)	-
Hexachlorobutadiene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Methylene chloride	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Naphthalene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	30.0	ND (2.0)	-
Styrene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Tetrachloroethene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Toluene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	4.0	ND (2.0)	40.0	ND (2.0)	-
trans-1,2-Dichloroethene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
trans-1,3-Dichloropropene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Trichloroethene	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Vinyl chloride	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (4.0)	ND (2.0)	ND (10.0)	ND (2.0)	-
Xylene (total)	ug/Kg	-	ND (4.0)	ND (2.0)	ND (2.0)	ND (2.0)	8.0	ND (2.0)	415.0	ND (2.0)	-
Semi-Volatiles											
1-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	ND (7900)
2-Methyl naphthalene	ug/Kg	-	-	-	-	-	-	-	-	-	ND (7900)
Acenaphthene	ug/Kg	ND (33)	ND (1330)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	255	ND (33)	1200 J
Acenaphthylene	ug/Kg	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)	ND (67)	ND (7900)
Anthracene	ug/Kg	ND (22)	ND (879)	ND (22)	ND (22)	ND (22)	ND (879)	ND (22)	ND (879)	ND (22)	ND (7900)
Benzo(a)anthracene	ug/Kg	ND (4.3)	ND (173.2)	ND (4.3)	ND (4.3)	ND (4.3)	ND (173.2)	ND (4.3)	ND (173.2)	ND (4.3)	ND (7900)
Benzo(a)pyrene	ug/Kg	ND (3)	ND (133)	ND (3)	ND (3)	ND (3)	ND (133)	ND (3)	ND (133)	ND (3)	ND (7900)
Benzo(b)fluoranthene	ug/Kg	ND (6)	ND (240)	ND (6)	ND (6)	ND (6)	ND (240)	ND (6)	ND (240)	ND (6)	ND (7900)
Benzo(g,h,i)perylene	ug/Kg	ND (25)	ND (1010)	ND (25)	ND (25)	ND (25)	ND (1010)	ND (25)	ND (1010)	ND (25)	ND (7900)
Benzo(k)fluoranthene	ug/Kg	ND (6)	ND (226)	ND (6)	ND (6)	ND (6)	ND (226)	ND (6)	ND (226)	ND (6)	ND (7900)
Chrysene	ug/Kg	ND (5)	ND (200)	ND (5)	ND (5)	ND (5)	ND (200)	ND (5)	ND (200)	ND (5)	ND (7900)
Dibenz(a,h)anthracene	ug/Kg	ND (10)	ND (400)	ND (10)	ND (10)	ND (10)	ND (400)	ND (10)	ND (400)	ND (10)	ND (7900)
Fluoranthene	ug/Kg	ND (7)	ND (280)	9	12	ND (7)	ND (280)	ND (7)	ND (280)	ND (7)	3200 J
Fluorene	ug/Kg	ND (7)	ND (280)	ND (7)	ND (7)	ND (7)	96	ND (7)	117	ND (7)	ND (7900)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (14)	ND (573)	ND (14)	ND (14)	ND (14)	ND (573)	ND (14)	ND (573)	ND (14)	ND (7900)
Naphthalene	ug/Kg	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	ND (33)	45	ND (33)	ND (7900)
Phenanthrene	ug/Kg	ND (21)	ND (852)	ND (21)	ND (21)	ND (21)	ND (852)	ND (21)	ND (852)	ND (21)	3100 J
Pyrene	ug/Kg	ND (9)	ND (360)	ND (9)	10	ND (9)	ND (360)	ND (9)	ND (360)	ND (9)	2200 J
PCBs											
Aroclor-1016	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1221	ug/Kg	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (66.6)	ND (39)
Aroclor-1232	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1242	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1248	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1254	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)
Aroclor-1260	ug/Kg	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (33.3)	ND (39)

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***GP-36***	***GP-37***	***GP-37***	***GP-38***	***GP-38***	***GP-39***	***GP-39***	***GP-40***	***GP-40***	***MW-113-99***
Sample ID:		***GP-36 (8-10)***									***S-12609-081799-DN-04***
Sample Depth:		***(8-10)***	***(6-8)***	***(12-14)***	***(8-10)***	***(28-30)***	***(0-2)***	***(14-16)***	***(0-2)***	***(18-20)***	***(7-8)***
Sample Date:		***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/28/1997***	***8/17/1999***
Parameter	***Unit***										
Metals											
Arsenic	mg/Kg	-	-	-	-	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-	-	-	-	-
General Chemistry											
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (10)	27900	ND (10.0)	ND (10.0)	ND (10.0)	30000	ND (10.0)	28000	ND (10.0)	4900 J

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-113-99*	*MW-115-99*	*MW-115-99*	*MW-115-99*	*MW-116-99*	*MW-116-99*
Sample ID:		*S-12609-081799-DN-05*	*S-12609-081899-DN-12*	*S-12609-081899-DN-18*	*S-12609-081899-DN-13*	*S-12609-081899-DN-14*	*S-12609-081899-DN-15*
Sample Depth:		*(11-12)*	*(6-8)*	*(6-8)*	*(8-10)*	*(6-8)*	*(8-10)*
Sample Date:		*8/17/1999*	*8/18/1999*	*8/18/1999*	*8/18/1999*	*8/18/1999*	*8/18/1999*
				Duplicate			
Parameter	***Unit***						
Volatiles							
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	-	-	-	-	-	-
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	-	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-
2-Hexanone	ug/Kg	-	-	-	-	-	-
2-Phenylbutane	ug/Kg	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	-	-	-	-	-	-
Acetone	ug/Kg	-	-	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-
Benzene	ug/Kg	-	-	-	-	-	-
Bromobenzene	ug/Kg	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	-	-	-	-	-	-
Bromoform	ug/Kg	-	-	-	-	-	-
Bromomethane	ug/Kg	-	-	-	-	-	-
Carbon disulfide	ug/Kg	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	-	-	-	-	-	-
Chlorobenzene	ug/Kg	-	-	-	-	-	-
Chlorobromomethane	ug/Kg	-	-	-	-	-	-
Chloroethane	ug/Kg	-	-	-	-	-	-
Chloroform	ug/Kg	-	-	-	-	-	-
Chloromethane	ug/Kg	-	-	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-113-99***	***MW-115-99***	***MW-115-99***	***MW-115-99***	***MW-116-99***	***MW-116-99***
Sample ID:		***S-12609-081799-DN-05***	***S-12609-081899-DN-12***	***S-12609-081899-DN-18***	***S-12609-081899-DN-13***	***S-12609-081899-DN-14***	***S-12609-081899-DN-15***
Sample Depth:		***(11-12)***	***(6-8)***	***(6-8)***	***(8-10)***	***(6-8)***	***(8-10)***
Sample Date:		***8/17/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***
				Duplicate			
Parameter	***Unit***						
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-
Cymene	ug/Kg	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	-	-	-	-	-	-
Dibromomethane	ug/Kg	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	-	-	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	-	-	-	-	-	-
Toluene	ug/Kg	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	-	-	-	-	-	-
Trichloroethene	ug/Kg	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	-	-	-	-	-	-
Xylene (total)	ug/Kg	-	-	-	-	-	-
Semi-Volatiles							
1-Methyl naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	64 J	ND (410)
2-Methyl naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	56 J	ND (410)
Acenaphthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Acenaphthylene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Anthracene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Benzo(a)anthracene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430) U	ND (400)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Benzo(g,h,i)perylene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Chrysene	ug/Kg	ND (410)	ND (420)	ND (410)	170 J	ND (400)	ND (410)
Dibenz(a,h)anthracene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Fluoranthene	ug/Kg	ND (410)	ND (420)	ND (410)	420 J	ND (400)	ND (410)
Fluorene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Naphthalene	ug/Kg	ND (410)	ND (420)	ND (410)	ND (430)	ND (400)	ND (410)
Phenanthrene	ug/Kg	ND (410)	ND (420)	ND (410)	180 J	290 J	ND (410)
Pyrene	ug/Kg	67 J	ND (420)	ND (410)	250 J	ND (400)	ND (410)
PCBs							
Aroclor-1016	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)
Aroclor-1221	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)
Aroclor-1232	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)
Aroclor-1242	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)
Aroclor-1248	ug/Kg	ND (41)	ND (42)	ND (41)	120	25000	57
Aroclor-1254	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)
Aroclor-1260	ug/Kg	ND (41)	ND (42)	ND (41)	ND (43)	ND (2000)	ND (41)

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-113-99***	***MW-115-99***	***MW-115-99***	***MW-115-99***	***MW-116-99***	***MW-116-99***
Sample ID:		***S-12609-081799-DN-05***	***S-12609-081899-DN-12***	***S-12609-081899-DN-18***	***S-12609-081899-DN-13***	***S-12609-081899-DN-14***	***S-12609-081899-DN-15***
Sample Depth:		***(11-12)***	***(6-8)***	***(6-8)***	***(8-10)***	***(6-8)***	***(8-10)***
Sample Date:		***8/17/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***	***8/18/1999***
				Duplicate			
Parameter	***Unit***						
Metals							
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	1600 J	ND (13)	ND (13)	18 J	730 J	ND (12)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		*MW-118-99*	*MW-118-99*	*MW-118-99*	*MW-119-99*	*MW-119-99*	*MW-119-99*
Sample ID:		*S-12609-081999-DN-21*	*S-12609-081999-DN-22*	*S-12609-081999-DN-23*	*S-12609-081999-DN-24*	*S-12609-081999-DN-26*	*S-12609-081999-DN-25*
Sample Depth:		*(2-3)*	*(6-8)*	*(8-10)*	*(6-8)*	*(6-8)*	*(8-10)*
Sample Date:		*8/19/1999*	*8/19/1999*	*8/19/1999*	*8/19/1999*	*8/19/1999* Duplicate	*8/19/1999*
Parameter	***Unit***						
Volatiles							
1,1,1,2-Tetrachloroethane	ug/Kg	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,1,2-Trichloroethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,1-Dichloroethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,1-Dichloroethene	ug/Kg	2.4 J	ND (7.8)	-	-	-	-
1,1-Dichloropropene	ug/Kg	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/Kg	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,2-Dichloroethene (total)	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,2-Dichloropropane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg	-	-	-	-	-	-
2-Butanone	ug/Kg	ND (27)	ND (31)	-	-	-	-
2-Chloroethyl vinyl ether	ug/Kg	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg	-	-	-	-	-	-
2-Hexanone	ug/Kg	ND (27)	ND (31)	-	-	-	-
2-Phenylbutane	ug/Kg	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg	ND (27)	ND (31)	-	-	-	-
Acetone	ug/Kg	ND (27)	ND (31)	-	-	-	-
Benzene, butyl	ug/Kg	-	-	-	-	-	-
Benzene, isopropyl	ug/Kg	-	-	-	-	-	-
Benzene, propyl	ug/Kg	-	-	-	-	-	-
Benzene, tert-butyl	ug/Kg	-	-	-	-	-	-
Benzene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Bromobenzene	ug/Kg	-	-	-	-	-	-
Bromodichloromethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Bromoform	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Bromomethane	ug/Kg	ND (13)	ND (16)	-	-	-	-
Carbon disulfide	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Carbon tetrachloride	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Chlorobenzene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Chlorobromomethane	ug/Kg	-	-	-	-	-	-
Chloroethane	ug/Kg	ND (13)	ND (16)	-	-	-	-
Chloroform	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Chloromethane	ug/Kg	ND (13)	ND (16)	-	-	-	-

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS
AST AREA
SOIL SAMPLES
TOLEDO, OHIO

Location:		***MW-118-99***	***MW-118-99***	***MW-118-99***	***MW-119-99***	***MW-119-99***	***MW-119-99***
Sample ID:		***S-12609-081999-DN-21***	***S-12609-081999-DN-22***	***S-12609-081999-DN-23***	***S-12609-081999-DN-24***	***S-12609-081999-DN-26***	***S-12609-081999-DN-25***
Sample Depth:		***(2-3)***	***(6-8)***	***(8-10)***	***(6-8)***	***(6-8)***	***(8-10)***
Sample Date:		***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999*** Duplicate	***8/19/1999***
Parameter	***Unit***						
cis-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Cymene	ug/Kg	-	-	-	-	-	-
Dibromochloromethane	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Dibromomethane	ug/Kg	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ug/Kg	-	-	-	-	-	-
Ethylbenzene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Hexachlorobutadiene	ug/Kg	-	-	-	-	-	-
Methylene chloride	ug/Kg	ND (6.7) U	ND (7.8) U	-	-	-	-
Naphthalene	ug/Kg	-	-	-	-	-	-
Styrene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Tetrachloroethene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Toluene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Trichloroethene	ug/Kg	ND (6.7)	ND (7.8)	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/Kg	-	-	-	-	-	-
Vinyl chloride	ug/Kg	ND (13)	ND (16)	-	-	-	-
Xylene (total)	ug/Kg	ND (13)	ND (16)	-	-	-	-
Semi-Volatiles							
1-Methyl naphthalene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
2-Methyl naphthalene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Acenaphthene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Acenaphthylene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Anthracene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(a)anthracene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(a)pyrene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(b)fluoranthene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(g,h,i)perylene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Benzo(k)fluoranthene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Chrysene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Dibenz(a,h)anthracene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Fluoranthene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Fluorene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Indeno(1,2,3-cd)pyrene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Naphthalene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Phenanthrene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
Pyrene	ug/Kg	ND (360)	ND (420)	ND (400)	ND (420)	ND (420)	ND (410)
PCBs							
Aroclor-1016	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1221	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1232	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1242	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1248	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1254	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)
Aroclor-1260	ug/Kg	ND (36)	ND (42)	ND (40)	ND (42)	ND (42)	ND (41)

TABLE C.10.1

SUMMARY OF ANALYTICAL RESULTS

AST AREA

SOIL SAMPLES

TOLEDO, OHIO

Location:		***MW-118-99***	***MW-118-99***	***MW-118-99***	***MW-119-99***	***MW-119-99***	***MW-119-99***
Sample ID:		***S-12609-081999-DN-21***	***S-12609-081999-DN-22***	***S-12609-081999-DN-23***	***S-12609-081999-DN-24***	***S-12609-081999-DN-26***	***S-12609-081999-DN-25***
Sample Depth:		***(2-3)***	***(6-8)***	***(8-10)***	***(6-8)***	***(6-8)***	***(8-10)***
Sample Date:		***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999***	***8/19/1999*** Duplicate	***8/19/1999***
Parameter	***Unit***						
Metals							
Arsenic	mg/Kg	-	-	-	-	-	-
Barium	mg/Kg	-	-	-	-	-	-
Cadmium	mg/Kg	-	-	-	-	-	-
Chromium	mg/Kg	-	-	-	-	-	-
Copper	mg/Kg	-	-	-	-	-	-
Iron	mg/Kg	-	-	-	-	-	-
Lead	mg/Kg	-	-	-	-	-	-
Mercury	mg/Kg	-	-	-	-	-	-
Selenium	mg/Kg	-	-	-	-	-	-
Silver	mg/Kg	-	-	-	-	-	-
Zinc	mg/Kg	-	-	-	-	-	-
General Chemistry							
Total Recoverable Petroleum Hydrocarbons	mg/Kg	ND (11)	ND (13)	ND (12)	ND (13)	ND (13)	ND (12)

Notes:
U-Non-detect at associated value.
J-Estimated.
- Not analyzed.

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

		AST-MW-1	AST-MW-1	AST-MW-4	AST-MW-4	AST-MW-4	AST-MW-4	AST-MW-5
Sample ID:		***AST-MW-1***	***W-12609-091599-DN-12***	***AST-MW-4***	***W-12609-091599-DN-13***	***W-12609-041800-KMV-817***	***W-12609-041800-KMV-818***	
Sample Depth:								
Sample Date:		***5/8/1997***	***9/15/1999***	***5/8/1997***	***9/15/1999***	***4/18/2000***	***4/18/2000***	***8/27/1997***
Parameter	***Unit***							
Volatiles								
1,1,1,2-Tetrachloroethane	ug/L	-	-	-	-	-	-	ND (2.0)
1,1,1-Trichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,1,2-Trichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,1-Dichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,1-Dichloroethene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,1-Dichloropropene	ug/L	-	-	-	-	-	-	ND (2.0)
1,2,3-Trichlorobenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	-	ND (2.0)
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-	-	-	-	-	ND (10.0)
1,2-Dibromoethane (EDB)	ug/L	-	-	-	-	-	-	ND (2.0)
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,2-Dichloroethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,2-Dichloroethene (total)	ug/L	ND (5)	-	ND (5)	-	-	-	-
1,2-Dichloropropane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	-	ND (2.0)
1,3-Dichloropropane	ug/L	-	-	-	-	-	-	ND (2.0)
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	-	ND (2.0)
2,2-Dichloropropane	ug/L	-	-	-	-	-	-	ND (2.0)
2-Butanone	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-	-	ND (2.0)
2-Chlorotoluene	ug/L	-	-	-	-	-	-	ND (2.0)
2-Hexanone	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)
2-Phenylbutane	ug/L	-	-	-	-	-	-	ND (2.0)
4-Chlorotoluene	ug/L	-	-	-	-	-	-	ND (2.0)
4-Methyl-2-pentanone	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)
Acetone	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)
Benzene, butyl	ug/L	-	-	-	-	-	-	ND (2.0)
Benzene, isopropyl	ug/L	-	-	-	-	-	-	ND (2.0)
Benzene, propyl	ug/L	-	-	-	-	-	-	ND (2.0)
Benzene, tert-butyl	ug/L	-	-	-	-	-	-	ND (2.0)
Benzene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Bromobenzene	ug/L	-	-	-	-	-	-	ND (10.0)
Bromodichloromethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Bromoform	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Bromomethane	ug/L	ND (10)	-	ND (10)	-	-	-	ND (10.0)
Carbon disulfide	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Carbon tetrachloride	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Chlorobenzene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Chlorobromomethane	ug/L	-	-	-	-	-	-	ND (2.0)
Chloroethane	ug/L	ND (10)	-	ND (10)	-	-	-	ND (2.0)
Chloroform	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Chloromethane	ug/L	ND (10)	-	ND (10)	-	-	-	ND (2.0)
cis-1,2-Dichloroethene	ug/L	-	-	-	-	-	-	ND (2.0)
cis-1,3-Dichloropropene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Cymene	ug/L	-	-	-	-	-	-	ND (2.0)
Dibromochloromethane	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Dibromomethane	ug/L	-	-	-	-	-	-	ND (2.0)

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*AST-MW-1*	*AST-MW-1*	*AST-MW-4*	*AST-MW-4*	*AST-MW-4*	*AST-MW-4*	*AST-MW-5*
Sample ID:		*AST-MW-1*	*W-12609-091599-DN-12*	*AST-MW-4*	*W-12609-091599-DN-13*	*W-12609-041800-KMV-817*	*W-12609-041800-KMV-818*	
Sample Depth:								
Sample Date:		*5/8/1997*	*9/15/1999*	*5/8/1997*	*9/15/1999*	*4/18/2000*	*4/18/2000*	*8/27/1997*
Parameter	***Unit***							
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	-	-	-	-	ND (2.0)
Ethylbenzene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	ND (2.0)
Methylene chloride	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Naphthalene	ug/L	-	-	-	-	-	-	ND (2.0)
Styrene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Tetrachloroethene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Toluene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-	-	ND (2.0)
trans-1,3-Dichloropropene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Trichloroethene	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Trichlorofluoromethane (CFC-11)	ug/L	-	-	-	-	-	-	ND (2.0)
Vinyl chloride	ug/L	ND (2)	-	ND (2)	-	-	-	ND (2.0)
Xylene (total)	ug/L	ND (5)	-	ND (5)	-	-	-	ND (2.0)
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
1,2-Dichlorobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
1,3-Dichlorobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
1,4-Dichlorobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
1-Methyl naphthalene	ug/L	-	ND (10)	-	ND (10)	-	-	-
2,4,5-Trichlorophenol	ug/L	ND (25)	-	ND (25)	-	-	-	-
2,4,6-Trichlorophenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
2,4-Dichlorophenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
2,4-Dimethylphenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
2,4-Dinitrophenol	ug/L	ND (25)	-	ND (25)	-	-	-	-
2,4-Dinitrotoluene	ug/L	ND (10)	-	ND (10)	-	-	-	-
2,6-Dinitrotoluene	ug/L	ND (10)	-	ND (10)	-	-	-	-
2-Chloronaphthalene	ug/L	ND (10)	-	ND (10)	-	-	-	-
2-Chlorophenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
2-Methyl naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	-
2-Methylphenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
2-Nitroaniline	ug/L	ND (25)	-	ND (25)	-	-	-	-
2-Nitrophenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
3&4-Methylphenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	ND (20)	-	ND (20)	-	-	-	-
3-Nitroaniline	ug/L	ND (25)	-	ND (25)	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	ND (25)	-	ND (25)	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	ND (10)	-	ND (10)	-	-	-	-
4-Chloro-3-methylphenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
4-Chloroaniline	ug/L	ND (10)	-	ND (10)	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	ND (10)	-	ND (10)	-	-	-	-
4-Nitroaniline	ug/L	ND (25)	-	ND (25)	-	-	-	-
4-Nitrophenol	ug/L	ND (25)	-	ND (25)	-	-	-	-
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (1.01)
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (2.02)
Anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.67)
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.13)
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.10)
Benzo(b)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.18)
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.77)
Benzo(k)fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.17)
bis(2-Chloroethoxy)methane	ug/L	ND (10)	-	ND (10)	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	ND (10)	-	ND (10)	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*AST-MW-1*	*AST-MW-1*	*AST-MW-4*	*AST-MW-4*	*AST-MW-4*	*AST-MW-4*	*AST-MW-5*
Sample ID:		*AST-MW-1*	*W-12609-091599-DN-12*	*AST-MW-4*	*W-12609-091599-DN-13*	*W-12609-041800-KMV-817*	*W-12609-041800-KMV-818*	
Sample Depth:								
Sample Date:		*5/8/1997*	*9/15/1999*	*5/8/1997*	*9/15/1999*	*4/18/2000*	*4/18/2000*	*8/27/1997*
Parameter	***Unit***							
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	-	ND (10)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Butyl benzylphthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Carbazole	ug/L	ND (10)	-	ND (10)	-	-	-	-
Chrysene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.15)
Dibenz(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.30)
Dibenzofuran	ug/L	ND (10)	-	ND (10)	-	-	-	-
Diethyl phthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Dimethyl phthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Di-n-butylphthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Di-n-octyl phthalate	ug/L	ND (10)	-	ND (10)	-	-	-	-
Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.21)
Fluorene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.21)
Hexachlorobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
Hexachlorobutadiene	ug/L	ND (10)	-	ND (10)	-	-	-	-
Hexachlorocyclopentadiene	ug/L	ND (10)	-	ND (10)	-	-	-	-
Hexachloroethane	ug/L	ND (10)	-	ND (10)	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.43)
Isophorone	ug/L	ND (10)	-	ND (10)	-	-	-	-
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (1.01)
Nitrobenzene	ug/L	ND (10)	-	ND (10)	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	ND (10)	-	ND (10)	-	-	-	-
N-Nitrosodiphenylamine	ug/L	ND (10)	-	ND (10)	-	-	-	-
Pentachlorophenol	ug/L	ND (25)	-	ND (25)	-	-	-	-
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.65)
Phenol	ug/L	ND (10)	-	ND (10)	-	-	-	-
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	-	-	ND (0.27)
Metals								
Arsenic	mg/L	0.012	-	ND (0.005)	-	-	-	-
Barium	mg/L	0.139	-	0.092	-	-	-	-
Cadmium	mg/L	ND (0.001)	-	ND (0.001)	-	-	-	-
Chromium	mg/L	0.021	-	0.012	-	-	-	-
Copper	mg/L	ND (0.01)	-	ND (0.01)	-	-	-	-
Iron	mg/L	12.4	-	1.98	-	-	-	-
Lead	mg/L	0.006	-	ND (0.003)	-	-	-	-
Mercury	mg/L	ND (0.0002)	-	ND (0.0002)	-	-	-	-
Selenium	mg/L	ND (0.005)	-	ND (0.005)	-	-	-	-
Silver	mg/L	ND (0.005)	-	ND (0.005)	-	-	-	-
Zinc	mg/L	0.029	-	ND (0.02)	-	-	-	-
PCBs								
Aroclor-1016	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1221	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1232	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1242	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1248	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1254	ug/L	ND (0.5)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
Aroclor-1260	ug/L	3.27	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.50)
General Chemistry								
Total Petroleum Hydrocarbons, extractable	mg/L	-	2.4	-	1.4	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	0.12	-	0.11	-	-	-	-
pH (water)	s.u.	-	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*AST-MW-5*	*AST-MW-6*	*AST-MW-6*	*AST-MW-6*	*AST-MW-6*	*GP-1*	*GP-3*
Sample ID:		*W-12609-091599-DN-11*		*W-12609-091599-DN-10*	*W-12609-041800-KMV-815*	*W-12609-041800-KMV-816*	*GP-1*	*GP-3*
Sample Depth:								
Sample Date:		*9/15/1999*	*8/27/1997*	*9/15/1999*	*4/18/2000*	*4/18/2000*	*5/6/1997*	*5/6/1997*
Parameter	***Unit***							
Volatiles								
1,1,1,2-Tetrachloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,1-Dichloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,1-Dichloroethene	ug/L	-	ND (2.0)	-	-	-	-	-
1,1-Dichloropropene	ug/L	-	ND (2.0)	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	-	ND (2.0)	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	ND (10.0)	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/L	-	ND (2.0)	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,2-Dichloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	-	ND (2.0)	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
1,3-Dichloropropane	ug/L	-	ND (2.0)	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
2,2-Dichloropropane	ug/L	-	ND (2.0)	-	-	-	-	-
2-Butanone	ug/L	-	ND (10.0)	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/L	-	ND (2.0)	-	-	-	-	-
2-Chlorotoluene	ug/L	-	ND (2.0)	-	-	-	-	-
2-Hexanone	ug/L	-	ND (10.0)	-	-	-	-	-
2-Phenylbutane	ug/L	-	ND (2.0)	-	-	-	-	-
4-Chlorotoluene	ug/L	-	ND (2.0)	-	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	ND (10.0)	-	-	-	-	-
Acetone	ug/L	-	ND (10.0)	-	-	-	-	-
Benzene, butyl	ug/L	-	ND (2.0)	-	-	-	-	-
Benzene, isopropyl	ug/L	-	ND (2.0)	-	-	-	-	-
Benzene, propyl	ug/L	-	ND (2.0)	-	-	-	-	-
Benzene, tert-butyl	ug/L	-	ND (2.0)	-	-	-	-	-
Benzene	ug/L	-	ND (2.0)	-	-	-	-	-
Bromobenzene	ug/L	-	ND (10.0)	-	-	-	-	-
Bromodichloromethane	ug/L	-	ND (2.0)	-	-	-	-	-
Bromoform	ug/L	-	ND (2.0)	-	-	-	-	-
Bromomethane	ug/L	-	ND (10.0)	-	-	-	-	-
Carbon disulfide	ug/L	-	ND (2.0)	-	-	-	-	-
Carbon tetrachloride	ug/L	-	ND (2.0)	-	-	-	-	-
Chlorobenzene	ug/L	-	ND (2.0)	-	-	-	-	-
Chlorobromomethane	ug/L	-	ND (2.0)	-	-	-	-	-
Chloroethane	ug/L	-	ND (2.0)	-	-	-	-	-
Chloroform	ug/L	-	ND (2.0)	-	-	-	-	-
Chloromethane	ug/L	-	ND (2.0)	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	ND (2.0)	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	ND (2.0)	-	-	-	-	-
Cymene	ug/L	-	ND (2.0)	-	-	-	-	-
Dibromochloromethane	ug/L	-	ND (2.0)	-	-	-	-	-
Dibromomethane	ug/L	-	ND (2.0)	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		***AST-MW-5***	***AST-MW-6***	***AST-MW-6***	***AST-MW-6***	***AST-MW-6***	***GP-1***	***GP-3***
Sample ID:		***W-12609-091599-DN-11***		***W-12609-091599-DN-10***	***W-12609-041800-KMV-815***	***W-12609-041800-KMV-816***	***GP-1***	***GP-3***
Sample Depth:								
Sample Date:		***9/15/1999***	***8/27/1997***	***9/15/1999***	***4/18/2000***	***4/18/2000***	***5/6/1997***	***5/6/1997***
Parameter	***Unit***							
Dichlorodifluoromethane (CFC-12)	ug/L	-	ND (2.0)	-	-	-	-	-
Ethylbenzene	ug/L	-	ND (2.0)	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	ND (2.0)	-	-	-	-	-
Methylene chloride	ug/L	-	ND (2.0)	-	-	-	-	-
Naphthalene	ug/L	-	ND (2.0)	-	-	-	-	-
Styrene	ug/L	-	ND (2.0)	-	-	-	-	-
Tetrachloroethene	ug/L	-	ND (2.0)	-	-	-	-	-
Toluene	ug/L	-	ND (2.0)	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	-	ND (2.0)	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	ND (2.0)	-	-	-	-	-
Trichloroethene	ug/L	-	ND (2.0)	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/L	-	ND (2.0)	-	-	-	-	-
Vinyl chloride	ug/L	-	ND (2.0)	-	-	-	-	-
Xylene (total)	ug/L	-	ND (2.0)	-	-	-	-	-
Semi-Volatiles								
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/L	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-
3&4-Methylphenol	ug/L	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	ND (1.00)	-	-	-	-	-
Acenaphthylene	ug/L	-	ND (2.00)	-	-	-	-	-
Anthracene	ug/L	-	ND (0.66)	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	ND (0.13)	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	ND (0.10)	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	ND (0.18)	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	ND (0.76)	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	ND (0.17)	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		***AST-MW-5***	***AST-MW-6***	***AST-MW-6***	***AST-MW-6***	***AST-MW-6***	***GP-1***	***GP-3***
Sample ID:		***W-12609-091599-DN-11***		***W-12609-091599-DN-10***	***W-12609-041800-KMV-815***	***W-12609-041800-KMV-816***	***GP-1***	***GP-3***
Sample Depth:								
Sample Date:		***9/15/1999***	***8/27/1997***	***9/15/1999***	***4/18/2000***	***4/18/2000***	***5/6/1997***	***5/6/1997***
Parameter	***Unit***							
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-
Chrysene	ug/L	-	ND (0.15)	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	ND (0.30)	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	ND (0.21)	-	-	-	-	-
Fluorene	ug/L	-	ND (0.21)	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	ND (0.43)	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-
Naphthalene	ug/L	-	ND (1.00)	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	ND (0.64)	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-
Pyrene	ug/L	-	ND (0.27)	-	-	-	-	-
Metals								
Arsenic	mg/L	-	-	-	-	-	0.061	0.06
Barium	mg/L	-	-	-	-	-	0.481	0.469
Cadmium	mg/L	-	-	-	-	-	ND (0.001)	0.002
Chromium	mg/L	-	-	-	-	-	0.072	0.11
Copper	mg/L	-	-	-	-	-	0.128	0.197
Iron	mg/L	-	-	-	-	-	106	135
Lead	mg/L	-	-	-	-	-	0.083	0.087
Mercury	mg/L	-	-	-	-	-	ND (0.0002)	ND (0.0002)
Selenium	mg/L	-	-	-	-	-	0.012	0.009
Silver	mg/L	-	-	-	-	-	ND (0.005)	ND (0.005)
Zinc	mg/L	-	-	-	-	-	0.403	0.516
PCBs								
Aroclor-1016	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1221	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1232	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1242	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1248	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1254	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
Aroclor-1260	ug/L	ND (1.0)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	-	-
General Chemistry								
Total Petroleum Hydrocarbons, extractable	mg/L	ND (0.1)	-	1.8	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-	0.31	0.21
pH (water)	s.u.	-	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*GP-6*	*GP-13*	*GP-37*	*GP-39*	*GP-40*	*MW-113-99*	*MW-115-99*	*MW-115-99*
Sample ID:		*GP-6*	*GP-13*				*W-12609-091699-DN-17*	*W-12609-091499-DN-07*	*W-12609-041800-KMV-819*
Sample Depth:									
Sample Date:		*5/6/1997*	*5/7/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*9/16/1999*	*9/14/1999*	*4/18/2000*
Parameter	***Unit***								
Volatiles									
1,1,1,2-Tetrachloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,1,1-Trichloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	0.19 J	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
1,1,2-Trichloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
1,1-Dichloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	0.62 J	-	-
1,1-Dichloroethene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
1,1-Dichloropropene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2,3-Trichlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2,3-Trichloropropane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	-	-	-
1,2-Dibromoethane (EDB)	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,2-Dichloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-	ND (1.0)	-	-
1,2-Dichloropropane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
1,3,5-Trimethylbenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,3-Dichloropropane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
2,2-Dichloropropane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
2-Butanone	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	ND (10)	-	-
2-Chloroethyl vinyl ether	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
2-Chlorotoluene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
2-Hexanone	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	ND (10)	-	-
2-Phenylbutane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
4-Chlorotoluene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	ND (10)	-	-
Acetone	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	30	-	-
Benzene, butyl	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Benzene, isopropyl	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Benzene, propyl	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Benzene, tert-butyl	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Benzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	0.16 J	-	-
Bromobenzene	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	-	-	-
Bromodichloromethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Bromoform	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Bromomethane	ug/L	-	-	ND (10.0)	ND (10.0)	ND (10.0)	ND (2.0)	-	-
Carbon disulfide	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	0.13 J	-	-
Carbon tetrachloride	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Chlorobenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Chlorobromomethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Chloroethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	0.69 J	-	-
Chloroform	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Chloromethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	-	-
cis-1,2-Dichloroethene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Cymene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Dibromochloromethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Dibromomethane	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*GP-6*	*GP-13*	*GP-37*	*GP-39*	*GP-40*	*MW-113-99*	*MW-115-99*	*MW-115-99*
Sample ID:		*GP-6*	*GP-13*				*W-12609-091699-DN-17*	*W-12609-091499-DN-07*	*W-12609-041800-KMV-819*
Sample Depth:									
Sample Date:		*5/6/1997*	*5/7/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*9/16/1999*	*9/14/1999*	*4/18/2000*
Parameter	***Unit***								
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Ethylbenzene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Hexachlorobutadiene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Methylene chloride	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.8) U	-	-
Naphthalene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Styrene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Tetrachloroethene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Toluene	ug/L	-	-	ND (2.0)	ND (2.0)	3.0	0.23 J	-	-
trans-1,2-Dichloroethene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Trichloroethene	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.0)	-	-
Trichlorofluoromethane (CFC-11)	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-
Vinyl chloride	ug/L	-	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	-	-
Xylene (total)	ug/L	-	-	ND (2.0)	ND (2.0)	4.0	ND (1.0)	-	-
Semi-Volatiles									
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-
1-Methyl naphthalene	ug/L	-	-	-	-	-	-	ND (10)	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	-	-	-	-	ND (10)	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-
3&4-Methylphenol	ug/L	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	3.50	ND (1.01)	ND (2.13)	-	ND (10)	-
Acenaphthylene	ug/L	-	-	ND (2.22)	ND (2.02)	ND (4.26)	-	ND (10)	-
Anthracene	ug/L	-	-	ND (0.73)	ND (0.67)	ND (1.40)	-	ND (10)	-
Benzo(a)anthracene	ug/L	-	-	ND (0.14)	ND (0.13)	ND (0.28)	-	ND (10)	-
Benzo(a)pyrene	ug/L	-	-	ND (0.11)	ND (0.10)	ND (0.21)	-	ND (10)	-
Benzo(b)fluoranthene	ug/L	-	-	ND (0.20)	ND (0.18)	ND (0.38)	-	ND (10)	-
Benzo(g,h,i)perylene	ug/L	-	-	ND (0.84)	ND (0.77)	ND (1.62)	-	ND (10)	-
Benzo(k)fluoranthene	ug/L	-	-	ND (0.19)	ND (0.17)	ND (0.36)	-	ND (10)	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*GP-6*	*GP-13*	*GP-37*	*GP-39*	*GP-40*	*MW-113-99*	*MW-115-99*	*MW-115-99*
Sample ID:		*GP-6*	*GP-13*				*W-12609-091699-DN-17*	*W-12609-091499-DN-07*	*W-12609-041800-KMV-819*
Sample Depth:									
Sample Date:		*5/6/1997*	*5/7/1997*	*8/28/1997*	*8/28/1997*	*8/28/1997*	*9/16/1999*	*9/14/1999*	*4/18/2000*
Parameter	***Unit***								
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	ND (0.17)	ND (0.15)	ND (0.32)	-	ND (10)	-
Dibenz(a,h)anthracene	ug/L	-	-	ND (0.33)	ND (0.30)	ND (0.64)	-	ND (10)	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	ND (0.23)	ND (0.21)	ND (0.45)	-	ND (10)	-
Fluorene	ug/L	-	-	ND (0.23)	ND (0.21)	ND (0.45)	-	ND (10)	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	ND (0.48)	ND (0.43)	ND (0.92)	-	ND (10)	-
Isophorone	ug/L	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	ND (1.11)	ND (1.01)	ND (2.13)	-	ND (10)	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	ND (0.71)	ND (0.65)	ND (1.36)	-	ND (10)	-
Phenol	ug/L	-	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	0.53	ND (0.27)	ND (0.57)	-	ND (10)	-
Metals									
Arsenic	mg/L	0.027	ND (0.005)	-	-	-	-	-	-
Barium	mg/L	0.428	0.063	-	-	-	-	-	-
Cadmium	mg/L	ND (0.001)	ND (0.001)	-	-	-	-	-	-
Chromium	mg/L	0.018	0.014	-	-	-	-	-	-
Copper	mg/L	0.026	ND (0.01)	-	-	-	-	-	-
Iron	mg/L	32.2	4.36	-	-	-	-	-	-
Lead	mg/L	0.026	0.007	-	-	-	-	-	-
Mercury	mg/L	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-
Selenium	mg/L	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Silver	mg/L	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Zinc	mg/L	0.104	0.029	-	-	-	-	-	-
PCBs									
Aroclor-1016	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	-	-	14.07	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	-	-	ND (0.59)	ND (0.50)	-	-	ND (1.0)	ND (1.0)
General Chemistry									
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-	5.5	0.44	-
Total Recoverable Petroleum Hydrocarbons	mg/L	329	66.7	45.4	46.2	71	-	-	-
pH (water)	s.u.	-	-	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-115-99*	*MW-115-99*	*MW-116-99*	*MW-118-99*	*MW-119-99*
Sample ID:		*W-12609-041800-KMV-820*	*W-12609-041800-KMV-821*	*W-12609-090899-DN-04*	*W-12609-091499-DN-05*	*W-12609-091499-DN-06*
Sample Depth:						
Sample Date:		*4/18/2000*	*4/18/2000*	*9/8/1999*	*9/14/1999*	*9/14/1999*
Parameter	***Unit***					
Volatiles						
1,1,1,2-Tetrachloroethane	ug/L	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	-	-	-
1,1-Dichloroethene	ug/L	-	-	-	-	-
1,1-Dichloropropene	ug/L	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-	-	-	-
1,2-Dibromoethane (EDB)	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichloroethane	ug/L	-	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,3-Dichloropropane	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
2,2-Dichloropropane	ug/L	-	-	-	-	-
2-Butanone	ug/L	-	-	-	-	-
2-Chloroethyl vinyl ether	ug/L	-	-	-	-	-
2-Chlorotoluene	ug/L	-	-	-	-	-
2-Hexanone	ug/L	-	-	-	-	-
2-Phenylbutane	ug/L	-	-	-	-	-
4-Chlorotoluene	ug/L	-	-	-	-	-
4-Methyl-2-pentanone	ug/L	-	-	-	-	-
Acetone	ug/L	-	-	-	-	-
Benzene, butyl	ug/L	-	-	-	-	-
Benzene, isopropyl	ug/L	-	-	-	-	-
Benzene, propyl	ug/L	-	-	-	-	-
Benzene, tert-butyl	ug/L	-	-	-	-	-
Benzene	ug/L	-	-	-	-	-
Bromobenzene	ug/L	-	-	-	-	-
Bromodichloromethane	ug/L	-	-	-	-	-
Bromoform	ug/L	-	-	-	-	-
Bromomethane	ug/L	-	-	-	-	-
Carbon disulfide	ug/L	-	-	-	-	-
Carbon tetrachloride	ug/L	-	-	-	-	-
Chlorobenzene	ug/L	-	-	-	-	-
Chlorobromomethane	ug/L	-	-	-	-	-
Chloroethane	ug/L	-	-	-	-	-
Chloroform	ug/L	-	-	-	-	-
Chloromethane	ug/L	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	-	-	-	-	-
Cymene	ug/L	-	-	-	-	-
Dibromochloromethane	ug/L	-	-	-	-	-
Dibromomethane	ug/L	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-115-99*	*MW-115-99*	*MW-116-99*	*MW-118-99*	*MW-119-99*
Sample ID:		*W-12609-041800-KMV-820*	*W-12609-041800-KMV-824*	*W-12609-090899-DN-04*	*W-12609-091499-DN-05*	*W-12609-091499-DN-06*
Sample Depth:						
Sample Date:		*4/18/2000*	*4/18/2000*	*9/8/1999*	*9/14/1999*	*9/14/1999*
Parameter	***Unit***					
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-
Methylene chloride	ug/L	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-
Styrene	ug/L	-	-	-	-	-
Tetrachloroethene	ug/L	-	-	-	-	-
Toluene	ug/L	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	-	-	-	-	-
Trichloroethene	ug/L	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/L	-	-	-	-	-
Vinyl chloride	ug/L	-	-	-	-	-
Xylene (total)	ug/L	-	-	-	-	-
Semi-Volatiles						
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-
1-Methyl naphthalene	ug/L	-	-	ND (50)	ND (10)	ND (10)
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-
2-Methyl naphthalene	ug/L	-	-	ND (50)	ND (10)	ND (10)
2-Methylphenol	ug/L	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-
3&4-Methylphenol	ug/L	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-
Acenaphthene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Acenaphthylene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Anthracene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Benzo(a)anthracene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Benzo(b)fluoranthene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Benzo(k)fluoranthene	ug/L	-	-	ND (50)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*MW-115-99*	*MW-115-99*	*MW-116-99*	*MW-118-99*	*MW-119-99*
Sample ID:		*W-12609-041800-KMV-820*	*W-12609-041800-KMV-824*	*W-12609-090899-DN-04*	*W-12609-091499-DN-05*	*W-12609-091499-DN-06*
Sample Depth:						
Sample Date:		*4/18/2000*	*4/18/2000*	*9/8/1999*	*9/14/1999*	*9/14/1999*
Parameter	***Unit***					
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-
Chrysene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Dibenz(a,h)anthracene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Dibenzofuran	ug/L	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-
Fluoranthene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Fluorene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Hexachlorobenzene	ug/L	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Isophorone	ug/L	-	-	-	-	-
Naphthalene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Nitrobenzene	ug/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-
Pentachlorophenol	ug/L	-	-	-	-	-
Phenanthrene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Phenol	ug/L	-	-	-	-	-
Pyrene	ug/L	-	-	ND (50)	ND (10)	ND (10)
Metals						
Arsenic	mg/L	-	-	-	-	-
Barium	mg/L	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-
Copper	mg/L	-	-	-	-	-
Iron	mg/L	-	-	-	-	-
Lead	mg/L	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-
Silver	mg/L	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-
PCBs						
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1248	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
General Chemistry						
Total Petroleum Hydrocarbons, extractable	mg/L	-	-	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	ND (1)	72	74
pH (water)	s.u.	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*RW-1*	*RW-2*	*RW-3*	*RW-3*	*RW-4*	*RW-4*
Sample ID:		*W-12609-092199-DN-20*	*W-12609-092299-DN-23*		*W-12609-092199-DN-21*		*W-12609-092299-DN-24*
Sample Depth:							
Sample Date:		*9/21/1999*	*9/22/1999*	*11/25/1997*	*9/21/1999*	*11/25/1997*	*9/22/1999*
Parameter	***Unit***						
Volatiles							
1,1,1,2-Tetrachloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,1,1-Trichloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,1,2,2-Tetrachloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,1,2-Trichloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,1-Dichloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,1-Dichloroethene	ug/L	-	-	ND (2)	-	ND (2)	-
1,1-Dichloropropene	ug/L	-	-	ND (2)	-	ND (2)	-
1,2,3-Trichlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,2,3-Trichloropropane	ug/L	-	-	ND (2)	-	ND (2)	-
1,2,4-Trichlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,2,4-Trimethylbenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-	ND (10)	-	ND (10)	-
1,2-Dibromoethane (EDB)	ug/L	-	-	ND (2)	-	ND (2)	-
1,2-Dichlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,2-Dichloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	-	-	ND (2)	-	ND (2)	-
1,3,5-Trimethylbenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,3-Dichlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
1,3-Dichloropropane	ug/L	-	-	ND (2)	-	ND (2)	-
1,4-Dichlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
2,2-Dichloropropane	ug/L	-	-	ND (2)	-	ND (2)	-
2-Butanone	ug/L	-	-	ND (10)	-	ND (10)	-
2-Chloroethyl vinyl ether	ug/L	-	-	ND (2)	-	ND (2)	-
2-Chlorotoluene	ug/L	-	-	ND (2)	-	ND (2)	-
2-Hexanone	ug/L	-	-	ND (10)	-	ND (10)	-
2-Phenylbutane	ug/L	-	-	ND (2)	-	ND (2)	-
4-Chlorotoluene	ug/L	-	-	ND (2)	-	ND (2)	-
4-Methyl-2-pentanone	ug/L	-	-	ND (10)	-	ND (10)	-
Acetone	ug/L	-	-	ND (10)	-	ND (10)	-
Benzene, butyl	ug/L	-	-	ND (2)	-	ND (2)	-
Benzene, isopropyl	ug/L	-	-	ND (2)	-	ND (2)	-
Benzene, propyl	ug/L	-	-	ND (2)	-	ND (2)	-
Benzene, tert-butyl	ug/L	-	-	ND (2)	-	ND (2)	-
Benzene	ug/L	-	-	ND (2)	-	ND (2)	-
Bromobenzene	ug/L	-	-	ND (10)	-	ND (2)	-
Bromodichloromethane	ug/L	-	-	ND (2)	-	ND (2)	-
Bromoform	ug/L	-	-	ND (2)	-	ND (2)	-
Bromomethane	ug/L	-	-	ND (10)	-	ND (10)	-
Carbon disulfide	ug/L	-	-	ND (2)	-	ND (2)	-
Carbon tetrachloride	ug/L	-	-	ND (2)	-	ND (2)	-
Chlorobenzene	ug/L	-	-	ND (2)	-	ND (2)	-
Chlorobromomethane	ug/L	-	-	ND (2)	-	ND (2)	-
Chloroethane	ug/L	-	-	ND (2)	-	ND (2)	-
Chloroform	ug/L	-	-	ND (2)	-	ND (2)	-
Chloromethane	ug/L	-	-	ND (2)	-	ND (2)	-
cis-1,2-Dichloroethene	ug/L	-	-	ND (2)	-	ND (2)	-
cis-1,3-Dichloropropene	ug/L	-	-	ND (2)	-	ND (2)	-
Cymene	ug/L	-	-	ND (2)	-	ND (2)	-
Dibromochloromethane	ug/L	-	-	ND (2)	-	ND (2)	-
Dibromomethane	ug/L	-	-	ND (2)	-	ND (2)	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS

AST AREA

GROUNDWATER SAMPLES

TOLEDO, OHIO

Location:		*RW-1*	*RW-2*	*RW-3*	*RW-3*	*RW-4*	*RW-4*
Sample ID:		*W-12609-092199-DN-20*	*W-12609-092299-DN-23*		*W-12609-092199-DN-21*		*W-12609-092299-DN-24*
Sample Depth:							
Sample Date:		*9/21/1999*	*9/22/1999*	*11/25/1997*	*9/21/1999*	*11/25/1997*	*9/22/1999*
Parameter	***Unit***						
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	ND (2)	-	ND (2)	-
Ethylbenzene	ug/L	-	-	ND (2)	-	ND (2)	-
Hexachlorobutadiene	ug/L	-	-	ND (2)	-	ND (2)	-
Methylene chloride	ug/L	-	-	ND (2)	-	ND (2)	-
Naphthalene	ug/L	-	-	ND (2)	-	ND (2)	-
Styrene	ug/L	-	-	ND (2)	-	ND (2)	-
Tetrachloroethene	ug/L	-	-	ND (2)	-	ND (2)	-
Toluene	ug/L	-	-	ND (2)	-	ND (2)	-
trans-1,2-Dichloroethene	ug/L	-	-	ND (2)	-	ND (2)	-
trans-1,3-Dichloropropene	ug/L	-	-	ND (2)	-	ND (2)	-
Trichloroethene	ug/L	-	-	ND (2)	-	ND (2)	-
Trichlorofluoromethane (CFC-11)	ug/L	-	-	ND (2)	-	ND (2)	-
Vinyl chloride	ug/L	-	-	ND (2)	-	ND (2)	-
Xylene (total)	ug/L	-	-	ND (2)	-	ND (2)	-
Semi-Volatiles							
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	-
1-Methyl naphthalene	ug/L	ND (100)	ND (1000)	-	ND (25)	-	ND (25)
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-
2-Methyl naphthalene	ug/L	ND (100)	ND (1000)	-	ND (25)	-	ND (25)
2-Methylphenol	ug/L	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-
3&4-Methylphenol	ug/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-
Acenaphthene	ug/L	ND (100)	ND (1000)	ND (1.03)	ND (25)	ND (1.01)	ND (25)
Acenaphthylene	ug/L	ND (100)	ND (1000)	ND (2.06)	ND (25)	ND (2.02)	ND (25)
Anthracene	ug/L	ND (100)	ND (1000)	ND (0.68)	ND (25)	ND (0.67)	ND (25)
Benzo(a)anthracene	ug/L	ND (100)	ND (1000)	ND (0.13)	ND (25)	ND (0.13)	ND (25)
Benzo(a)pyrene	ug/L	ND (100)	ND (1000)	ND (0.1)	ND (25)	ND (0.1)	ND (25)
Benzo(b)fluoranthene	ug/L	ND (100)	ND (1000)	ND (0.19)	ND (25)	ND (0.1)	ND (25)
Benzo(g,h,i)perylene	ug/L	ND (100)	ND (1000)	ND (0.78)	ND (25)	ND (0.77)	ND (25)
Benzo(k)fluoranthene	ug/L	ND (100)	ND (1000)	ND (0.18)	ND (25)	ND (0.17)	ND (25)
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-

TABLE C.10.2

SUMMARY OF ANALYTICAL RESULTS
AST AREA
GROUNDWATER SAMPLES
TOLEDO, OHIO

Location:		*RW-1*	*RW-2*	*RW-3*	*RW-3*	*RW-4*	*RW-4*
Sample ID:		*W-12609-092199-DN-20*	*W-12609-092299-DN-23*		*W-12609-092199-DN-21*		*W-12609-092299-DN-24*
Sample Depth:							
Sample Date:		*9/21/1999*	*9/22/1999*	*11/25/1997*	*9/21/1999*	*11/25/1997*	*9/22/1999*
Parameter	***Unit***						
bis(2-Chloroisopropyl)ether	ug/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ug/L	-	-	-	-	-	-
Butyl benzylphthalate	ug/L	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-
Chrysene	ug/L	ND (100)	ND (1000)	ND (0.15)	ND (25)	ND (0.15)	ND (25)
Dibenz(a,h)anthracene	ug/L	ND (100)	ND (1000)	ND (0.31)	ND (25)	ND (0.3)	ND (25)
Dibenzofuran	ug/L	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-
Di-n-butylphthalate	ug/L	-	-	-	-	-	-
Di-n-octyl phthalate	ug/L	-	-	-	-	-	-
Fluoranthene	ug/L	ND (100)	ND (1000)	ND (0.22)	ND (25)	ND (0.21)	ND (25)
Fluorene	ug/L	ND (100)	ND (1000)	ND (0.22)	ND (25)	ND (0.21)	ND (25)
Hexachlorobenzene	ug/L	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	ND (100)	ND (1000)	ND (0.44)	ND (25)	ND (0.43)	ND (25)
Isophorone	ug/L	-	-	-	-	-	-
Naphthalene	ug/L	ND (100)	ND (1000)	ND (1.03)	ND (25)	ND (1.01)	ND (25)
Nitrobenzene	ug/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-
Pentachlorophenol	ug/L	-	-	-	-	-	-
Phenanthrene	ug/L	ND (100)	ND (1000)	ND (0.66)	ND (25)	ND (0.65)	ND (25)
Phenol	ug/L	-	-	-	-	-	-
Pyrene	ug/L	ND (100)	ND (1000)	ND (0.28)	ND (25)	ND (0.27)	ND (25)
Metals							
Arsenic	mg/L	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-
PCBs							
Aroclor-1016	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1221	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1232	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1242	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1248	ug/L	6.4	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1254	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
Aroclor-1260	ug/L	ND (1.0)	ND (1.0)	ND (0.51)	ND (1.0)	ND (0.51)	ND (1.0)
General Chemistry							
Total Petroleum Hydrocarbons, extractable	mg/L	17	380	-	8.5	-	6.9
Total Recoverable Petroleum Hydrocarbons	mg/L	-	-	-	-	-	-
pH (water)	s.u.	-	-	-	-	-	-

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CONFIRMATORY INVESTIGATION REPORT

GM POWERTRAIN GROUP
TOLEDO PLANT
TOLEDO, OHIO

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1.0 INTRODUCTION

1.1 GENERAL

The purpose of this report is to present the results of the confirmatory analysis for the remedial activities that were completed by Conestoga-Rovers & Associates (CRA) between August 1, 2000 and February 6, 2001. Remedial activities were performed based on the findings of the study area (Site) investigations performed by CRA between May 1997 and December 2000. Investigations were conducted to evaluate the extent of contamination in selected Areas of Interest (AOIs) at the General Motors (GM Powertrain Group – Toledo Plant) located at 1455 West Alexis Road in Toledo, Ohio. The plant location is presented on Figure 1.1. The plant is located on approximately 186 acres, including 33 acres of REALM property. The Site consists of approximately 45 acres (33 acres of REALM property and 18 acres of GM property) of plant property south of the main manufacturing buildings. The Site includes the areas adjacent to Silver Creek and its tributaries. The Site plan is presented on Figure 1.2.

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1.2 SITE BACKGROUND

The United States government originally built the plant in 1941. GM acquired the plant in 1956. Areas of the Site appear to have been disturbed prior to GM's ownership. Certain areas of the Site have been filled over time.

The Site has been separated into remedial areas. The REALM property boundary and the AOIs are presented on Figures 1.1 and 1.2, respectively. Silver Creek and its tributaries are presented on Figure 1.3.

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2.0 AREAS OF INTEREST

2.1 FORMER 300,000-GALLON TANK/AST OVERFLOW AREA

Until 1962, oily waste from the plant was collected in a large, open-top storage tank located south of plant #2. The storage tank had a capacity of 300,000 gallons. A historic release in 1962 defines the Former 300,000-Gallon Aboveground Storage Tank (AST) Overflow Area (former AST area) presented on Figure 1.2.

2.1.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and sediment samples were collected in the Former AST Area. All samples were analyzed for polychlorinated biphenyls (PCBs). Select samples were also analyzed for general chemistry, volatile organic carbons (VOCs), semi-volatile organic carbons (SVOCs), and metals. The Summary of Site Investigations Report, dated December 2000, recommended that soil removal be considered due to PCB results.

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2.1.2 REMEDIAL ACTIVITIES

Approximately 1,000 cubic yards of soil was excavated from the former AST Area. Figure 2.1.1 presents the locations and verification results of the excavation areas. Approximately 100 cubic yards were isolated for Toxic Substances Control Act (TSCA) off-Site disposal. The remainder of the excavated soil was placed on the Former Disposal Area (FDA) and was capped.

Verification soil samples were collected November 8, 2001 and November 9, 2001 to determine if all PCB contaminated soils were removed. Figures 2.1.1 and 2.1.2 present the sample locations and verification sample results for the Former AST Area. A summary of analytical detections are presented in Table 2.1.1. Complete analytical results, including non-detects, are presented in Appendix A. The data validation report is presented in Appendix B.

2.2 SOUTHEAST BERM

The Southeast Berm Area is located north of Silver Creek, and southeast of the stormwater pond. The Southeast Berm Area is presented on Figure 1.2. The area was

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impacted by the 1962 historic release from the former 300,000-gallon AST, when material that overflowed from the AST collected and pooled on the ground.

2.2.1 RESULTS OF SITE INVESTIGATION

During the Site investigation soil and sediment samples were collected in the Southeast Berm. All samples were analyzed for PCBs. Select samples were also analyzed for general chemistry, VOCs, SVOCs, metals, and pesticides. The Summary of Site Investigations Report, dated December 2000, recommended that soil and groundwater remediation be considered due to PCB results.

2.2.2 REMEDIAL ACTIVITIES

Approximately 8,000 cubic yards of soil was excavated from the Southeast Berm. Figure 2.2.1 presents the locations and depths of the excavation areas. Approximately 175 cubic yards was isolated for TSCA off-Site disposal. The remainder of the excavated soil was placed on the FDA and was capped.

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Verification soil samples were collected from September 20, 2001 to October 17, 2001, to determine that all PCB-impacted soil was removed. Figures 2.2.1 and 2.2.2 present the sample locations and verification sample results for Southeast Berm. A summary of analytical detections are presented in Table 2.2.1. Complete analytical results, including non-detects, are presented in Appendix C. The data validation memo is presented in Appendix B.

2.3 EXISTING STORMWATER POND

Since 1981, stormwater and non-contact cooling water for the Site has collected in an unlined stormwater pond. Water in the pond is treated using an oil/water separator prior to discharging periodically to Silver Creek. The Existing Stormwater Pond (ESP) area is presented on Figure 1.2.

2.3.1 RESULTS OF SITE INVESTIGATION

During the Site investigation soil, sediment and groundwater samples were collected from the ESP area. Select samples were analyzed for PCBs, general chemistry, VOCs,

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SVOCs, and metals. The Summary of Site Investigations Report, dated December 2000, recommended that sediment removal be considered due to PCB results.

2.3.2 REMEDIAL ACTIVITIES

The stormwater pond was dewatered and the sediment was stabilized with lime. Approximately 5,000 cubic yards of stabilized sediment and soil was isolated in a containment cell for testing and off-Site disposal. Approximately 900 cubic yards of soil was placed on the FDA and was capped.

Verification soil samples were collected August 24, 2000 across the base of the pond to determine that all PCB-impacted soil was removed. Figure 2.3.1 presents the locations of the ESP confirmatory sampling and analysis results. A summary of analytical detections is presented in Table 2.3.1. Complete analytical results, including non-detects, are presented in Appendix D. The data validation memo is presented in Appendix B.

Additional remedial activities in the ESP are detailed in the CRA report titled "Operation and Maintenance Plan GMPT Stormwater Pond Upgrades" dated February, 2001.

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2.4 NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE

Several piles of various materials from unknown sources exist at the Site. Figure 1.2 presents the location of the piles.

2.4.1 RESULTS OF SITE INVESTIGATION

During the Site investigation soil samples were collected from the Northern Fill Soil Pile and the TPH Pile, and were analyzed for PBCs. Select samples were also analyzed for general chemistry, VOCs, SVOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that no remedial action was required. After further consideration, remedial action was initiated, as the TPH soil pile would serve as an excellent subgrading for the Former Disposal Area cap (Section 2.6).

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2.4.2 REMEDIAL ACTIVITIES

Approximately 270 tons of TPH pile debris was removed for off-Site disposal. Approximately 1,800 cubic yards of soil from the TPH Pile was placed in the Former Disposal Area. Approximately 10,000 cubic yards of soil from the Northern Fill Soil Pile was used to fill the Southeast Berm.

Verification soil samples from the TPH Pile were collected November 10, 2000, to determine if all TPH-impacted soil was removed. Figure 2.4.1 presents the locations of the TPH Pile confirmatory sampling and analysis results. A summary of analytical detections are presented in Table 2.4.1. Complete analytical results, including non-detects, are presented in Appendix E. The data validation memo is presented in Appendix B.

2.5 FORMER STORMWATER POND

Prior to 1981, stormwater and non-contact cooling water collected in the Former Stormwater Pond (FSP). The FSP was removed from service and backfilled (i.e., sludge left in place) in 1981. The location of the FSP is presented on Figure 1.2.

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2.5.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the FSP Area. All samples were analyzed for PBCs. Select samples were also analyzed for VOCs, SVOCs, metals and pesticides. The Summary of Site Investigations Report, dated December 2000, found that remedial action should be considered due to PCB results.

2.5.2 REMEDIAL ACTIVITIES

Remedial activities for the FSP are presented in the CRA report titled "Operation and Maintenance Plan" dated January, 2001.

2.6 FORMER DISPOSAL AREA

In late 1988, GM discovered that a portion of their Toledo plant Site, approximately 5 acres in size, was used as a disposal area in the 1950s and 1960s. The FDA is bounded

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by railroad tracks to the north and east and by Silver Creek to the south. The location of the FDA is presented on Figure 1.2.

2.6.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the FDA. All samples were analyzed for PBCs. Select samples were also analyzed for VOCs, SVOCs, metals, pesticides, and dioxin furans. The Summary of Site Investigations Report, dated December 2000, found that based on the PCB results in the vicinity of the FDA, remedial action should be considered.

2.6.2 REMEDIAL ACTIVITIES

Remedial activities for the FDA are presented in the CRA report titled "Operation and Maintenance Plan" dated January, 2001.

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2.7 AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA

The area south of Silver Creek (ASC) is a large undeveloped portion of the Site, bounded by Silver Creek to the north and to the west, the Site boundary to the south, and the Site boundary/railway tracks to the east. The area west of the FDA (AWFD) is another, smaller, undeveloped portion of the Site, bounded to the north by railway tracks, to the east by the west ditch of the FDA, to the south by Silver Creek, and by the Site boundary to the west. Figure 1.2 presents the location of the ASC/AWFD.

2.7.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the ASC/AWFD. All samples were analyzed for PBCs. Select samples were also analyzed for VOCs, SVOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that based on chromium results in the vicinity of the ASC/AWFD only one test pit area must be addressed.

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2.7.2 REMEDIAL ACTIVITIES

Approximately 750 tons of chromium impacted soil in the ASC was excavated for off-site disposal. An 8 point composite verification soil sample was collected from the ASC November 18, 2000 to determine that all chromium impacted soil was removed. Figure 2.7.1 presents the locations of the verification sample. A summary of analytical detections are presented in Table 2.7.1. Complete analytical results, including non-detects, are presented in Appendix F. The data validation memo is presented in Appendix B.

2.8 SOUTHWEST AREA

During Phase I investigations of the FDA, PCBs were detected in the Southwest Area. Figure 1.2 presents the location of the Southwest Area.

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2.8.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the Southwest Area. All samples were analyzed for PBCs. The Summary of Site Investigations Report, dated December 2000, found that no remedial activity was required. After further consideration, remedial action was initiated in the Southwest Area.

2.8.2 REMEDIAL ACTIVITIES

Approximately 100 cubic yards of soil from the Southwest Area was excavated for disposal in the FDA.

Verification soil samples from the Southwest Area were collected November 1, 2000 to determine that all PCB-impacted soil was removed. Figure 2.8.1 presents the locations of the Southwest Area confirmatory sampling and analysis results. A summary of analytical detections are presented in Table 2.8.1. Complete analytical results, including non-detects, are presented in Appendix G. The data validation is presented in Appendix B.

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2.9 SILVER CREEK AND TRIBUTARY DITCHES

Silver Creek passes through the southern section of the Site and enters Halfway Creek approximately 4 miles east of the Site. Silver Creek, presented on Figure 1.3, is approximately 7 miles in length, approximately 10 to 15 feet wide in the vicinity of the Site, and up to 2 feet deep during normal conditions.

Five on-Site ditches flow intermittently into Silver Creek. The locations of the ditches are presented on Figure 1.3.

2.9.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, sediment and surface water samples were collected from Silver Creek and its tributary ditches. Select samples were also analyzed for PBCs, general chemistry, VOCs, and metals. The Summary of Site Investigations Report, dated December 2000, found that no remedial activity was required.

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2.10 AST AREA

The AST area is located south of the existing on-Site Wastewater Treatment Plant (WWTP), where many ASTs are located. This area is located east of the plant and is presented on Figure 1.2.

2.10.1 RESULTS OF SITE INVESTIGATION

During the Site investigation, soil and groundwater samples were collected from the AST Area. Select samples were analyzed for PBCs, general chemistry, VOCs, SVOCs, and metals. Remedial actions were not recommended.

2.11 CHROMIUM STOCKPILE

The Chromium Stockpile was lined and isolated to receive chromium-impacted soil from the ASC. The location of the chromium stockpile is presented in Figure 2.11.1.

A 12 point composite verification soil sample was collected November 18, 2001 from locations presented on Figure 2.11.1. A summary of analytical detections are presented

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in Table 2.11.1. Complete analytical results including non-detects, are presented in Appendix H. The data validation memo is presented in Appendix B.

2.12 TSCA STAGING AREA

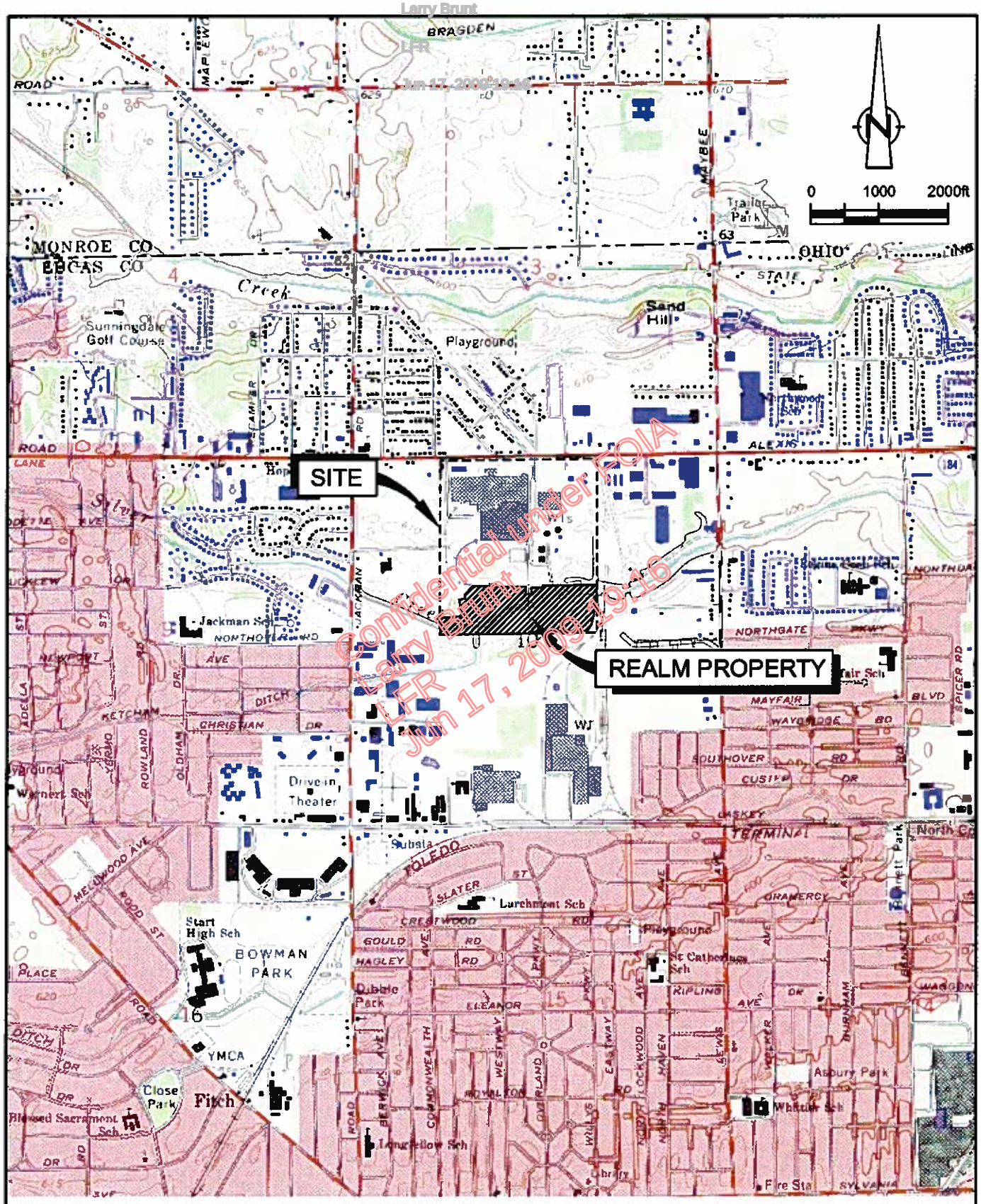
The TSCA Staging Area was lined and isolated for TSCA designated soil excavated from the Southeast Berm and the Former AST Area. Approximately 930 tons of TSCA designated soil from the Southeast Berm and the Former AST Area was sent off-Site for disposal.

Verification soil samples were collected February 6, 2001 from below the TSCA Soil Pile liner to determine if the pile had any impact on the surrounding soil. Figure 2.12.1 presents the locations of the TSCA Soil Pile confirmatory sampling and analysis results. A summary of analytical detections are presented in Table 2.12.1. Complete analytical results, including non-detects, are presented in Appendix I. The data validation memo for the TSCA staging area sample presented in Appendix B.

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SOURCE: USGS QUADRANGLE MAP:
TOLEDO, OHIO-MICHIGAN

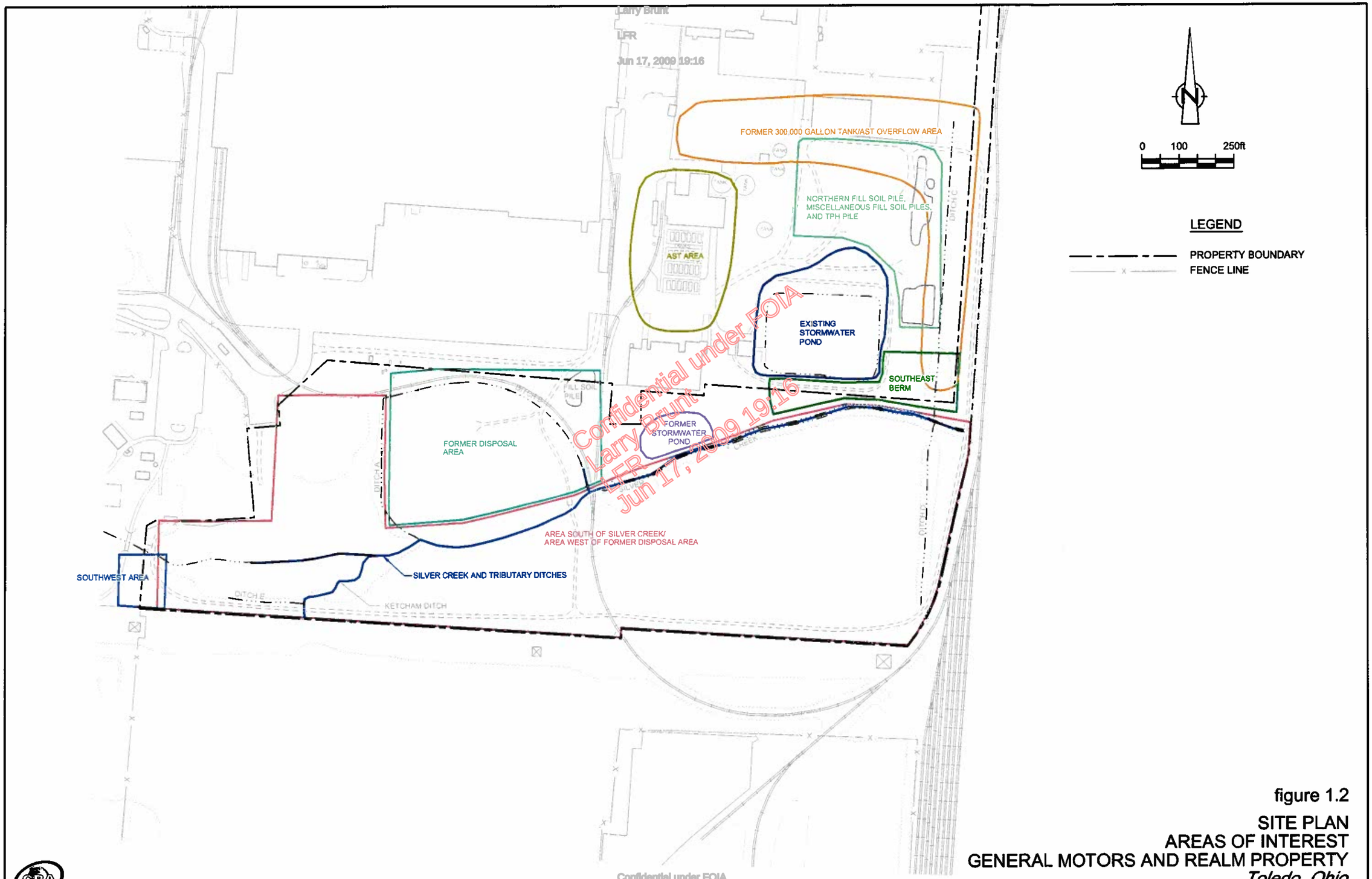
figure 1.1

PLANT LOCATION
REALM PROPERTY
Toledo, Ohio

12609-10(022)GN-WA001 MAY 14/2001

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figure 1.2

SITE PLAN
AREAS OF INTEREST
GENERAL MOTORS AND REALM PROPERTY
Toledo, Ohio

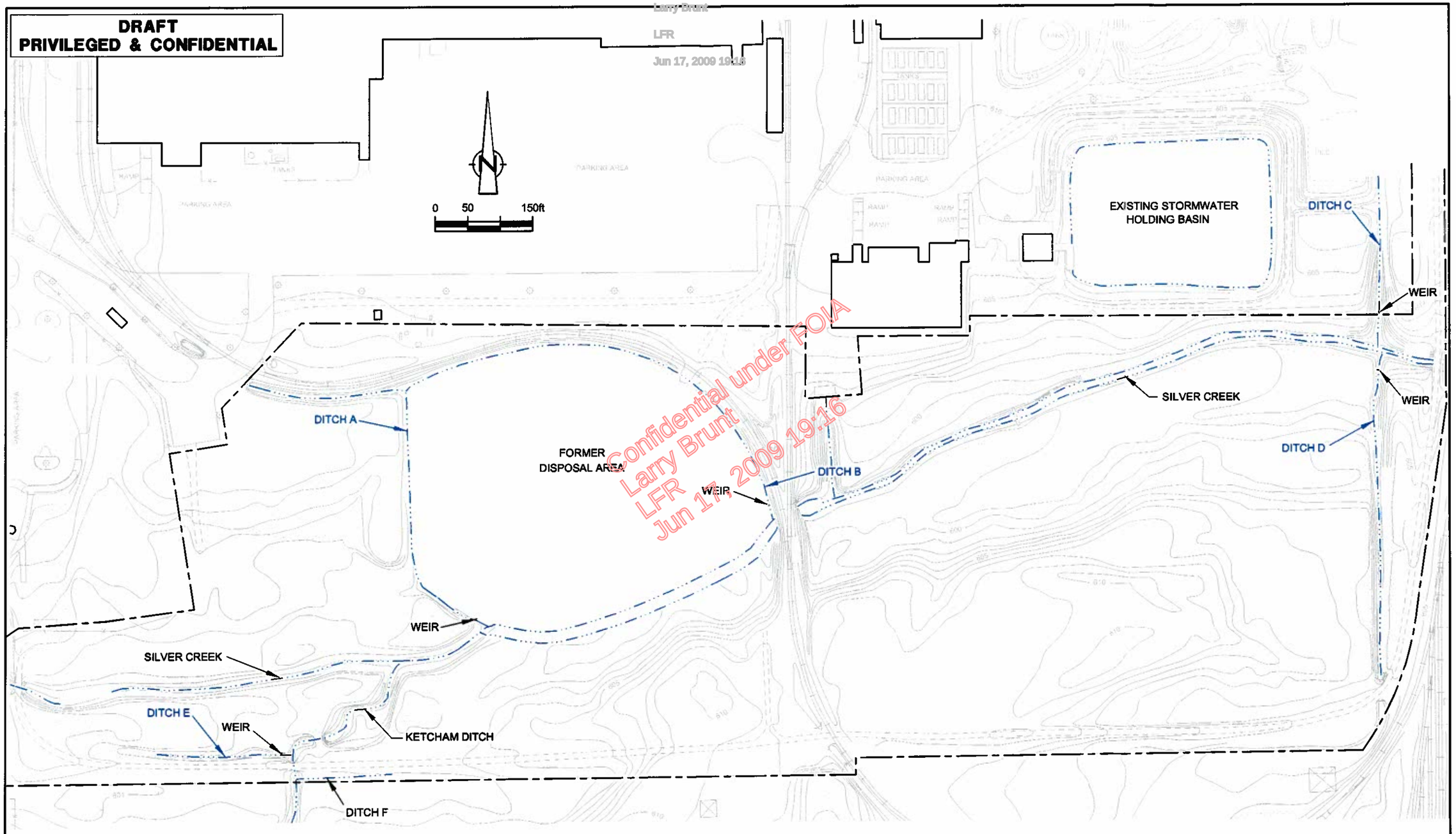
CRA

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SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY

12609-10(022)GN-WA013 MAY 14/2001

figure 1.3

SILVER CREEK AND ON-SITE TRIBUTARY DITCHES
GENERAL MOTORS & REALM PROPERTY
Toledo, Ohio

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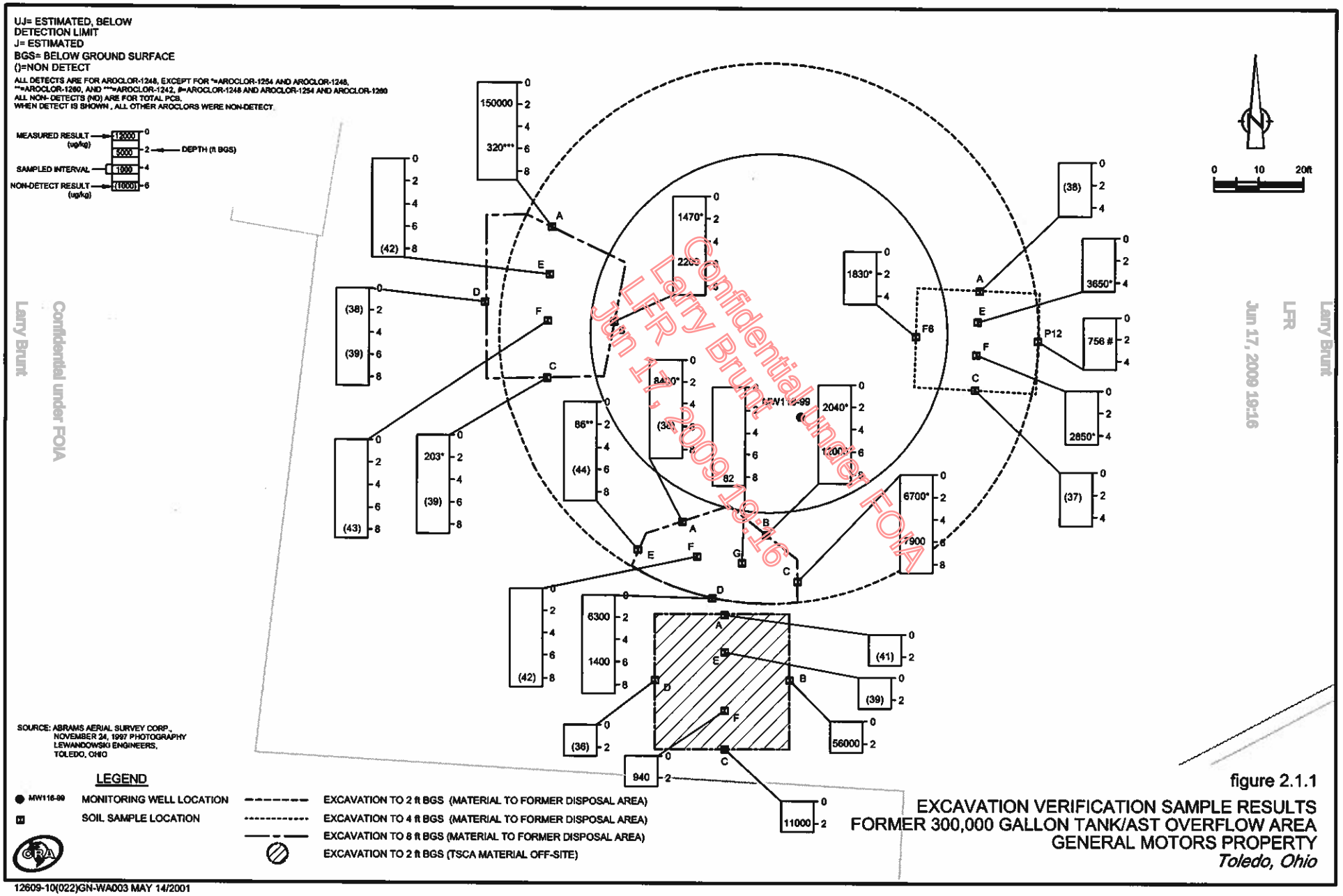


figure 2.1.1

EXCAVATION VERIFICATION SAMPLE RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

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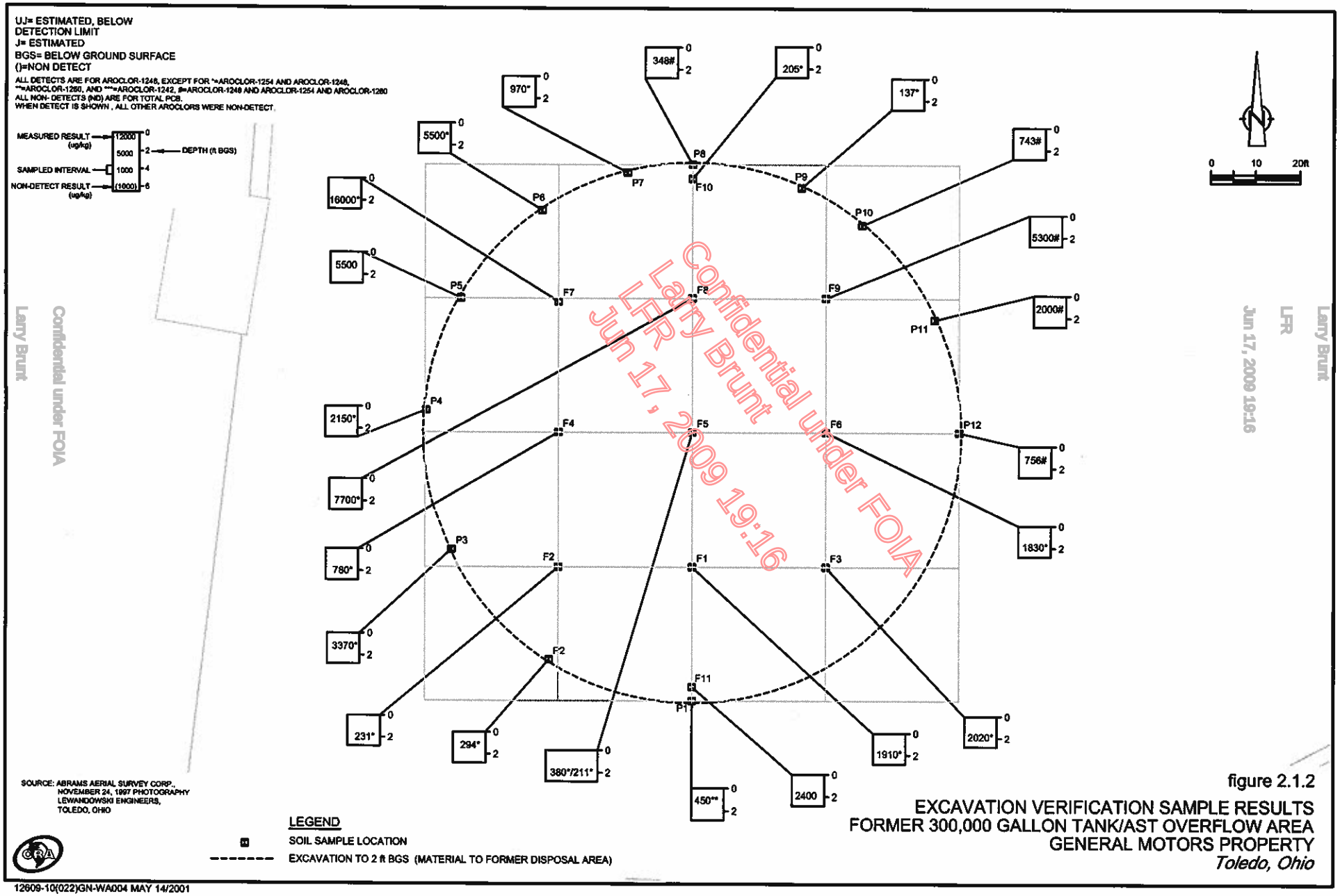


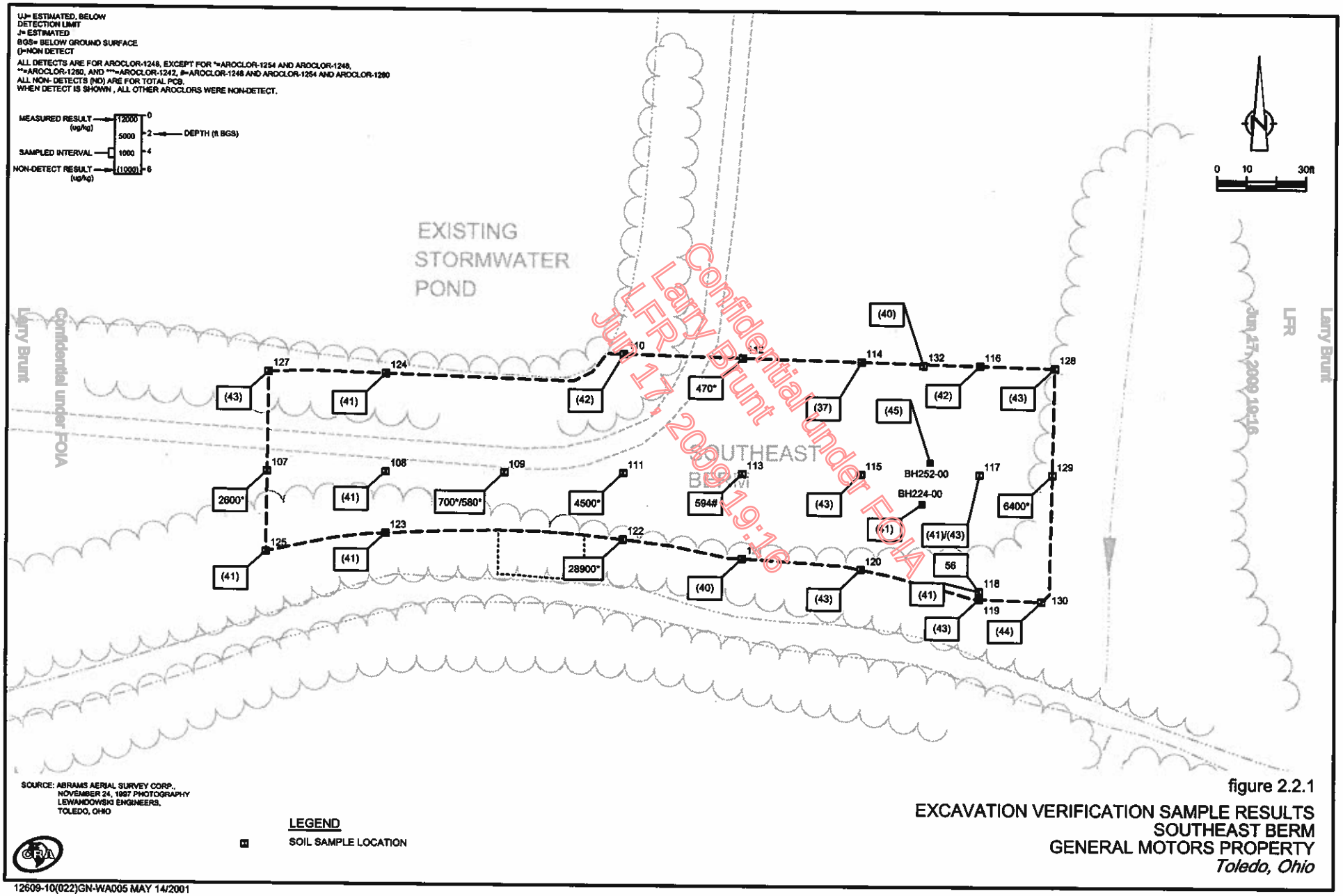
figure 2.1.2

EXCAVATION VERIFICATION SAMPLE RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-10(022)GN-WA004 MAY 14/2001

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SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY LEWANDOWSKI ENGINEERS, TOLEDO, OHIO

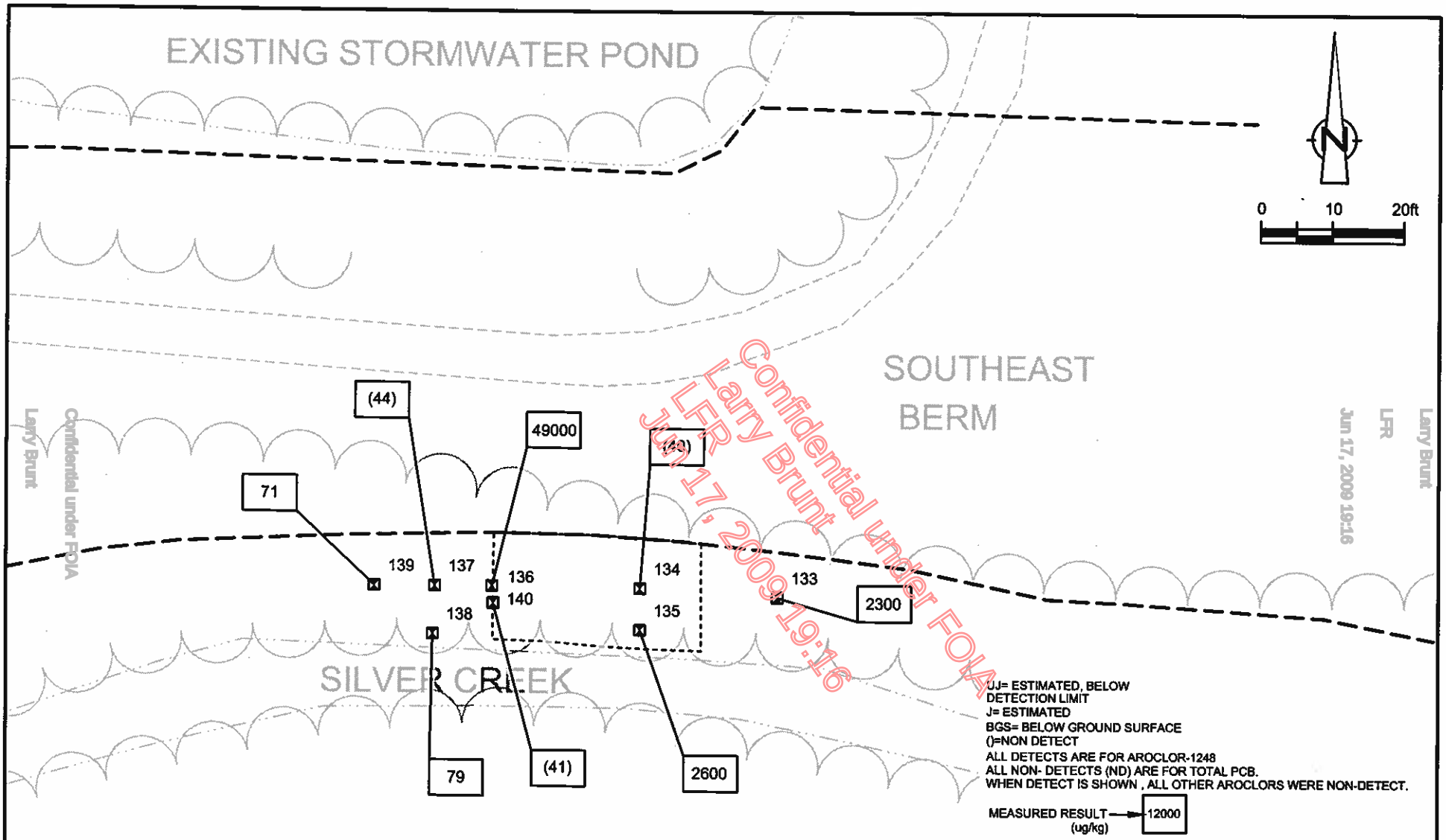
LEGEND

▪ SOIL SAMPLE LOCATION

figure 2.2.1

EXCAVATION VERIFICATION SAMPLE RESULTS
SOUTHEAST BERM
GENERAL MOTORS PROPERTY
Toledo, Ohio

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SOURCES:
ABRAMS AERIAL SURVEY CORP.,
NOVEMBER 24, 1997 PHOTOGRAPHY
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO
DRAWING NO. 35010-GM 9/07/99

LEGEND

SOIL SAMPLE LOCATION

figure 2.2.2

EXCAVATION VERIFICATION SAMPLE RESULTS
SOUTHEAST BERM AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

12609-10(022)GN-WA006 MAY 14/2001

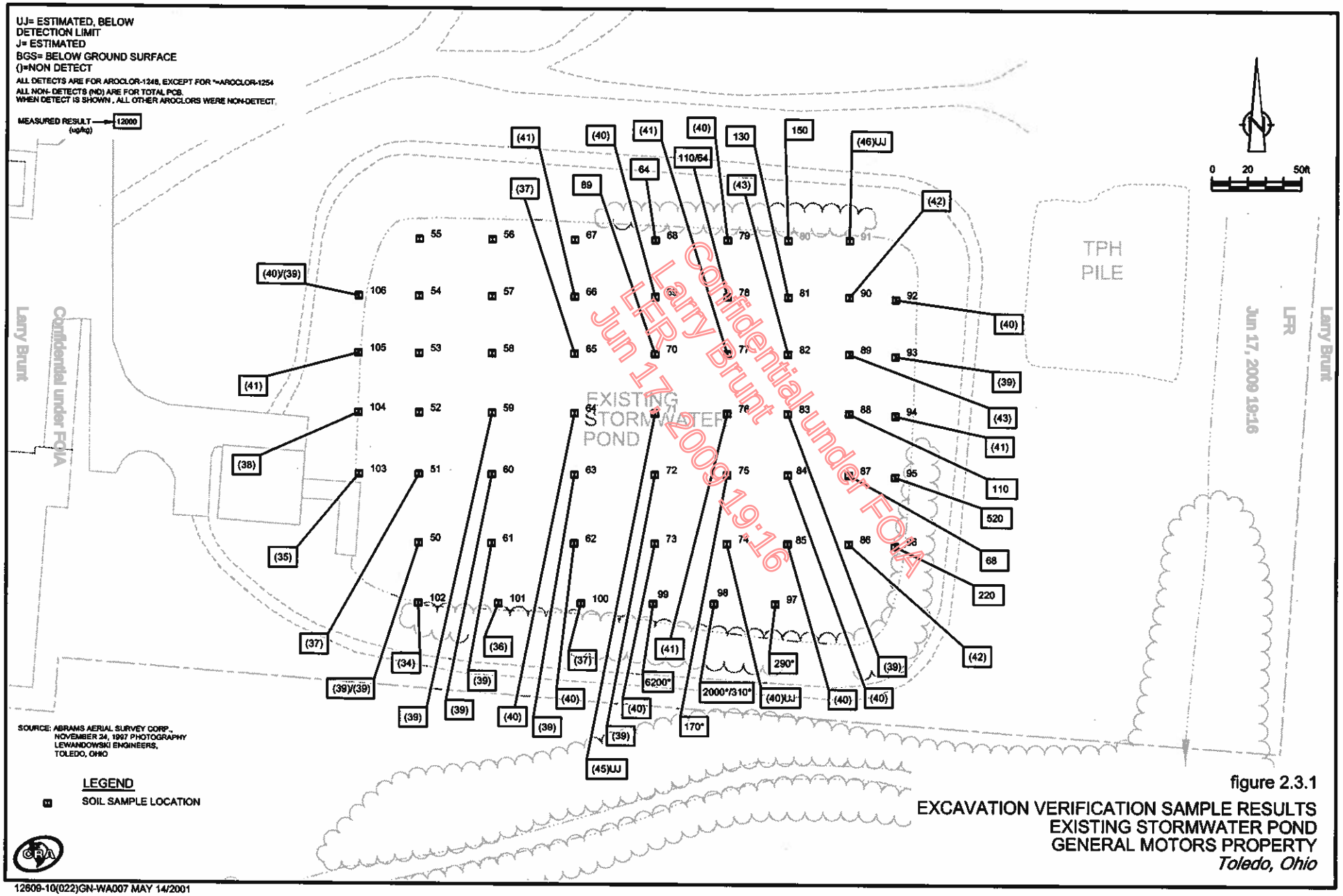
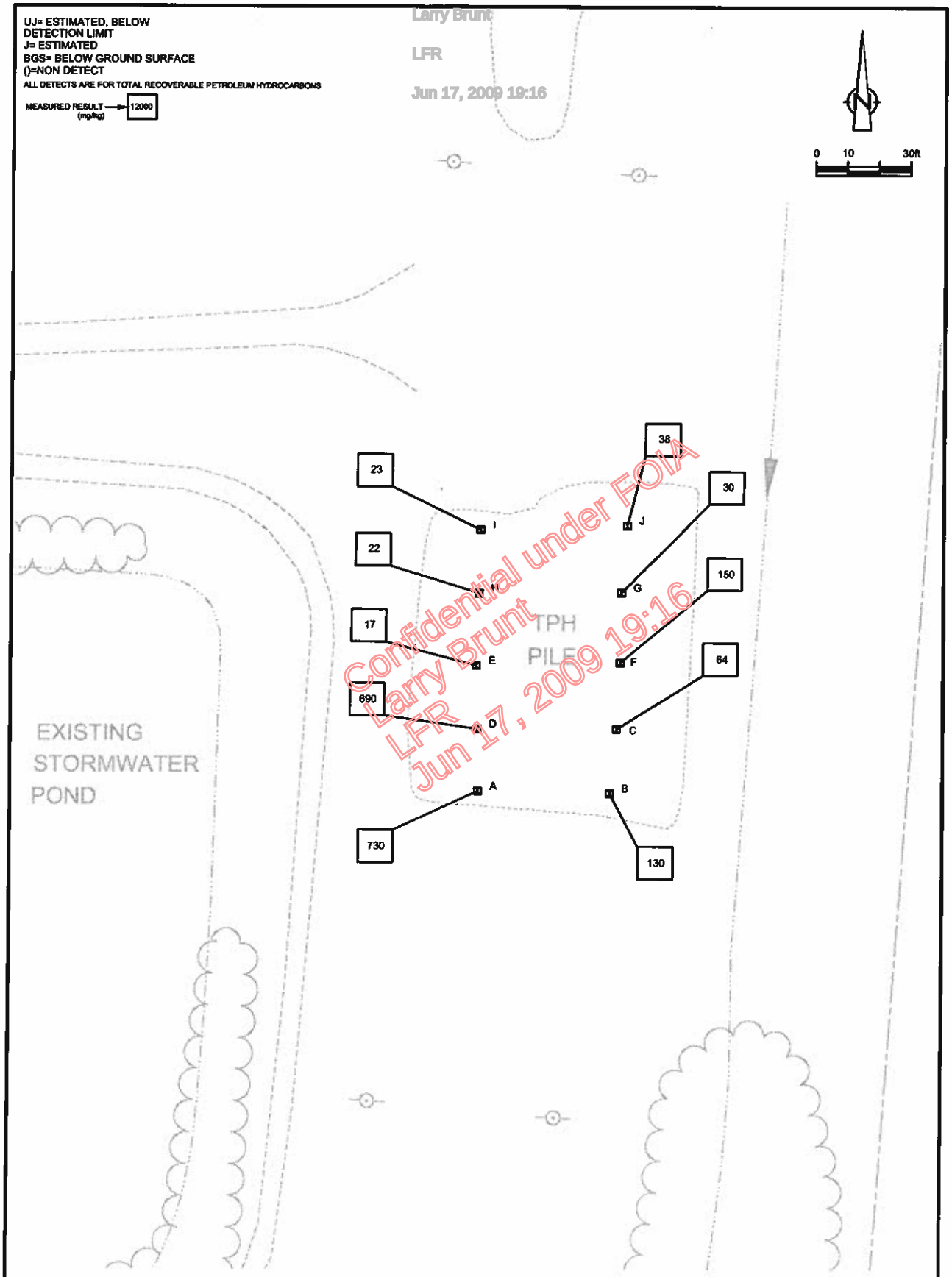


figure 2.3.1

EXCAVATION VERIFICATION SAMPLE RESULTS
EXISTING STORMWATER POND
GENERAL MOTORS PROPERTY
Toledo, Ohio

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J SOIL SAMPLE LOCATION

SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO

figure 2.4.1

EXCAVATION VERIFICATION SAMPLE RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
GENERAL MOTORS PROPERTY
Toledo, Ohio

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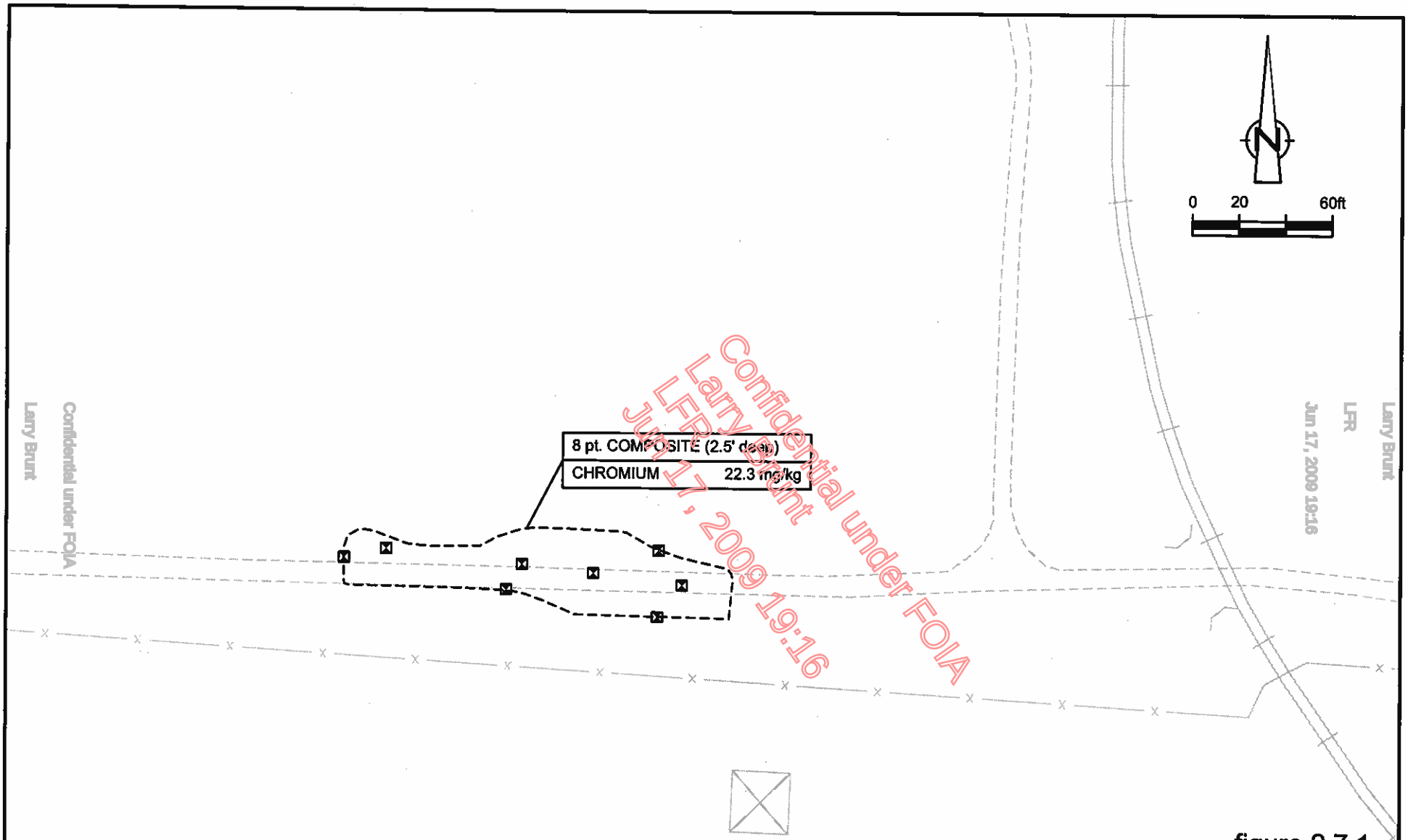


figure 2.7.1

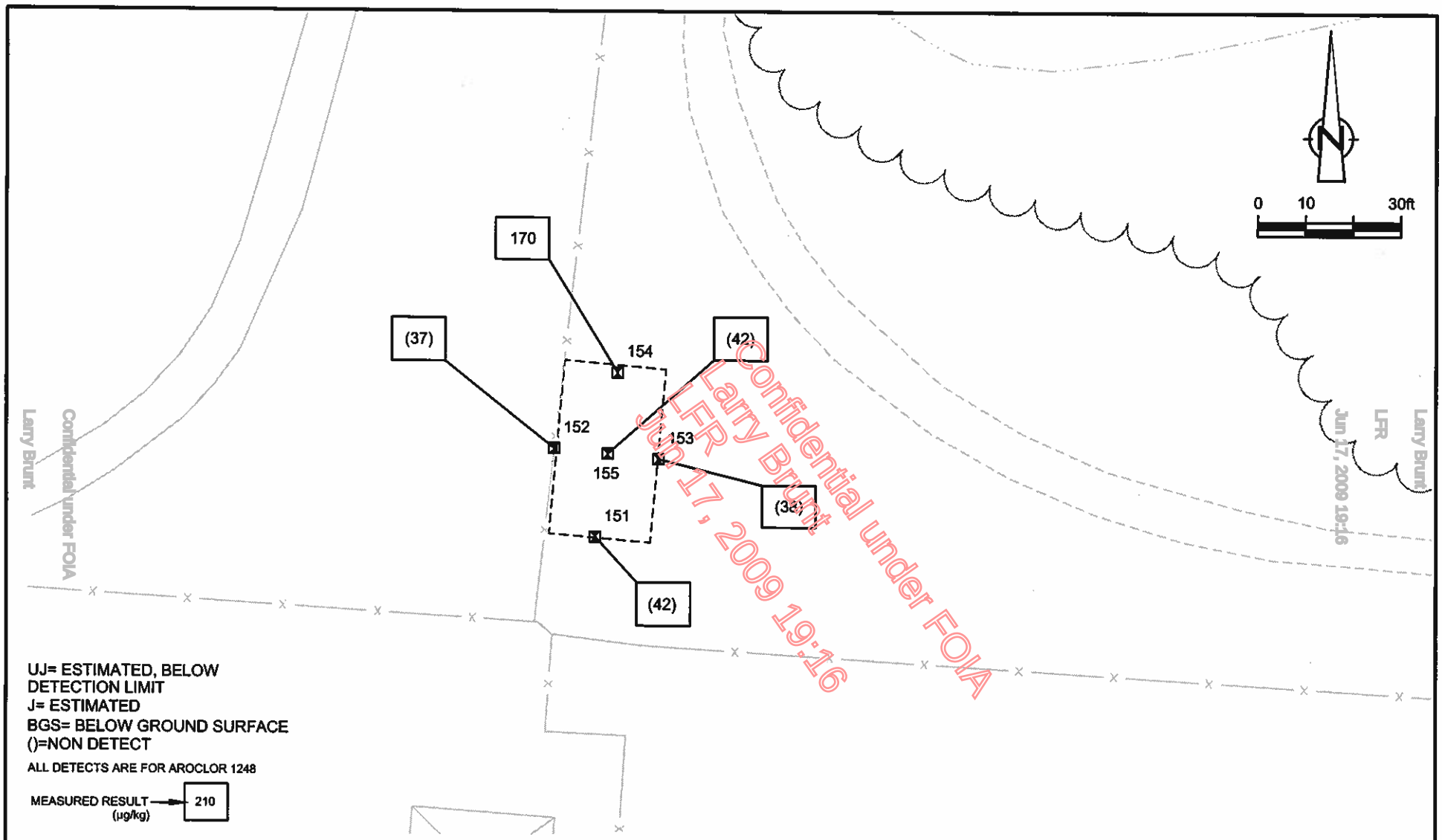
EXCAVATION VERIFICATION SAMPLE RESULTS
AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA
REALM PROPERTY
Toledo, Ohio

LEGEND

SOIL SAMPLE LOCATION

SOURCE: ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY

12609-10(022)GN-WA010 MAY 14/2001



UJ= ESTIMATED, BELOW DETECTION LIMIT
J= ESTIMATED
BGS= BELOW GROUND SURFACE
()=NON DETECT

ALL DETECTS ARE FOR AROCLOR 1248

MEASURED RESULT (µg/kg) → 210

SOURCES:
ABRAMS AERIAL SURVEY CORP., NOVEMBER 24, 1997 PHOTOGRAPHY
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING NO. 35010-GM 9/07/99

LEGEND

- EXCAVATION TO 4 FT BGS
- SOIL SAMPLE LOCATION

figure 2.8.1

EXCAVATION VERIFICATION SAMPLE RESULTS SOUTHWEST AREA REALM PROPERTY

Toledo, Ohio

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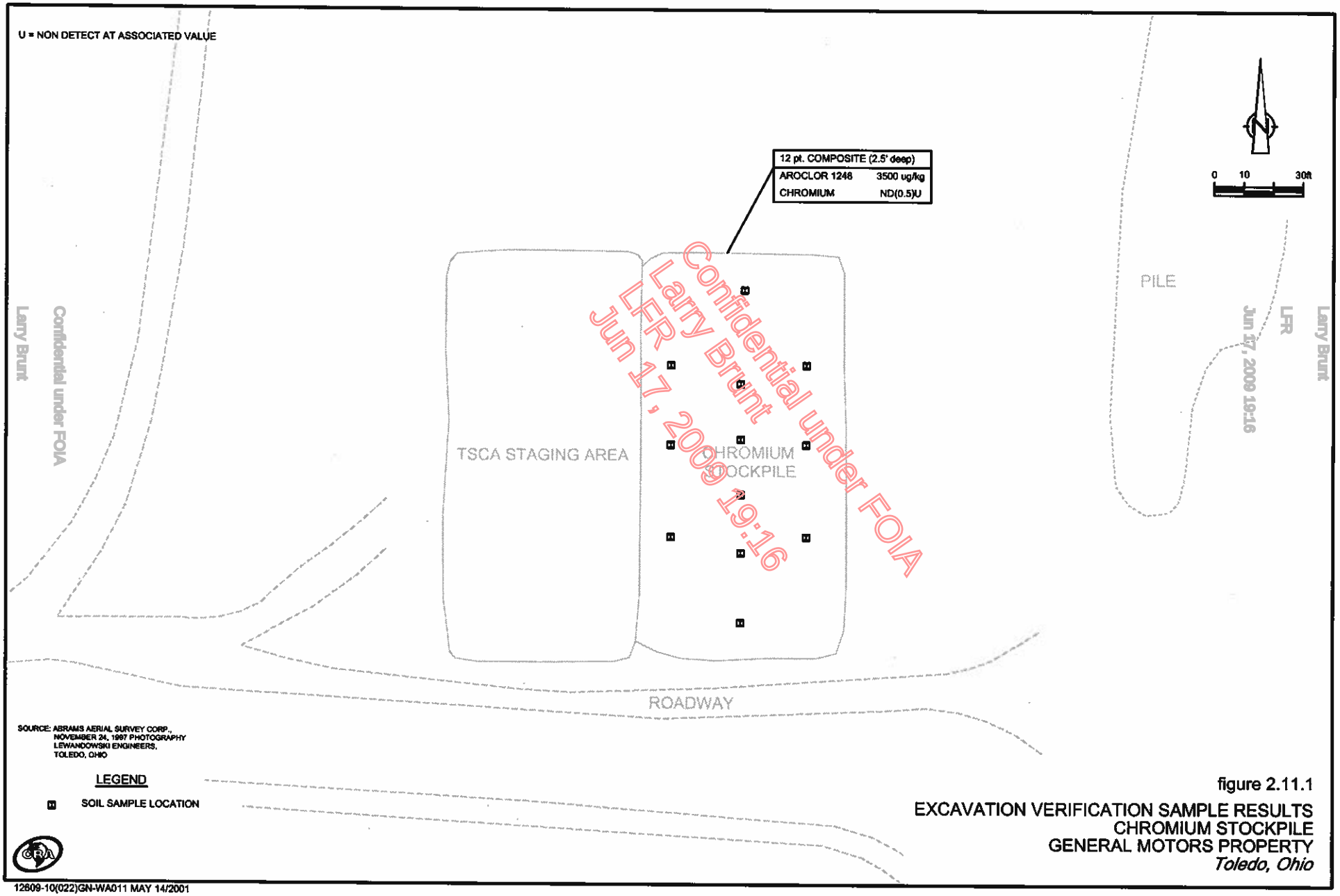


figure 2.11.1
EXCAVATION VERIFICATION SAMPLE RESULTS
CHROMIUM STOCKPILE
GENERAL MOTORS PROPERTY
Toledo, Ohio

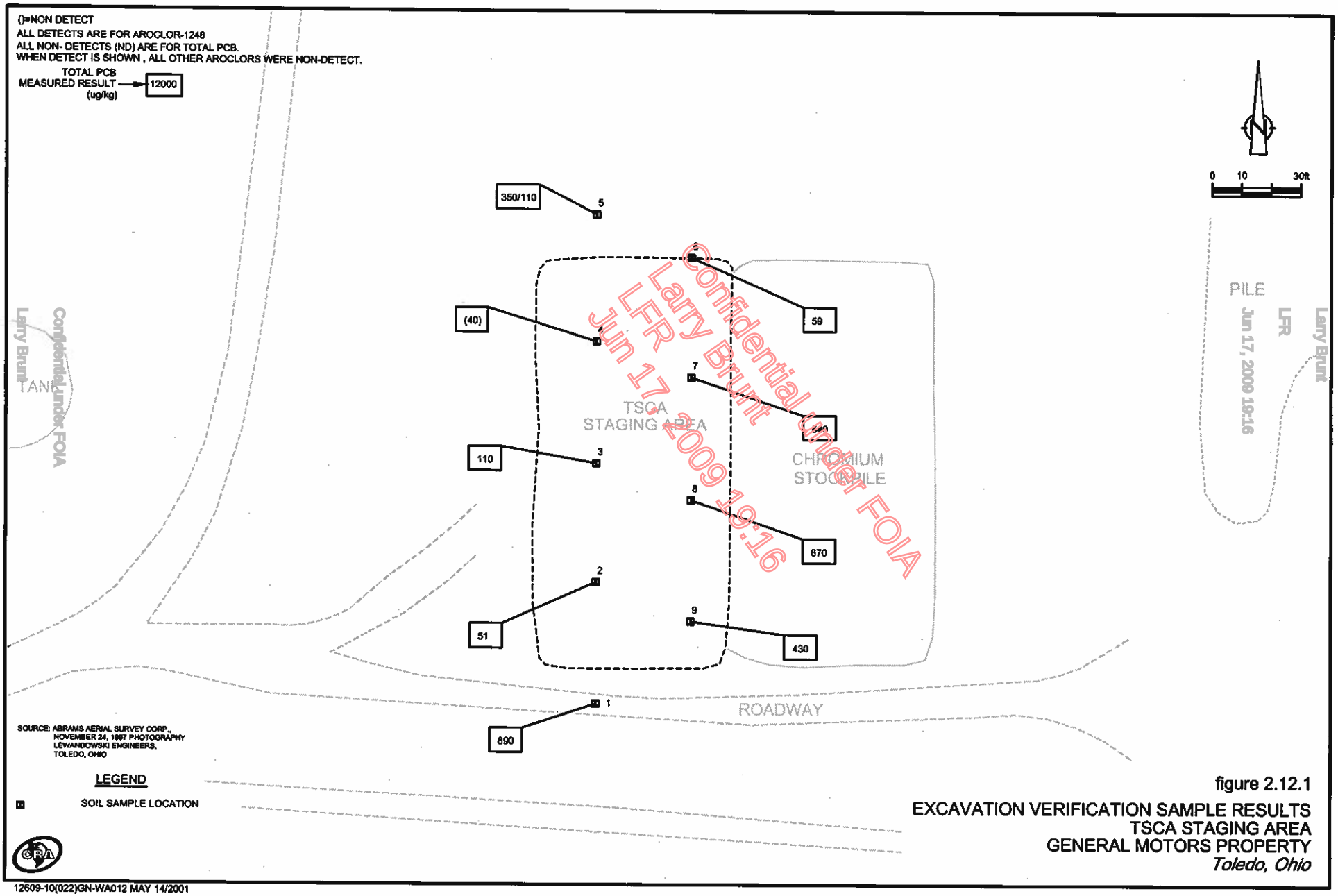


figure 2.12.1

EXCAVATION VERIFICATION SAMPLE RESULTS
TSCA STAGING AREA
GENERAL MOTORS PROPERTY
Toledo, Ohio

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-A 2'*	*AST South 8' exc.-A 6'*	*AST South 8' exc.-B 2'*	*AST South 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1131*	*S-12609-110800-KMB-1132*	*S-12609-110800-KMB-1133*	*S-12609-110800-KMB-1134*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	5200	-	1300	12000
Aroclor-1254	ug/Kg	3200	-	740	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	86.9	87.7	90.6	83.3

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-C 2'*	*AST South 8' exc.-C 6'*	*AST South 8' exc.-D 2'*	*AST South 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1135*	*S-12609-110800-KMB-1136*	*S-12609-110800-KMB-1137*	*S-12609-110800-KMB-1138*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	4200	7900	6300	1400
Aroclor-1254	ug/Kg	2500	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	90.9	89.4	86.5	81.5

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-E 2'*	*AST South 8' exc.-E 6'*	*AST South 8' exc.-F floor*	*AST South 8' exc.-G floor*
Sample ID:		*S-12609-110800-KMB-1139*	*S-12609-110800-KMB-1140*	*S-12609-110800-KMB-1141*	*S-12609-110800-KMB-1142*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	82
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	86	-	-	-
General Chemistry					
Total Solids	%	88.8	74.6	78.0	79.0

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-A 2'*	*AST West 8' exc.-A 6'*	*AST West 8' exc.-B 2'*	*AST West 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1143*	*S-12609-110800-KMB-1144*	*S-12609-110800-KMB-1145*	*S-12609-110800-KMB-1146*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1242	ug/Kg	-	320	-	-
Aroclor-1248	ug/Kg	150000	-	980	2200
Aroclor-1254	ug/Kg	-	-	490	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	82.8	79.0	85.7	80.9

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-C 2'*	*AST West 8' exc.-C 6'*	*AST West 8' exc.-D 2'*	*AST West 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1147*	*S-12609-110800-KMB-1148*	*S-12609-110800-KMB-1149*	*S-12609-110800-KMB-1150*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	130	-	-	-
Aroclor-1254	ug/Kg	73	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	89.0	84.9	86.2	84.0

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-E floor*	*AST West 8' exc.-F floor*	*AST East 4' exc.-C*	*AST East 4' exc.- E*
Sample ID:		*S-12609-110800-KMB-1151*	*S-12609-110800-KMB-1152*	*S-12609-110900-KMB-1160*	*S-12609-110900-KMB-1167*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	-	-	-	2700
Aroclor-1254	ug/Kg	-	-	-	950
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	78.8	77.6	89.1	85.0

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST East 4' exc.-F*	*AST East 4' exc.-A*	*AST East 4' exc.-P12*	*AST East 4' exc.-P1*
Sample ID:		*S-12609-110900-KMB-1168*	*S-12609-110900-KMB-1169*	*S-12609-110900-KMB-1170*	*S-12609-110900-KMB-1172*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	2100	-	370	-
Aroclor-1254	ug/Kg	750	-	320	-
Aroclor-1260	ug/Kg	-	-	66	450
General Chemistry					
Total Solids	%	81.8	87.1	87.8	89.4

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F1*	*AST 2' exc.-F2*	*AST 2' exc.-F3*	*AST 2' exc.-F4*
Sample ID:		*S-12609-110900-KMB-1153*	*S-12609-110900-KMB-1154*	*S-12609-110900-KMB-1155*	*S-12609-110900-KMB-1156*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	1200	170	1200	540
Aroclor-1254	ug/Kg	710	61	820	240
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	91.6	83.5	90.5	88.9

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F5*	*AST 2' exc.-F5*	*AST 2' exc.-F7*	*AST 2' exc.-F8*
Sample ID:		*S-12609-110900-KMB-1157*	*S-12609-110900-KMB-1158*	*S-12609-110900-KMB-1161*	*S-12609-110900-KMB-1162*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
			Duplicate		
Parameter	*Unit*				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	250	140	11000	4900
Aroclor-1254	ug/Kg	130	71	5000	2800
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	90.4	89.3	84.2	86.2

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F9*	*AST 2' exc.-F10*	*AST 2' exc.-F11*	*AST 2' exc.-P10*
Sample ID:		*S-12609-110900-KMB-1163*	*S-12609-110900-KMB-1164*	*S-12609-110900-KMB-1165*	*S-12609-110900-KMB-1166*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	3000	130	2400	160
Aroclor-1254	ug/Kg	1900	75	-	500
Aroclor-1260	ug/Kg	400	-	-	83
General Chemistry					
Total Solids	%	89.1	86.0	92.5	89.2

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P1*	*AST 2' exc.-P8*	*AST 2' exc.-P9*	*AST 2' exc.-P11*
Sample ID:		*S-12609-110900-KMB-1171*	*S-12609-110900-KMB-1173*	*S-12609-110900-KMB-1174*	*S-12609-110900-KMB-1175*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	730	160	82	630
Aroclor-1254	ug/Kg	1100	140	55	1100
Aroclor-1260	ug/Kg	-	28	-	270
General Chemistry					
Total Solids	%	86.2	95.0	88.3	89.1

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P2*	*AST 2' exc.-P3*	*AST 2' exc.-P4*	*AST 2' exc.-P5*
Sample ID:		*S-12609-110900-KMB-1176*	*S-12609-110900-KMB-1177*	*S-12609-110900-KMB-1178*	*S-12609-110900-KMB-1179*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	[illegible]	-	-
Aroclor-1248	ug/Kg	200	2400	1400	5500
Aroclor-1254	ug/Kg	94	970	750	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	94.8	96.6	92.6	93.2

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		***AST 2' exc.-P6***	***AST 2' exc.-P7***	***AST 2' TSCA exc.-North***	***AST 2' TSCA exc.-East***
Sample ID:		***S-12609-110900-KMB-1180***	***S-12609-110900-KMB-1181***	***S-12609-112000-KMB-1184***	***S-12609-112000-KMB-1185***
Sample Date:		***11/9/2000***	***11/9/2000***	***11/20/2000***	***11/20/2000***
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	2300	510	-	56000
Aroclor-1254	ug/Kg	3200	460	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	89.5	93.2	80.1	90.7

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TABLE 2.1.1

SUMMARY OF ANALYTICAL DETECTIONS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' TSCA exc.-South*	*AST 2' TSCA exc.-West*	*AST 2' TSCA exc.-North floor*	*AST 2' TSCA exc.-South floor*
Sample ID:		*S-12609-112000-KMB-1186*	*S-12609-112000-KMB-1187*	*S-12609-112000-KMB-1188*	*S-12609-112000-KMB-1189*
Sample Date:		*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1242	ug/Kg	-	-	-	-
Aroclor-1248	ug/Kg	11000	-	-	940
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	89.4	90.4	84.1	90.0

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TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-115*	*SEBA-113*	*SEBA-111*	*SEBA-110*
Sample ID:		*S-12609-091800-KMB-1079*	*S-12609-092000-KMB-1080*	*S-12609-092000-KMB-1081*	*S-12609-092000-KMB-1082*
Sample Date:		*9/18/2000*	*9/20/2000*	*9/20/2000*	*9/20/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	350	3400	-
Aroclor-1254	ug/Kg	-	200	1100	-
Aroclor-1260	ug/Kg	-	41	-	-
General Chemistry					
Total Solids	%	77.5	83.1	81.2	79.4

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-120*	*SEBASW-121*	*SEBASW-122*	*SEBA-109*
Sample ID:		*S-12609-092000-KMB-1083*	*S-12609-092000-KMB-1084*	*S-12609-092000-KMB-1085*	*S-12609-092100-KMB-1086*
Sample Date:		*9/20/2000*	*9/20/2000*	*9/20/2000*	*9/21/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	-	22000	540
Aroclor-1254	ug/Kg	-	-	6900	160
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	77.6	82.1	81.0	80.1

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-109*	*SEBASW-112*	*SEBASW-114*	*SEBASW-124*
Sample ID:		*S-12609-092100-KMB-1087*	*S-12609-092100-KMB-1088*	*S-12609-092100-KMB-1089*	*S-12609-092500-KMB-1090*
Sample Date:		*9/21/2000*	*9/21/2000*	*9/21/2000*	*9/25/2000*
		Duplicate			
Parameter	*Unit*				
PCBs					
Aroclor-1248	ug/Kg	400	350	-	18000
Aroclor-1254	ug/Kg	180	120	-	5600
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	80.8	83.1	90.0	78.3

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-108*	*SEBA-123*	*SEBASW-126*	*SEBASW-125*
Sample ID:		*S-12609-092500-KMB-1091*	*S-12609-092500-KMB-1092*	*S-12609-092600-KMB-1093*	*S-12609-092600-KMB-1094*
Sample Date:		*9/25/2000*	*9/25/2000*	*9/26/2000*	*9/26/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	-	2000	-
Aroclor-1254	ug/Kg	-	-	600	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	79.7	80.6	82.5	79.6

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-127*	*SEBA-124A*	*SEBA-117*	*SEBASW-129*
Sample ID:		*S-12609-092600-KMB-1095*	*S-12609-092900-KMB-1096*	*S-12609-100200-KMB-1097*	*S-12609-100200-KMB-1098*
Sample Date:		*9/26/2000*	*9/29/2000*	*10/2/2000*	*10/2/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	-	-	4900
Aroclor-1254	ug/Kg	-	-	-	1500
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	77.0	80.2	79.5	84.4

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-117*	*SEBASW-128*	*SEBASW-119*	*SEBA-116*
Sample ID:		*S-12609-100200-KMB-1099*	*S-12609-100200-KMB-1100*	*S-12609-100200-KMB-1101*	*S-12609-100200-KMB-1102*
Sample Date:		*10/2/2000*	*10/2/2000*	*10/2/2000*	*10/2/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1248	ug/Kg	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	77.0	77.4	77.6	79.4

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-130*	*SEBA-118*	*SEBASW-132*	*SEBASW-131*
Sample ID:		*S-12609-100200-KMB-1103*	*S-12609-100200-KMB-1104*	*S-12609-100300-KMB-1105*	*S-12609-100300-KMB-1106*
Sample Date:		*10/2/2000*	*10/2/2000*	*10/3/2000*	*10/3/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	-	56	-
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	75.0	75.5	77.5	82.9

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*BH252-00*	*BH224-00*	*SEBASW-133*	*SEBA-134*
Sample ID:		*S-12609-100300-KMB-1107*	*S-12609-100300-KMB-1108*	*S-12609-101700-KMB-1115*	*S-12609-101700-KMB-1116*
Sample Date:		*10/3/2000*	*10/3/2000*	*10/17/2000*	*10/17/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	-	-	2300	-
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	74.1	80.4	88.9	81.6

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-135*	*SEBASW-136*	*SEBASW-136*	*SEBAF-137*
Sample ID:		*S-12609-101700-KMB-1117*	*S-12609-101700-KMB-1118*	*S-12609-101700-KMB-1119*	*S-12609-103000-KMB-1120*
Sample Date:		*10/17/2000*	*10/17/2000*	*10/17/2000*	*10/30/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1248	ug/Kg	2600	49000	44000	-
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	83.7	83.2	81.8	75.4

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Notes:

- - Not applicable.

TABLE 2.2.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-138*	*SEBASW-139*	*SEBASW-140*	*SEBA -waste composite*
Sample ID:		*S-12609-103000-KMB-1121*	*S-12609-103000-KMB-1122*	*S-12609-103000-KMB-1123*	*S-12609-103000-KMB-1124*
Sample Date:		*10/30/2000*	*10/30/2000*	*10/30/2000*	*10/30/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1248	ug/Kg	79	71	-	-
Aroclor-1254	ug/Kg	-	-	-	-
Aroclor-1260	ug/Kg	-	-	-	-
General Chemistry					
Total Solids	%	77.7	74.2	80.3	78.8

Notes:

- - Not applicable.

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-50*	*SWB-61*	*SWB-62*	*SWB-50*	*SWB-63*
Sample ID:		*S-12609-082900-KMB-1021*	*S-12609-082900-KMB-1022*	*S-12609-082900-KMB-1024*	*S-12609-082900-KMB-1025*	*S-12609-082900-KMB-1026*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	***Unit***					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	85.3	83.8	82.0	84.9	84.9

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-73*	*SWB-72*	*SWB-71*	*SWB-76*	*SWB-60*
Sample ID:		*S-12609-082900-KMB-1027*	*S-12609-082900-KMB-1028*	*S-12609-082900-KMB-1029*	*S-12609-082900-KMB-1030*	*S-12609-082900-KMB-1031*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	82.7	84.9	73.7	81.4	84.5

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-51*	*SWB-59*	*SWB-66*	*SWB-65*	*SWB-64*
Sample ID:		*S-12609-082900-KMB-1032*	*S-12609-082900-KMB-1033*	*S-12609-082900-KMB-1034*	*S-12609-082900-KMB-1035*	*S-12609-082900-KMB-1036*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	88.2	85.7	80.8	88.3	81.8

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-68*	*SWB-69*	*SWB-70*	*SWB-77*	*SWB-78*
Sample ID:		*S-12609-082900-KMB-1037*	*S-12609-082900-KMB-1038*	*S-12609-082900-KMB-1039*	*S-12609-082900-KMB-1040*	*S-12609-082900-KMB-1041 (SOIL)*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	***Unit***					
PCBs						
Aroclor-1248	ug/Kg	64	-	89	-	110
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	77.8	82.7	85.4	80.8	76.6

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-79*	*SWB-81*	*SWB bank-80*	*SWB-82*	*SWB-78*
Sample ID:		*S-12609-082900-KMB-1042*	*S-12609-082900-KMB-1043*	*S-12609-082900-KMB-1044*	*S-12609-082900-KMB-1045*	*S-12609-082900-KMB-1048*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	***Unit***					
PCBs						
Aroclor-1248	ug/Kg	-	130	150	-	64
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	82.7	81.7	78.4	77.4	79.2

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-83*	*SWB-84*	*SWB-85*	*SWB-74*	*SWB-75*
Sample ID:		*S-12609-090500-KMB-1049*	*S-12609-090500-KMB-1050*	*S-12609-090500-KMB-1051*	*S-12609-090500-KMB-1052*	*S-12609-090500-KMB-1053*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	170
General Chemistry						
Total Solids	%	84.8	83.3	83.1	82.1	80.3

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-91*	*SWB-90*	*SWB-89*	*SWB bank-92*	*SWB bank-93*
Sample ID:		*S-12609-090500-KMB-1054*	*S-12609-090500-KMB-1055*	*S-12609-090500-KMB-1056*	*S-12609-090500-KMB-1057*	*S-12609-090500-KMB-1058*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	72.2	79.3	76.6	82.9	84.9

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-97*	*SWB bank-98*	*SWB bank-99*	*SWB bank-100*	*SWB bank-101*
Sample ID:		*S-12609-090500-KMB-1059*	*S-12609-090500-KMB-1060*	*S-12609-090500-KMB-1061*	*S-12609-090500-KMB-1062*	*S-12609-090500-KMB-1063*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	***Unit***					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	290	2000	6200	-	-
General Chemistry						
Total Solids	%	90.7	86.2	86.6	88.6	91.6

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-98*	*SWB bank-102*	*SWB bank-103*	*SWB bank-104*	*SWB bank-105*
Sample ID:		*S-12609-090500-KMB-1064*	*S-12609-090500-KMB-1065*	*S-12609-090500-KMB-1066*	*S-12609-090500-KMB-1067*	*S-12609-090500-KMB-1068*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
		Duplicate				
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	-	-	-
Aroclor-1254	ug/Kg	310	-	-	-	-
General Chemistry						
Total Solids	%	87.6	96.6	95.6	85.9	79.9

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-106*	*SWB bank-106*	*SWB-88*	*SWB bank-94*	*SWB-87*
Sample ID:		*S-12609-090500-KMB-1069*	*S-12609-090500-KMB-1070*	*S-12609-091300-KMB-1073*	*S-12609-091300-KMB-1074*	*S-12609-091300-KMB-1075*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/13/2000*	*9/13/2000*	*9/13/2000*
			Duplicate			
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/Kg	-	-	110	-	68
Aroclor-1254	ug/Kg	-	-	-	-	-
General Chemistry						
Total Solids	%	83.3	85.1	74.9	79.9	72.4

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TABLE 2.3.1

SUMMARY OF ANALYTICAL DETECTIONS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-95*	*SWB-86*	*SWB bank-96*
Sample ID:		*S-12609-091300-KMB-1076*	*S-12609-091800-KMB-1077*	*S-12609-091800-KMB-1078*
Sample Date:		*9/13/2000*	*9/18/2000*	*9/18/2000*
Parameter	***Unit***			
PCBs				
Aroclor-1248	ug/Kg	520	-	220
Aroclor-1254	ug/Kg	-	-	-
General Chemistry				
Total Solids	%	80.6	79.3	84.5

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TABLE 2.4.1

SUMMARY OF ANALYTICAL RESUTLS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
TOLEDO, OHIO

Sample Location:		*TPH Pile-Nova I 149*	*TPH Pile-J 150*	*TPH Pile-H 148*
Sample ID:		*S-12609-101800-KMB-1109*	*S-12609-101800-KMB-1110*	*S-12609-101800-KMB-1111*
Sample Date:		*10/18/2000*	*10/18/2000*	*10/18/2000*
Parameter	***Unit***			
Total Solids	%	84.7	83.9	89.5
Total Recoverable Petroleum Hydrocarbons	mg/Kg	23	38	22

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TABLE 2.4.1

SUMMARY OF ANALYTICAL RESUTLS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
TOLEDO, OHIO

Sample Location:		*TPH Pile-G 147*	*TPH Pile-E 145*	*TPH Pile-F 146*	*TPH Pile-A 141*
Sample ID:		*S-12609-101800-KMB-1112*	*S-12609-101800-KMB-1113*	*S-12609-101800-KMB-1114*	*S-12609-101800-KMB-1120*
Sample Date:		*10/18/2000*	*10/18/2000*	*10/18/2000*	*10/18/2000*
Parameter	***Unit***				
Total Solids	%	90.3	90.7	90.5	94.8
Total Recoverable Petroleum Hydrocarbons	mg/Kg	30	17	150	730

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TABLE 2.4.1

SUMMARY OF ANALYTICAL RESUTLS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
TOLEDO, OHIO

Sample Location:		***TPH Pile-B 142***	***TPH Pile-C 143***	***TPH Pile-D 144***
Sample ID:		***S-12609-101800-KMB-1121***	***S-12609-101800-KMB-1122***	***S-12609-101800-KMB-1123***
Sample Date:		***10/18/2000***	***10/18/2000***	***10/18/2000***
Parameter	***Unit***			
Total Solids	%	93.4	89.9	96.5
Total Recoverable Petroleum Hydrocarbons	mg/Kg	230	64	690

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TABLE 2.7.1

SUMMARY OF ANALYTICAL DETECTIONS
AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA
TOLEDO, OHIO

Sample Location:		***Chromium Area-8 pt. Composite***
Sample ID:		***S-12609-111800-KMB-1182***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
Metals		
Aluminum	mg/Kg	3970
Arsenic	mg/Kg	4.4
Barium	mg/Kg	28.2
Calcium	mg/Kg	2650
Chromium	mg/Kg	22.3
Copper	mg/Kg	12.7
Iron	mg/Kg	6940
Lead	mg/Kg	3.5
Magnesium	mg/Kg	1310
Manganese	mg/Kg	63.0
Nickel	mg/Kg	7.4
Vanadium	mg/Kg	11.1
Zinc	mg/Kg	18.3
General Chemistry		
Total Solids	%	88.5

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TABLE 2.8.1

SUMMARY OF ANALYTICAL DETECTIONS
SOUTHWEST AREA
TOLEDO, OHIO

Sample Location:		*SW CORNER-151*	*SW CORNER-152*	*SW CORNER-153*	*SW CORNER-155*	*SW CORNER-154*	*SW CORNER-waste composite*
Sample ID:		*S-12609-110100-KMB-1125*	*S-12609-110100-KMB-1126*	*S-12609-110100-KMB-1127*	*S-12609-110100-KMB-1128*	*S-12609-110100-KMB-1129*	*S-12609-110100-KMB-1130*
Sample Date:		*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*
Parameter	*Unit*						
PCBs							
Aroclor-1248	ug/Kg	-	-	-	-	170	-
General Chemistry							
Total Solids	%	78.3	89.8	86.2	78.4	84.5	76.5

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TABLE 2.11.1

SUMMARY OF ANALYTICAL DETECTIONS
CHROMIUM STOCKPILE
TOLEDO, OHIO

Sample Location:		***Chromium stockpile-12 pt. Comp***
Sample ID:		***S-12609-111800-KMB-1183***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
PCBs		
Aroclor-1248	ug/Kg	3500
RCRA Characteristics		
Ignitability	deg f	180 >
General Chemistry		
Total Solids	%	89.3
pH Corrosivity	s.u.	9.1

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Notes:

> - Greater than reported value.

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TABLE 2.12.1

SUMMARY OF ANALYTICAL DETECTIONS
TSCA STAGING AREA
TOLEDO, OHIO

Sample Location:		*TSCA Staging Area 1*	*TSCA Staging Area 2*	*TSCA Staging Area 3*	*TSCA Staging Area 4*	*TSCA Staging Area 5*
Sample ID:		*S-12609-020601-KMB-1191*	*S-12609-020601-KMB-1192*	*S-12609-020601-KMB-1193*	*S-12609-020601-KMB-1194*	*S-12609-020601-KMB-1195*
Sample Date:		*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/kg	890	51	110	-	350
General Chemistry						
Total Solids	percent	76.5	82.0	89.2	82.2	80.1

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Notes:

- - Not applicable.

TABLE 2.12.1

SUMMARY OF ANALYTICAL DETECTIONS
TSCA STAGING AREA
TOLEDO, OHIO

Sample Location:		*TSCA Staging Area 6*	*TSCA Staging Area 7*	*TSCA Staging Area 8*	*TSCA Staging Area 5*	*TSCA Staging Area 9*
Sample ID:		*S-12609-020601-KMB-1196*	*S-12609-020601-KMB-1197*	*S-12609-020601-KMB-1198*	*S-12609-020601-KMB-1199*	*S-12609-020601-KMB-1200*
Sample Date:		*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*
Parameter	*Unit*					
PCBs						
Aroclor-1248	ug/kg	59	540	670	110	430
General Chemistry						
Total Solids	percent	87.3	82.2	84.6	78.3	84.3

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Notes:

- - Not applicable.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS - FORMER 300,000-GALLON TANK / ASP OVERFLOW AREA

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-A 2'*	*AST South 8' exc.-A 6'*	*AST South 8' exc.-B 2'*	*AST South 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1131*	*S-12609-110800-KMB-1132*	*S-12609-110800-KMB-1133*	*S-12609-110800-KMB-1134*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1221	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1232	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1242	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1248	ug/Kg	5200	ND (38)	1300	12000
Aroclor-1254	ug/Kg	3200	ND (38)	740	ND (2000)
Aroclor-1260	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
General Chemistry					
Total Solids	%	86.9	87.7	90.6	83.3

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-C 2'*	*AST South 8' exc.-C 6'*	*AST South 8' exc.-D 2'*	*AST South 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1135*	*S-12609-110800-KMB-1136*	*S-12609-110800-KMB-1137*	*S-12609-110800-KMB-1138*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1221	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1232	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1242	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1248	ug/Kg	4200	7900	6300	1400
Aroclor-1254	ug/Kg	2500	ND (1500)	ND (760)	ND (200)
Aroclor-1260	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
General Chemistry					
Total Solids	%	90.9	89.4	86.5	81.5

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-E 2'*	*AST South 8' exc.-E 6'*	*AST South 8' exc.-F floor*	*AST South 8' exc.-G floor*
Sample ID:		*S-12609-110800-KMB-1139*	*S-12609-110800-KMB-1140*	*S-12609-110800-KMB-1141*	*S-12609-110800-KMB-1142*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1221	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1232	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1242	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1248	ug/Kg	ND (37)	ND (44)	ND (42)	82
Aroclor-1254	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1260	ug/Kg	86	ND (44)	ND (42)	ND (42)
General Chemistry					
Total Solids	%	88.8	74.6	78.0	79.0

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-A 2'*	*AST West 8' exc.-A 6'*	*AST West 8' exc.-B 2'*	*AST West 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1143*	*S-12609-110800-KMB-1144*	*S-12609-110800-KMB-1145*	*S-12609-110800-KMB-1146*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1221	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1232	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1242	ug/Kg	ND (8000)	320	ND (190)	ND (200)
Aroclor-1248	ug/Kg	150000	ND (42)	980	2200
Aroclor-1254	ug/Kg	ND (8000)	ND (42)	490	ND (200)
Aroclor-1260	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
General Chemistry					
Total Solids	%	82.8	79.0	85.7	80.9

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-C 2'*	*AST West 8' exc.-C 6'*	*AST West 8' exc.-D 2'*	*AST West 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1147*	*S-12609-110800-KMB-1148*	*S-12609-110800-KMB-1149*	*S-12609-110800-KMB-1150*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1221	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1232	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1242	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1248	ug/Kg	130	ND (39)	ND (38)	ND (39)
Aroclor-1254	ug/Kg	73	ND (39)	ND (38)	ND (39)
Aroclor-1260	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
General Chemistry					
Total Solids	%	89.0	84.9	86.2	84.0

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-E floor*	*AST West 8' exc.-F floor*	*AST East 4' exc.-C*	*AST East 4' exc.- E*
Sample ID:		*S-12609-110800-KMB-1151*	*S-12609-110800-KMB-1152*	*S-12609-110900-KMB-1160*	*S-12609-110900-KMB-1167*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1221	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1232	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1242	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1248	ug/Kg	ND (42)	ND (43)	ND (37)	2700
Aroclor-1254	ug/Kg	ND (42)	ND (43)	ND (37)	950
Aroclor-1260	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
General Chemistry					
Total Solids	%	78.8	77.6	89.1	85.0

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Notes:
ND - Non-detect at associated value.

APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		***AST East 4' exc.-F***	***AST East 4' exc.-A***	***AST East 4' exc.-P12***	***AST East 4' exc.-P1***
Sample ID:		***S-12609-110900-KMB-1168***	***S-12609-110900-KMB-1169***	***S-12609-110900-KMB-1170***	***S-12609-110900-KMB-1172***
Sample Date:		***11/9/2000***	***11/9/2000***	***11/9/2000***	***11/9/2000***
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1221	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1232	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1242	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1248	ug/Kg	2100	ND (38)	370	ND (180)
Aroclor-1254	ug/Kg	750	ND (38)	320	ND (180)
Aroclor-1260	ug/Kg	ND (200)	ND (38)	66	450
General Chemistry					
Total Solids	%	81.8	87.1	87.8	89.4

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F1*	*AST 2' exc.-F2*	*AST 2' exc.-F3*	*AST 2' exc.-F4*
Sample ID:		*S-12609-110900-KMB-1153*	*S-12609-110900-KMB-1154*	*S-12609-110900-KMB-1155*	*S-12609-110900-KMB-1156*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1221	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1232	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1242	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1248	ug/Kg	1200	170	1200	540
Aroclor-1254	ug/Kg	710	61	820	240
Aroclor-1260	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
General Chemistry					
Total Solids	%	91.6	83.3	90.5	88.9

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F5*	*AST 2' exc.-F5*	*AST 2' exc.-F7*	*AST 2' exc.-F8*
Sample ID:		*S-12609-110900-KMB-1157*	*S-12609-110900-KMB-1158*	*S-12609-110900-KMB-1161*	*S-12609-110900-KMB-1162*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
			Duplicate		
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1221	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1232	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1242	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1248	ug/Kg	250	140	11000	4900
Aroclor-1254	ug/Kg	130	71	5000	2800
Aroclor-1260	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
General Chemistry					
Total Solids	%	90.4	84.3	84.2	86.2

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F9*	*AST 2' exc.-F10*	*AST 2' exc.-F11*	*AST 2' exc.-P10*
Sample ID:		*S-12609-110900-KMB-1163*	*S-12609-110900-KMB-1164*	*S-12609-110900-KMB-1165*	*S-12609-110900-KMB-1166*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1221	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1232	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1242	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1248	ug/Kg	3000	130	2400	160
Aroclor-1254	ug/Kg	1900	75	ND (180)	500
Aroclor-1260	ug/Kg	400	ND (38)	ND (180)	83
General Chemistry					
Total Solids	%	89.1	86.4	92.5	89.2

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P1*	*AST 2' exc.-P8*	*AST 2' exc.-P9*	*AST 2' exc.-P11*
Sample ID:		*S-12609-110900-KMB-1171*	*S-12609-110900-KMB-1173*	*S-12609-110900-KMB-1174*	*S-12609-110900-KMB-1175*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1221	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1232	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1242	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1248	ug/Kg	730	160	82	630
Aroclor-1254	ug/Kg	1100	140	55	1100
Aroclor-1260	ug/Kg	ND (190)	48	ND (37)	270
General Chemistry					
Total Solids	%	86.2	95.0	88.3	89.1

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P2*	*AST 2' exc.-P3*	*AST 2' exc.-P4*	*AST 2' exc.-P5*
Sample ID:		*S-12609-110900-KMB-1176*	*S-12609-110900-KMB-1177*	*S-12609-110900-KMB-1178*	*S-12609-110900-KMB-1179*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1221	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1232	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1242	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1248	ug/Kg	200	2400	1400	5500
Aroclor-1254	ug/Kg	94	970	750	ND (350)
Aroclor-1260	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
General Chemistry					
Total Solids	%	94.8	96.6	92.6	93.2

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P6*	*AST 2' exc.-P7*	*AST 2' TSCA exc.-North*	*AST 2' TSCA exc.-East*
Sample ID:		*S-12609-110900-KMB-1180*	*S-12609-110900-KMB-1181*	*S-12609-112000-KMB-1184*	*S-12609-112000-KMB-1185*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/20/2000*	*11/20/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1221	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1232	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1242	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1248	ug/Kg	2300	510	ND (41)	56000
Aroclor-1254	ug/Kg	3200	460	ND (41)	ND (3600)
Aroclor-1260	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
General Chemistry					
Total Solids	%	89.5	93.2	80.1	90.7

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' TSCA exc.-South*	*AST 2' TSCA exc.-West*	*AST 2' TSCA exc.-North floor*	*AST 2' TSCA exc.-South floor*
Sample ID:		*S-12609-112000-KMB-1186*	*S-12609-112000-KMB-1187*	*S-12609-112000-KMB-1188*	*S-12609-112000-KMB-1189*
Sample Date:		*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1221	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1232	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1242	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1248	ug/Kg	11000	ND (36)	ND (39)	940
Aroclor-1254	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1260	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
General Chemistry					
Total Solids	%	89.4	99.4	84.1	90.0

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS - FORMER 300,000 GALLON TANK / ASF OVERFLOW AREA

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-A 2'*	*AST South 8' exc.-A 6'*	*AST South 8' exc.-B 2'*	*AST South 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1131*	*S-12609-110800-KMB-1132*	*S-12609-110800-KMB-1133*	*S-12609-110800-KMB-1134*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1221	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1232	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1242	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
Aroclor-1248	ug/Kg	5200	ND (38)	1300	12000
Aroclor-1254	ug/Kg	3200	ND (38)	740	ND (2000)
Aroclor-1260	ug/Kg	ND (760)	ND (38)	ND (180)	ND (2000)
General Chemistry					
Total Solids	%	86.9	87.7	90.6	83.3

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-C 2'*	*AST South 8' exc.-C 6'*	*AST South 8' exc.-D 2'*	*AST South 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1135*	*S-12609-110800-KMB-1136*	*S-12609-110800-KMB-1137*	*S-12609-110800-KMB-1138*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1221	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1232	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1242	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
Aroclor-1248	ug/Kg	4200	7900	6300	1400
Aroclor-1254	ug/Kg	2500	ND (1500)	ND (760)	ND (200)
Aroclor-1260	ug/Kg	ND (730)	ND (1500)	ND (760)	ND (200)
General Chemistry					
Total Solids	%	90.9	89.4	86.5	81.5

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST South 8' exc.-E 2'*	*AST South 8' exc.-E 6'*	*AST South 8' exc.-F floor*	*AST South 8' exc.-G floor*
Sample ID:		*S-12609-110800-KMB-1139*	*S-12609-110800-KMB-1140*	*S-12609-110800-KMB-1141*	*S-12609-110800-KMB-1142*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1221	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1232	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1242	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1248	ug/Kg	ND (37)	ND (44)	ND (42)	82
Aroclor-1254	ug/Kg	ND (37)	ND (44)	ND (42)	ND (42)
Aroclor-1260	ug/Kg	86	ND (44)	ND (42)	ND (42)
General Chemistry					
Total Solids	%	88.8	74.6	78.0	79.0

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-A 2'*	*AST West 8' exc.-A 6'*	*AST West 8' exc.-B 2'*	*AST West 8' exc.-B 6'*
Sample ID:		*S-12609-110800-KMB-1143*	*S-12609-110800-KMB-1144*	*S-12609-110800-KMB-1145*	*S-12609-110800-KMB-1146*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1221	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1232	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
Aroclor-1242	ug/Kg	ND (8000)	320	ND (190)	ND (200)
Aroclor-1248	ug/Kg	150000	ND (42)	980	2200
Aroclor-1254	ug/Kg	ND (8000)	ND (42)	490	ND (200)
Aroclor-1260	ug/Kg	ND (8000)	ND (42)	ND (190)	ND (200)
General Chemistry					
Total Solids	%	82.8	79.0	85.7	80.9

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-C 2'*	*AST West 8' exc.-C 6'*	*AST West 8' exc.-D 2'*	*AST West 8' exc.-D 6'*
Sample ID:		*S-12609-110800-KMB-1147*	*S-12609-110800-KMB-1148*	*S-12609-110800-KMB-1149*	*S-12609-110800-KMB-1150*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/8/2000*	*11/8/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1221	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1232	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1242	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
Aroclor-1248	ug/Kg	130	ND (39)	ND (38)	ND (39)
Aroclor-1254	ug/Kg	73	ND (39)	ND (38)	ND (39)
Aroclor-1260	ug/Kg	ND (37)	ND (39)	ND (38)	ND (39)
General Chemistry					
Total Solids	%	89.0	84.9	86.2	84.0

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST West 8' exc.-E floor*	*AST West 8' exc.-F floor*	*AST East 4' exc.-C*	*AST East 4' exc.- E*
Sample ID:		*S-12609-110800-KMB-1151*	*S-12609-110800-KMB-1152*	*S-12609-110900-KMB-1160*	*S-12609-110900-KMB-1167*
Sample Date:		*11/8/2000*	*11/8/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1221	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1232	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1242	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
Aroclor-1248	ug/Kg	ND (42)	ND (43)	ND (37)	2700
Aroclor-1254	ug/Kg	ND (42)	ND (43)	ND (37)	950
Aroclor-1260	ug/Kg	ND (42)	ND (43)	ND (37)	ND (390)
General Chemistry					
Total Solids	%	78.8	77.6	89.1	85.0

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Notes:
ND - Non-detect at associated value.

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST East 4' exc.-F*	*AST East 4' exc.-A*	*AST East 4' exc.-P12*	*AST East 4' exc.-P1*
Sample ID:		*S-12609-110900-KMB-1168*	*S-12609-110900-KMB-1169*	*S-12609-110900-KMB-1170*	*S-12609-110900-KMB-1172*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1221	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1232	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1242	ug/Kg	ND (200)	ND (38)	ND (38)	ND (180)
Aroclor-1248	ug/Kg	2100	ND (38)	370	ND (180)
Aroclor-1254	ug/Kg	750	ND (38)	320	ND (180)
Aroclor-1260	ug/Kg	ND (200)	ND (38)	66	450
General Chemistry					
Total Solids	%	81.8	87.1	87.8	89.4

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F1*	*AST 2' exc.-F2*	*AST 2' exc.-F3*	*AST 2' exc.-F4*
Sample ID:		*S-12609-110900-KMB-1153*	*S-12609-110900-KMB-1154*	*S-12609-110900-KMB-1155*	*S-12609-110900-KMB-1156*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1221	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1232	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1242	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
Aroclor-1248	ug/Kg	1200	170	1200	540
Aroclor-1254	ug/Kg	710	61	820	240
Aroclor-1260	ug/Kg	ND (72)	ND (40)	ND (110)	ND (37)
General Chemistry					
Total Solids	%	91.6	83.5	90.5	88.9

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F5*	*AST 2' exc.-F5*	*AST 2' exc.-F7*	*AST 2' exc.-F8*
Sample ID:		*S-12609-110900-KMB-1157*	*S-12609-110900-KMB-1158*	*S-12609-110900-KMB-1161*	*S-12609-110900-KMB-1162*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
			Duplicate		
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1221	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1232	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1242	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
Aroclor-1248	ug/Kg	250	140	11000	4900
Aroclor-1254	ug/Kg	130	71	5000	2800
Aroclor-1260	ug/Kg	ND (36)	ND (37)	ND (1200)	ND (770)
General Chemistry					
Total Solids	%	90.4	85.3	84.2	86.2

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-F9*	*AST 2' exc.-F10*	*AST 2' exc.-F11*	*AST 2' exc.-P10*
Sample ID:		*S-12609-110900-KMB-1163*	*S-12609-110900-KMB-1164*	*S-12609-110900-KMB-1165*	*S-12609-110900-KMB-1166*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1221	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1232	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1242	ug/Kg	ND (370)	ND (38)	ND (180)	ND (37)
Aroclor-1248	ug/Kg	3000	130	2400	160
Aroclor-1254	ug/Kg	1900	75	ND (180)	500
Aroclor-1260	ug/Kg	400	ND (38)	ND (180)	83
General Chemistry					
Total Solids	%	89.1	85.3	92.5	89.2

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P1*	*AST 2' exc.-P8*	*AST 2' exc.-P9*	*AST 2' exc.-P11*
Sample ID:		*S-12609-110900-KMB-1171*	*S-12609-110900-KMB-1173*	*S-12609-110900-KMB-1174*	*S-12609-110900-KMB-1175*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1221	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1232	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1242	ug/Kg	ND (190)	ND (35)	ND (37)	ND (190)
Aroclor-1248	ug/Kg	730	160	82	630
Aroclor-1254	ug/Kg	1100	140	55	1100
Aroclor-1260	ug/Kg	ND (190)	48	ND (37)	270
General Chemistry					
Total Solids	%	86.2	95.6	88.3	89.1

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P2*	*AST 2' exc.-P3*	*AST 2' exc.-P4*	*AST 2' exc.-P5*
Sample ID:		*S-12609-110900-KMB-1176*	*S-12609-110900-KMB-1177*	*S-12609-110900-KMB-1178*	*S-12609-110900-KMB-1179*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/9/2000*	*11/9/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1221	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1232	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1242	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
Aroclor-1248	ug/Kg	200	2400	1400	5500
Aroclor-1254	ug/Kg	94	970	750	ND (350)
Aroclor-1260	ug/Kg	ND (35)	ND (170)	ND (140)	ND (350)
General Chemistry					
Total Solids	%	94.8	96.6	92.6	93.2

Notes:
ND - Non-detect at associated value.

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SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' exc.-P6*	*AST 2' exc.-P7*	*AST 2' TSCA exc.-North*	*AST 2' TSCA exc.-East*
Sample ID:		*S-12609-110900-KMB-1180*	*S-12609-110900-KMB-1181*	*S-12609-112000-KMB-1184*	*S-12609-112000-KMB-1185*
Sample Date:		*11/9/2000*	*11/9/2000*	*11/20/2000*	*11/20/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1221	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1232	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1242	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
Aroclor-1248	ug/Kg	2300	510	ND (41)	56000
Aroclor-1254	ug/Kg	3200	460	ND (41)	ND (3600)
Aroclor-1260	ug/Kg	ND (370)	ND (35)	ND (41)	ND (3600)
General Chemistry					
Total Solids	%	89.5	93.2	80.1	90.7

Notes:
ND - Non-detect at associated value.

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APPENDIX A

SUMMARY OF ANALYTICAL RESULTS
FORMER 300,000 GALLON TANK/AST OVERFLOW AREA
TOLEDO, OHIO

Sample Location:		*AST 2' TSCA exc.-South*	*AST 2' TSCA exc.-West*	*AST 2' TSCA exc.-North floor*	*AST 2' TSCA exc.-South floor*
Sample ID:		*S-12609-112000-KMB-1186*	*S-12609-112000-KMB-1187*	*S-12609-112000-KMB-1188*	*S-12609-112000-KMB-1189*
Sample Date:		*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1221	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1232	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1242	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1248	ug/Kg	11000	ND (36)	ND (39)	940
Aroclor-1254	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
Aroclor-1260	ug/Kg	ND (740)	ND (36)	ND (39)	ND (370)
General Chemistry					
Total Solids	%	89.4	98.4	84.1	90.0

Notes:
ND - Non-detect at associated value.

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APPENDIX B

DATA VALIDATION MEMOS

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MEMORANDUM

TO: Ian Richardson

REF. NO.: 12609

FROM: Mary Cameron/mc/26/Det. mc

DATE: March 29, 2001

RE: Data Quality Assessment and Validation
GMPT Toledo Site
Toledo, Ohio

The following details a quality assessment and validation of the analytical data resulting from the August, September, October and November 2000 collection of 186 soil samples from the GMPT Toledo Site in Toledo, Ohio. The sample summary detailing sample identification, sample location, quality control sample, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories in North Canton, Ohio and in Pittsburgh, Pennsylvania (STL) in accordance with the methodologies presented in Table 2. The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP).[1]

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Holding Time Period and Sample Analysis

The holding time periods are presented in Table 3. The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by STL, were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no laboratory-attributable contamination occurred.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) or LCS duplicate (LCSD) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The sample results that should be qualified due to violation of LCS percent recovery criteria are identified and qualified in Table 4. The laboratory reported two (2) sets of PCB results prepared at different preparation dates. The reporting limits and results for the 11/3/00 preparation date should not be reported. The reporting limits and results for the 11/7/00 preparation date should be reported. The remaining LCS and LCSD percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

[1] Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994

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Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The sample analyses that violated surrogate acceptance criteria are identified and qualified in Table 5. The surrogate recoveries could not be measured for several samples due to dilutions required to successfully analyze the samples. No further qualification was required. The remaining surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The MS/MSD percent recoveries and associated RPDs acceptance criteria were met for all analyses.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of four (4) field blanks (rinsate) samples, and four (4) field duplicate sample sets.

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To assess the efficiency of field decontamination procedures, three (3) rinsate samples (identified in Table 1) were collected and analyzed for PCB. No targeted analytes were reported as detected in the rinsate samples.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. Table 6 summarizes the results of the detected analytes in the field duplicate sample sets. The relative percent difference between the investigative sample and the duplicate sample collected (samples S-12609-090500-KMB-1060 and S-12609-090500-KMB-1064) is greater than five times the sample's concentration and represents a significant difference. No qualification of data is required. The data may be used with caution. The remainder of the data indicates that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-082900-KMB-1021	Stormwater Basin	50	Soil	—	PCB
S-12609-082900-KMB-1022	Stormwater Basin	61	Soil	—	PCB
S-12609-082900-KMB-1024	Stormwater Basin	62	Soil	—	PCB
S-12609-082900-KMB-1025	Stormwater Basin	50	Soil	—	PCB
S-12609-082900-KMB-1026	Stormwater Basin	63	Soil	—	PCB
S-12609-082900-KMB-1027	Stormwater Basin	73	Soil	—	PCB
S-12609-082900-KMB-1028	Stormwater Basin	72	Soil	—	PCB
S-12609-082900-KMB-1029	Stormwater Basin	71	Soil	—	PCB
S-12609-082900-KMB-1030	Stormwater Basin	76	Soil	—	PCB
S-12609-082900-KMB-1031	Stormwater Basin	60	Soil	—	PCB
S-12609-082900-KMB-1032	Stormwater Basin	51	Soil	—	PCB
S-12609-082900-KMB-1033	Stormwater Basin	59	Soil	—	PCB
S-12609-082900-KMB-1034	Stormwater Basin	66	Soil	—	PCB
S-12609-082900-KMB-1035	Stormwater Basin	65	Soil	—	PCB
S-12609-082900-KMB-1036	Stormwater Basin	64	Soil	—	PCB
S-12609-082900-KMB-1037	Stormwater Basin bank	68	Soil	—	PCB
S-12609-082900-KMB-1038	Stormwater Basin	69	Soil	—	PCB
S-12609-082900-KMB-1039	Stormwater Basin	70	Soil	—	PCB
S-12609-082900-KMB-1040	Stormwater Basin	77	Soil	—	PCB
S-12609-082900-KMB-1041	Stormwater Basin	78	Soil	—	PCB
S-12609-082900-KMB-1041	—	—	Water	Rinsate	PCB
S-12609-082900-KMB-1042	Stormwater Basin bank	79	Soil	—	PCB
S-12609-082900-KMB-1043	Stormwater Basin	81	Soil	—	PCB
S-12609-082900-KMB-1044	Stormwater Basin bank	80	Soil	—	PCB
S-12609-082900-KMB-1045	Stormwater Basin	82	Soil	—	PCB
S-12609-082900-KMB-1046	Stormwater Basin	82	Soil	MS/MSD	PCB
S-12609-082900-KMB-1047	Stormwater Basin	82	Soil	MS/MSD	PCB
S-12609-082900-KMB-1048	Stormwater Basin	78	Soil	—	PCB
S-12609-090500-KMB-1049	Stormwater Basin	83	Soil	—	PCB
S-12609-090500-KMB-1050	Stormwater Basin	84	Soil	—	PCB
S-12609-090500-KMB-1051	Stormwater Basin	85	Soil	—	PCB
S-12609-090500-KMB-1052	Stormwater Basin	74	Soil	—	PCB

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-090500-KMB-1053	Stormwater Basin	75	Soil	---	PCB
S-12609-090500-KMB-1054	Stormwater Basin bank	91	Soil	---	PCB
S-12609-090500-KMB-1055	Stormwater Basin	90	Soil	---	PCB
S-12609-090500-KMB-1056	Stormwater Basin	89	Soil	---	PCB
S-12609-090500-KMB-1057	Stormwater Basin bank	92	Soil	---	PCB
S-12609-090500-KMB-1058	Stormwater Basin bank	93	Soil	---	PCB
S-12609-090500-KMB-1059	Stormwater Basin bank	97	Soil	---	PCB
S-12609-090500-KMB-1060	Stormwater Basin bank	98	Soil	---	PCB
S-12609-090500-KMB-1061	Stormwater Basin bank	99	Soil	---	PCB
S-12609-090500-KMB-1062	Stormwater Basin bank	100	Soil	---	PCB
S-12609-090500-KMB-1063	Stormwater Basin bank	101	Soil	---	PCB
S-12609-090500-KMB-1064	Stormwater Basin bank	98	Soil	Duplicate of 1060	PCB
S-12609-090500-KMB-1064	—	---	Water	Rinsate	PCB
S-12609-090500-KMB-1065	Stormwater Basin bank	102	Soil	---	PCB
S-12609-090500-KMB-1066	Stormwater Basin bank	103	Soil	---	PCB
S-12609-090500-KMB-1067	Stormwater Basin bank	104	Soil	---	PCB
S-12609-090500-KMB-1068	Stormwater Basin bank	105	Soil	---	PCB
S-12609-090500-KMB-1069	Stormwater Basin bank	106	Soil	---	PCB
S-12609-090500-KMB-1070	Stormwater Basin bank	106	Soil	Duplicate of 1069	PCB
S-12609-090500-KMB-1071	Stormwater Basin bank	106	Soil	---	PCB
S-12609-090500-KMB-1072	Stormwater Basin bank	106	Soil	MS	PCB
S-12609-091300-KMB-1073	Stormwater Basin	88	Soil	MSD	PCB
S-12609-091300-KMB-1074	Stormwater Basin bank	94	Soil	---	PCB
S-12609-091300-KMB-1075	Stormwater Basin	87	Soil	---	PCB
S-12609-091300-KMB-1076	Stormwater Basin bank	95	Soil	---	PCB
S-12609-091800-KMB-1077	Stormwater Basin	86	Soil	---	PCB
W-12609-091800-KMB-1077	—	—	Water	Rinsate	PCB
S-12609-091800-KMB-1078	Stormwater Basin bank	96	Soil	---	PCB
S-12609-091800-KMB-1079	Southeast Berm Area	115	Soil	---	PCB
S-12609-092000-KMB-1080	Southeast Berm Area	113	Soil	---	PCB
S-12609-092000-KMB-1081	Southeast Berm Area	111	Soil	---	PCB
S-12609-092000-KMB-1082	Southeast Berm Area	110	Soil	---	PCB

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-092000-KMB-1083	Southeast Berm Area SW	120	Soil	---	PCB
S-12609-092000-KMB-1084	Southeast Berm Area SW	121	Soil	---	PCB
S-12609-092000-KMB-1085	Southeast Berm Area SW	122	Soil	---	PCB
S-12609-092100-KMB-1086	Southeast Berm Area	109	Soil	---	PCB
S-12609-092100-KMB-1087	Southeast Berm Area	109	Soil	Duplicate of 1086	PCB
S-12609-092100-KMB-1088	Southeast Berm Area SW	112	Soil	---	PCB
S-12609-092100-KMB-1089	Southeast Berm Area SW	114	Soil	---	PCB
S-12609-092500-KMB-1090	Southeast Berm Area SW	124	Soil	---	PCB
S-12609-092500-KMB-1091	Southeast Berm Area	108	Soil	---	PCB
S-12609-092500-KMB-1092	Southeast Berm Area	123	Soil	---	PCB
S-12609-092600-KMB-1093	Southeast Berm Area SW	126	Soil	---	PCB
S-12609-092600-KMB-1094	Southeast Berm Area SW	125	Soil	---	PCB
S-12609-092600-KMB-1095	Southeast Berm Area SW	127	Soil	---	PCB
S-12609-092900-KMB-1096	Southeast Berm Area	124A	Soil	---	PCB
S-12609-100200-KMB-1097	Southeast Berm Area	117	Soil	---	PCB
S-12609-100200-KMB-1098	Southeast Berm Area SW	128	Soil	---	PCB
S-12609-100200-KMB-1099	Southeast Berm Area	117	Soil	---	PCB
S-12609-100200-KMB-1100	Southeast Berm Area SW	129	Soil	---	PCB
S-12609-100200-KMB-1101	Southeast Berm Area SW	119	Soil	---	PCB
S-12609-100200-KMB-1102	Southeast Berm Area	116	Soil	---	PCB
S-12609-100200-KMB-1103	Southeast Berm Area SW	130	Soil	---	PCB
S-12609-100200-KMB-1104	Southeast Berm Area	118	Soil	---	PCB
S-12609-100300-KMB-1105	Southeast Berm Area SW	132	Soil	---	PCB
S-12609-100300-KMB-1106	Southeast Berm Area SW	131	Soil	---	PCB
S-12609-100300-KMB-1107	---	BH252	Soil	---	PCB
S-12609-100300-KMB-1108	---	BH224	Soil	---	PCB
S-12609-101700-KMB-1115	Southeast Berm Area SW	133	Soil	---	PCB
S-12609-101700-KMB-1116	Southeast Berm Area	134	Soil	---	PCB
S-12609-101700-KMB-1117	Southeast Berm Area SW	135	Soil	---	PCB
S-12609-101700-KMB-1118	Southeast Berm Area SW	136	Soil	---	PCB
S-12609-101700-KMB-1119	Southeast Berm Area SW	136	Soil	MS/MSD	PCB
S-12609-103000-KMB-1120	Southeast Berm Area F	137	Soil	---	PCB

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-103000-KMB-1121	Southeast Berm Area SW	138	Soil	---	PCB
S-12609-103000-KMB-1122	Southeast Berm Area SW	139	Soil	---	PCB
S-12609-103000-KMB-1123	Southeast Berm Area SW	140	Soil	---	PCB
S-12609-103000-KMB-1124	Southeast Berm Area	Composite	Soil	---	PCB
S-12609-101800-KMB-1109	TPH Pile	Nova I 149	Soil	---	TPH
S-12609-101800-KMB-1110	TPH Pile	Nova J 150	Soil	---	TPH
S-12609-101800-KMB-1111	TPH Pile	Nova H 148	Soil	---	TPH
S-12609-101800-KMB-1112	TPH Pile	Nova G 147	Soil	---	TPH
S-12609-101800-KMB-1113	TPH Pile	Nova E 145	Soil	---	TPH
S-12609-101800-KMB-1114	TPH Pile	Nova F 146	Soil	---	TPH
S-12609-101800-KMB-1120	TPH Pile	Nova A 141	Soil	---	TPH
S-12609-101800-KMB-1121	TPH Pile	Nova B 142	Soil	---	TPH
S-12609-101800-KMB-1122	TPH Pile	Nova C 143	Soil	---	TPH
S-12609-101800-KMB-1123	TPH Pile	Nova D 144	Soil	---	TPH
S-12609-110100-KMB-1125	SW Corner	151	Soil	---	PCB
S-12609-110100-KMB-1126	SW Corner	152	Soil	---	PCB
S-12609-110100-KMB-1127	SW Corner	153	Soil	---	PCB
S-12609-110100-KMB-1128	SW Corner	155	Soil	---	PCB
S-12609-110100-KMB-1129	SW Corner	154	Soil	---	PCB
S-12609-110100-KMB-1130	SW Corner	Composite	Soil	---	PCB
S-12609-110800-KMB-1131	AST South 8' exc.	A2'	Soil	---	PCB
S-12609-110800-KMB-1132	AST South 8' exc.	A6'	Soil	---	PCB
S-12609-110800-KMB-1133	AST South 8' exc.	B2'	Soil	---	PCB
S-12609-110800-KMB-1134	AST South 8' exc.	B6'	Soil	---	PCB
S-12609-110800-KMB-1135	AST South 8' exc.	C2'	Soil	---	PCB
S-12609-110800-KMB-1136	AST South 8' exc.	C6'	Soil	---	PCB
S-12609-110800-KMB-1137	AST South 8' exc.	D2'	Soil	---	PCB
S-12609-110800-KMB-1138	AST South 8' exc.	D6'	Soil	---	PCB
S-12609-110800-KMB-1139	AST South 8' exc.	E2'	Soil	---	PCB
S-12609-110800-KMB-1140	AST South 8' exc.	E6'	Soil	---	PCB
S-12609-110800-KMB-1141	AST South 8' exc.	E Floor	Soil	---	PCB
S-12609-110800-KMB-1142	AST South 8' exc.	G Floor	Soil	---	PCB

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-110800-KMB-1143	AST West 8' exc.	A2'	Soil	---	PCB
S-12609-110800-KMB-1144	AST West 8' exc.	A6'	Soil	---	PCB
S-12609-110800-KMB-1145	AST West 8' exc.	B2'	Soil	---	PCB
S-12609-110800-KMB-1146	AST West 8' exc.	B6'	Soil	---	PCB
S-12609-110800-KMB-1147	AST West 8' exc.	C2'	Soil	---	PCB
S-12609-110800-KMB-1148	AST West 8' exc.	C6'	Soil	---	PCB
S-12609-110800-KMB-1149	AST West 8' exc.	D2'	Soil	---	PCB
S-12609-110800-KMB-1150	AST West 8' exc.	D6'	Soil	---	PCB
S-12609-110800-KMB-1151	AST West 8' exc.	E Floor	Soil	---	PCB
S-12609-110800-KMB-1152	AST West 8' exc.	E Floor	Soil	---	PCB
S-12609-110900-KMB-1153	AST 2' exc.	F1	Soil	---	PCB
S-12609-110900-KMB-1154	AST 2' exc.	F2	Soil	---	PCB
S-12609-110900-KMB-1155	AST 2' exc.	F3	Soil	---	PCB
S-12609-110900-KMB-1156	AST 2' exc.	F4	Soil	---	PCB
S-12609-110900-KMB-1157	AST 2' exc.	F5	Soil	---	PCB
S-12609-110900-KMB-1158	AST 2' exc.	F5	Soil	Duplicate of 1157	PCB
S-12609-110900-KMB-1159	AST 2' exc.	F5	Soil	MS/MSD	PCB
S-12609-110900-KMB-1160	AST 2' exc.	F6	Soil	---	PCB
S-12609-110900-KMB-1161	AST 2' exc.	F7	Soil	---	PCB
S-12609-110900-KMB-1162	AST 2' exc.	F8	Soil	---	PCB
S-12609-110900-KMB-1163	AST 2' exc.	F9	Soil	---	PCB
S-12609-110900-KMB-1164	AST 2' exc.	F10	Soil	---	PCB
S-12609-110900-KMB-1165	AST 2' exc.	F11	Soil	---	PCB
S-12609-110900-KMB-1166	AST 2' exc.	F10	Soil	---	PCB
S-12609-110900-KMB-1167	AST East 4' exc.	North Floor	Soil	---	PCB
S-12609-110900-KMB-1168	AST East 4' exc.	South Floor	Soil	---	PCB
S-12609-110900-KMB-1169	AST East 4' exc.	North	Soil	---	PCB
S-12609-110900-KMB-1170	AST East 4' exc.	East/P12	Soil	---	PCB
S-12609-110900-KMB-1171	AST East 4' exc.	West	Soil	---	PCB
S-12609-110900-KMB-1172	AST East 4' exc.	P1	Soil	---	PCB
S-12609-110900-KMB-1173	AST 2' exc.	P8	Soil	---	PCB
S-12609-110900-KMB-1174	AST 2' exc.	P9	Soil	---	PCB

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location/Description*	*Sample Survey Node*	*Matrix*	*QC Samples*	*Parameters*
S-12609-110900-KMB-1175	AST 2' exc.	P11	Soil	---	PCB
S-12609-110900-KMB-1176	AST 2' exc.	P2	Soil	---	PCB
S-12609-110900-KMB-1177	AST 2' exc.	P3	Soil	---	PCB
S-12609-110900-KMB-1178	AST 2' exc.	P4	Soil	---	PCB
S-12609-110900-KMB-1179	AST 2' exc.	P5	Soil	---	PCB
S-12609-110900-KMB-1180	AST 2' exc.	P6	Soil	---	PCB
S-12609-110900-KMB-1181	AST 2' exc.	P7	Soil	---	PCB
W-12609-110900-KMB-1154	---	---	Water	Rinsate	PCB
S-12609-112000-KMB-1184	AST 2' TSCA exc.	North	Soil	---	PCB
S-12609-112000-KMB-1185	AST 2' TSCA exc.	East	Soil	---	PCB
S-12609-112000-KMB-1186	AST 2' TSCA exc.	South	Soil	---	PCB
S-12609-112000-KMB-1187	AST 2' TSCA exc.	West	Soil	---	PCB
S-12609-112000-KMB-1188	AST 2' TSCA exc.	North Floor	Soil	---	PCB
S-12609-112000-KMB-1189	AST 2' TSCA exc.	South Floor	Soil	---	PCB

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TCL - Target Compound List
VOC - Volatile Organic Compounds
SVOC - Semi-Volatile Organic Compounds
TAL - Target Analyte List
PCB - Polychlorinated biphenyls
QC - Quality Control
MS/MSD - Matrix Spike/Matrix Spike Duplicate

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TABLE 2

SUMMARY OF ANALYTICAL METHODS
GMPT TOLEDO SITE
TOLEDO, OHIO

Parameters	*Method*
PCB	SW-846 8020[1]
Total Petroleum Hydrocarbon (TPH)	EPA-WW 418.1[2]

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[1] SW-846 – "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846 3rd edition, November 1986" and promulgated updates.

[2] EPA-WW - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, revised March 1983 and subsequent revisions.

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TABLE 3

HOLDING TIME PERIODS
GMPT TOLEDO SITE
TOLEDO, OHIO

Analysis	*Holding Time Period*
PCB	- 7 days (water), 14 days (soil) from sample collection to extraction - 40 days from extraction to completion of analysis
TPH	- 28 days from sample collection to completion of analysis

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TABLE 4

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO LABORATORY CONTROL SAMPLE PERCENT RECOVERY VIOLATION
GMPT TOLEDO SITE
TOLEDO, OHIO

Analysis	*Associated Samples*	*Qualifier* [1]
PCB	S-12609-110100-KMB-1125 (11/03/00)[2]	R
	S-12609-110100-KMB-1126 (11/03/00)	R
	S-12609-110100-KMB-1127 (11/03/00)	R
	S-12609-110100-KMB-1128 (11/03/00)	R
	S-12609-110100-KMB-1129 (11/03/00)	J/R
	S-12609-110100-KMB-1130 (11/03/00)	R

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[1] The analysis parameters results should be qualified for the listed samples as:

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

[2] Preparation date.

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TABLE 5

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF SURROGATE PERCENT RECOVERY CRITERIA GMPT TOLEDO SITE TOLEDO, OHIO

Analysis	*Associated Samples*	*Qualifier*[1]
PCB	S-12609-082900-KMB-1029	UJ
	S-12609-090500-KMB-1052	
	S-12609-090500-KMB-1054	

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[1] The analysis parameter results should be qualified for the associated samples as:

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is estimated and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample (for non-detected parameters).

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TABLE 6

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
GMPT TOLEDO SITE
TOLEDO, OHIO

Parameter	*Investigative Sample*	*Duplicate Sample*	*RPD* [1]
PCB (µg/kg)			
	S-12609-090500-KMB-1060	S-12609-090500-KMB-1064	
Aroclor 1254	2,000	310	150
	S-12609-092100-KMB-1086	S-12609-092100-KMB-1087	
Aroclor 1248	540	400	30
Aroclor 1254	160	180	12
	S-12609-110900-KMB-1157	S-12609-110900-KMB-1158	
Aroclor 1248	250	140	56
Aroclor 1254	130	71	59

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[1] RPD - Relative Percent Difference

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MEMORANDUM

TO:	Ian Richardson	REF. NO.:	12609
FROM:	Mary Cameron/mc/30/Det.	DATE:	March 19, 2001
RE:	Data Quality Assessment and Validation GMPT Toledo Site Toledo, Ohio		

The following details a quality assessment and validation of the analytical data resulting from the February 6, 2001, collection of nine (9) soil and two (2) quality control samples from the GMPT Toledo Site in Toledo, Ohio. The sample summary detailing sample identification, sample location, quality control, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories in North Canton, Ohio (STL) in accordance with the Method 8082 from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition and Promulgated Updates, November 1986. The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP).[1]

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Holding Time Period and Sample Analysis

The holding time period for polychlorinated biphenyls (PCB) is:

PCB
- 7 days (water), 14 days (soil) from sample collection to extraction
- 40 days from extraction to completion of analysis.

The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by STL, were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable levels of target analytes, indicating no additional laboratory-attributable contamination occurred.

Laboratory Control Sample Analysis

The laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The LCS/LCSD percent

[1] Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994.

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Laboratory Control Sample Analysis (Cont'd)

recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries - Organic Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The MS/MSD percent recoveries and associated RPDs acceptance criteria were met for all analyses.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field blank (rinsate) sample and (1) field duplicate sample set.

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To assess the efficiency of field decontamination procedures, one (1) rinsate sample (identified in Table 1) was collected and analyzed for PCB. No targeted analytes were reported as detected in the rinsate sample.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. Table 2 summarizes the results of the detected analyte in the field duplicate sample set. The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used.

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TABLE 1

SAMPLE SUMMARY
GMPT TOLEDO SITE
TOLEDO, OHIO

Sample Identification	*Sample Location / Description*	*Node*	*Matrix*	*QC*	*Parameters*
W-12609-020601-KMB-1190	---	---	Water	Rinsate	PCB
S -12609-020601-KMB-1191	TSCA Staging Area	SW 1	Soil	---	PCB
S -12609-020601-KMB-1192	TSCA Staging Area	SW 2	Soil	---	PCB
S -12609-020601-KMB-1193	TSCA Staging Area	SW 3	Soil	---	PCB
S -12609-020601-KMB-1194	TSCA Staging Area	SW 4	Soil	---	PCB
S -12609-020601-KMB-1195	TSCA Staging Area	NW 5	Soil	---	PCB
S -12609-020601-KMB-1196	TSCA Staging Area	NE 6	Soil	---	PCB
S -12609-020601-KMB-1197	TSCA Staging Area	NE 7	Soil	---	PCB
S -12609-020601-KMB-1198	TSCA Staging Area	NE 8	Soil	---	PCB
S -12609-020601-KMB-1199	TSCA Staging Area	NW 5	Soil	Duplicate of 1195	PCB
S -12609-020601-KMB-1200	TSCA Staging Area	SE 9	Soil	---	PCB

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PCB - Polychlorinated biphenyls

QC - Quality Control

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TABLE 2

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SET
GMPT TOLEDO SITE
TODEDO, OHIO

Parameter	*Investigative Sample*	*Duplicate Sample*	*RPD* [1]
	S-12609-020601-KMB-1195	S-12609-020601-KMB-1199	
PCB (µg/kg)			
Aroclor 1248	350	110	100

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[1] RPD - Relative Percent Difference

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APPENDIX C

SUMMARY OF ANALYTICAL RESULTS - SOUTHEAST BERM

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APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-115*	*SEBA-113*	*SEBA-111*	*SEBA-110*
Sample ID:		*S-12609-091800-KMB-1079*	*S-12609-092000-KMB-1080*	*S-12609-092000-KMB-1081*	*S-12609-092000-KMB-1082*
Sample Date:		*9/18/2000*	*9/20/2000*	*9/20/2000*	*9/20/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (43)	ND (38)	ND (410)	ND (42)
Aroclor-1221	ug/Kg	ND (43)	ND (38)	ND (410)	ND (42)
Aroclor-1232	ug/Kg	ND (43)	ND (38)	ND (410)	ND (42)
Aroclor-1242	ug/Kg	ND (43)	ND (38)	ND (410)	ND (42)
Aroclor-1248	ug/Kg	ND (43)	360	3400	ND (42)
Aroclor-1254	ug/Kg	ND (43)	200	1100	ND (42)
Aroclor-1260	ug/Kg	ND (43)	41	ND (410)	ND (42)
General Chemistry					
Total Solids	%	77.5	86.1	81.2	79.4

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Notes:

ND - Non-detect at associated value.

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-120*	*SEBASW-121*	*SEBASW-122*	*SEBA-109*
Sample ID:		*S-12609-092000-KMB-1083*	*S-12609-092000-KMB-1084*	*S-12609-092000-KMB-1085*	*S-12609-092100-KMB-1086*
Sample Date:		*9/20/2000*	*9/20/2000*	*9/20/2000*	*9/21/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (43)	ND (40)	ND (2000)	ND (41)
Aroclor-1221	ug/Kg	ND (43)	ND (40)	ND (2000)	ND (41)
Aroclor-1232	ug/Kg	ND (43)	ND (40)	ND (2000)	ND (41)
Aroclor-1242	ug/Kg	ND (43)	ND (40)	ND (2000)	ND (41)
Aroclor-1248	ug/Kg	ND (43)	ND (40)	22000	540
Aroclor-1254	ug/Kg	ND (43)	ND (40)	6900	160
Aroclor-1260	ug/Kg	ND (43)	ND (40)	ND (2000)	ND (41)
General Chemistry					
Total Solids	%	77.6	82.1	81.0	80.1

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-109*	*SEBASW-112*	*SEBASW-114*	*SEBASW-124*
Sample ID:		*S-12609-092100-KMB-1087*	*S-12609-092100-KMB-1088*	*S-12609-092100-KMB-1089*	*S-12609-092500-KMB-1090*
Sample Date:		*9/21/2000*	*9/21/2000*	*9/21/2000*	*9/25/2000*
		Duplicate			
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (41)	ND (40)	ND (37)	ND (2100)
Aroclor-1221	ug/Kg	ND (41)	ND (40)	ND (37)	ND (2100)
Aroclor-1232	ug/Kg	ND (41)	ND (40)	ND (37)	ND (2100)
Aroclor-1242	ug/Kg	ND (41)	ND (40)	ND (37)	ND (2100)
Aroclor-1248	ug/Kg	400	350	ND (37)	18000
Aroclor-1254	ug/Kg	180	120	ND (37)	5600
Aroclor-1260	ug/Kg	ND (41)	ND (40)	ND (37)	ND (2100)
General Chemistry					
Total Solids	%	80.8	83.4	90.0	78.3

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Notes:

ND - Non-detect at associated value.

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-108*	*SEBA-123*	*SEBASW-126*	*SEBASW-125*
Sample ID:		*S-12609-092500-KMB-1091*	*S-12609-092500-KMB-1092*	*S-12609-092600-KMB-1093*	*S-12609-092600-KMB-1094*
Sample Date:		*9/25/2000*	*9/25/2000*	*9/26/2000*	*9/26/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (41)	ND (41)	ND (200)	ND (41)
Aroclor-1221	ug/Kg	ND (41)	ND (41)	ND (200)	ND (41)
Aroclor-1232	ug/Kg	ND (41)	ND (41)	ND (200)	ND (41)
Aroclor-1242	ug/Kg	ND (41)	ND (41)	ND (200)	ND (41)
Aroclor-1248	ug/Kg	ND (41)	ND (41)	2000	ND (41)
Aroclor-1254	ug/Kg	ND (41)	ND (41)	600	ND (41)
Aroclor-1260	ug/Kg	ND (41)	ND (41)	ND (200)	ND (41)
General Chemistry					
Total Solids	%	79.7	80.0	82.5	79.6

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-127*	*SEBA-124A*	*SEBA-117*	*SEBASW-129*
Sample ID:		*S-12609-092600-KMB-1095*	*S-12609-092900-KMB-1096*	*S-12609-100200-KMB-1097*	*S-12609-100200-KMB-1098*
Sample Date:		*9/26/2000*	*9/29/2000*	*10/2/2000*	*10/2/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (43)	ND (41)	ND (41)	ND (780)
Aroclor-1221	ug/Kg	ND (43)	ND (41)	ND (41)	ND (780)
Aroclor-1232	ug/Kg	ND (43)	ND (41)	ND (41)	ND (780)
Aroclor-1242	ug/Kg	ND (43)	ND (41)	ND (41)	ND (780)
Aroclor-1248	ug/Kg	ND (43)	ND (41)	ND (41)	4900
Aroclor-1254	ug/Kg	ND (43)	ND (41)	ND (41)	1500
Aroclor-1260	ug/Kg	ND (43)	ND (41)	ND (41)	ND (780)
General Chemistry					
Total Solids	%	77.0	80.0	79.5	84.4

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBA-117*	*SEBASW-128*	*SEBASW-119*	*SEBA-116*
Sample ID:		*S-12609-100200-KMB-1099*	*S-12609-100200-KMB-1100*	*S-12609-100200-KMB-1101*	*S-12609-100200-KMB-1102*
Sample Date:		*10/2/2000*	*10/2/2000*	*10/2/2000*	*10/2/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1221	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1232	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1242	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1248	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1254	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
Aroclor-1260	ug/Kg	ND (43)	ND (43)	ND (43)	ND (42)
General Chemistry					
Total Solids	%	77.0	77.4	77.6	79.4

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-130*	*SEBA-118*	*SEBASW-132*	*SEBASW-131*
Sample ID:		*S-12609-100200-KMB-1103*	*S-12609-100200-KMB-1104*	*S-12609-100300-KMB-1105*	*S-12609-100300-KMB-1106*
Sample Date:		*10/2/2000*	*10/2/2000*	*10/3/2000*	*10/3/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
Aroclor-1221	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
Aroclor-1232	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
Aroclor-1242	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
Aroclor-1248	ug/Kg	ND (44)	ND (41)	56	ND (40)
Aroclor-1254	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
Aroclor-1260	ug/Kg	ND (44)	ND (41)	ND (43)	ND (40)
General Chemistry					
Total Solids	%	75.0	79.6	77.5	82.9

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*BH252-00*	*BH224-00*	*SEBASW-133*	*SEBA-134*
Sample ID:		*S-12609-100300-KMB-1107*	*S-12609-100300-KMB-1108*	*S-12609-101700-KMB-1115*	*S-12609-101700-KMB-1116*
Sample Date:		*10/3/2000*	*10/3/2000*	*10/17/2000*	*10/17/2000*
Parameter	*Unit*				
PCBs					
Aroclor-1016	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
Aroclor-1221	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
Aroclor-1232	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
Aroclor-1242	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
Aroclor-1248	ug/Kg	ND (45)	ND (41)	2300	ND (40)
Aroclor-1254	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
Aroclor-1260	ug/Kg	ND (45)	ND (41)	ND (370)	ND (40)
General Chemistry					
Total Solids	%	74.1	80.4	88.9	81.6

Notes:

ND - Non-detect at associated value.

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APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-135*	*SEBASW-136*	*SEBASW-136*	*SEBAF-137*
Sample ID:		*S-12609-101700-KMB-1117*	*S-12609-101700-KMB-1118*	*S-12609-101700-KMB-1119*	*S-12609-103000-KMB-1120*
Sample Date:		*10/17/2000*	*10/17/2000*	*10/17/2000*	*10/30/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
Aroclor-1221	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
Aroclor-1232	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
Aroclor-1242	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
Aroclor-1248	ug/Kg	2600	49000	44000	ND (44)
Aroclor-1254	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
Aroclor-1260	ug/Kg	ND (390)	ND (4000)	ND (4000)	ND (44)
General Chemistry					
Total Solids	%	83.7	83.2	81.8	75.4

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Notes:

ND - Non-detect at associated value.

APPENDIX C

SUMMARY OF ANALYTICAL RESULTS
SOUTHEAST BERM
TOLEDO, OHIO

Sample Location:		*SEBASW-138*	*SEBASW-139*	*SEBASW-140*	*SEBA -waste composite*
Sample ID:		*S-12609-103000-KMB-1121*	*S-12609-103000-KMB-1122*	*S-12609-103000-KMB-1123*	*S-12609-103000-KMB-1124*
Sample Date:		*10/30/2000*	*10/30/2000*	*10/30/2000*	*10/30/2000*
Parameter	***Unit***				
PCBs					
Aroclor-1016	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
Aroclor-1221	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
Aroclor-1232	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
Aroclor-1242	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
Aroclor-1248	ug/Kg	79	71	ND (41)	ND (42)
Aroclor-1254	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
Aroclor-1260	ug/Kg	ND (42)	ND (44)	ND (41)	ND (42)
General Chemistry					
Total Solids	%	77.7	74.2	80.3	78.8

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Notes:

ND - Non-detect at associated value.

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APPENDIX D

SUMMARY OF ANALYTICAL RESULTS - EXISTING STORMWATER POND

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APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-50*	*SWB-61*	*SWB-62*	*SWB-50*	*SWB-63*
Sample ID:		*S-12609-082900-KMB-1021*	*S-12609-082900-KMB-1022*	*S-12609-082900-KMB-1024*	*S-12609-082900-KMB-1025*	*S-12609-082900-KMB-1026*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	***Unit***					
PCBs						
Aroclor-1016	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1221	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1232	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1242	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1248	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1254	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
Aroclor-1260	ug/Kg	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
General Chemistry						
Total Solids	%	85.3	83.8	82.0	84.9	84.9

Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

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SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-73*	*SWB-72*	*SWB-71*	*SWB-76*	*SWB-60*
Sample ID:		*S-12609-082900-KMB-1027*	*S-12609-082900-KMB-1028*	*S-12609-082900-KMB-1029*	*S-12609-082900-KMB-1030*	*S-12609-082900-KMB-1031*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1221	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1232	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1242	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1248	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1254	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
Aroclor-1260	ug/Kg	ND (40)	ND (39)	ND (45) UJ	ND (41)	ND (39)
General Chemistry						
Total Solids	%	82.7	84.9	73.7	81.4	84.5

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-51*	*SWB-59*	*SWB-66*	*SWB-65*	*SWB-64*
Sample ID:		*S-12609-082900-KMB-1032*	*S-12609-082900-KMB-1033*	*S-12609-082900-KMB-1034*	*S-12609-082900-KMB-1035*	*S-12609-082900-KMB-1036*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1221	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1232	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1242	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1248	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1254	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
Aroclor-1260	ug/Kg	ND (37)	ND (39)	ND (41)	ND (37)	ND (40)
General Chemistry						
Total Solids	%	88.2	85.7	80.8	88.3	81.8

Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

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SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-68*	*SWB-69*	*SWB-70*	*SWB-77*	*SWB-78*
Sample ID:		*S-12609-082900-KMB-1037*	*S-12609-082900-KMB-1038*	*S-12609-082900-KMB-1039*	*S-12609-082900-KMB-1040*	*S-12609-082900-KMB-1041 (SOIL)*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
Aroclor-1221	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
Aroclor-1232	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
Aroclor-1242	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
Aroclor-1248	ug/Kg	64	ND (40)	89	ND (41)	110
Aroclor-1254	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
Aroclor-1260	ug/Kg	ND (42)	ND (40)	ND (39)	ND (41)	ND (42)
General Chemistry						
Total Solids	%	77.8	82.7	85.4	80.8	78.6

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-79*	*SWB-81*	*SWB bank-80*	*SWB-82*	*SWB-78*
Sample ID:		*S-12609-082900-KMB-1042*	*S-12609-082900-KMB-1043*	*S-12609-082900-KMB-1044*	*S-12609-082900-KMB-1045*	*S-12609-082900-KMB-1048*
Sample Date:		*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*	*8/29/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1221	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1232	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1242	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1248	ug/Kg	ND (40)	130	150	ND (43)	64
Aroclor-1254	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
Aroclor-1260	ug/Kg	ND (40)	ND (40)	ND (42)	ND (43)	ND (42)
General Chemistry						
Total Solids	%	82.7	81.7	78.4	77.4	78.2

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB-83*	*SWB-84*	*SWB-85*	*SWB-74*	*SWB-75*
Sample ID:		*S-12609-090500-KMB-1049*	*S-12609-090500-KMB-1050*	*S-12609-090500-KMB-1051*	*S-12609-090500-KMB-1052*	*S-12609-090500-KMB-1053*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
Aroclor-1221	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
Aroclor-1232	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
Aroclor-1242	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
Aroclor-1248	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
Aroclor-1254	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	17
Aroclor-1260	ug/Kg	ND (39)	ND (40)	ND (40)	ND (40) UJ	ND (41)
General Chemistry						
Total Solids	%	84.8	83.3	83.1	82.1	80.5

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-91*	*SWB-90*	*SWB-89*	*SWB bank-92*	*SWB bank-93*
Sample ID:		*S-12609-090500-KMB-1054*	*S-12609-090500-KMB-1055*	*S-12609-090500-KMB-1056*	*S-12609-090500-KMB-1057*	*S-12609-090500-KMB-1058*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1221	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1232	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1242	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1248	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1254	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
Aroclor-1260	ug/Kg	ND (46) UJ	ND (42)	ND (43)	ND (40)	ND (39)
General Chemistry						
Total Solids	%	72.2	79.3	76.6	82.9	84.9

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-97*	*SWB bank-98*	*SWB bank-99*	*SWB bank-100*	*SWB bank-101*
Sample ID:		*S-12609-090500-KMB-1059*	*S-12609-090500-KMB-1060*	*S-12609-090500-KMB-1061*	*S-12609-090500-KMB-1062*	*S-12609-090500-KMB-1063*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
Aroclor-1221	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
Aroclor-1232	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
Aroclor-1242	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
Aroclor-1248	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
Aroclor-1254	ug/Kg	290	2000	6200	ND (37)	ND (36)
Aroclor-1260	ug/Kg	ND (180)	ND (380)	ND (1900)	ND (37)	ND (36)
General Chemistry						
Total Solids	%	90.7	86.2	86.6	88.6	91.0

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-98*	*SWB bank-102*	*SWB bank-103*	*SWB bank-104*	*SWB bank-105*
Sample ID:		*S-12609-090500-KMB-1064*	*S-12609-090500-KMB-1065*	*S-12609-090500-KMB-1066*	*S-12609-090500-KMB-1067*	*S-12609-090500-KMB-1068*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*	*9/5/2000*
		Duplicate				
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1221	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1232	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1242	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1248	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1254	ug/Kg	310	ND (34)	ND (35)	ND (38)	ND (41)
Aroclor-1260	ug/Kg	ND (38)	ND (34)	ND (35)	ND (38)	ND (41)
General Chemistry						
Total Solids	%	87.6	96.6	95.6	85.9	79.2

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Notes:

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U - Non-detect at associated value.
J - Estimated.

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-106*	*SWB bank-106*	*SWB-88*	*SWB bank-94*	*SWB-87*
Sample ID:		*S-12609-090500-KMB-1069*	*S-12609-090500-KMB-1070*	*S-12609-091300-KMB-1073*	*S-12609-091300-KMB-1074*	*S-12609-091300-KMB-1075*
Sample Date:		*9/5/2000*	*9/5/2000*	*9/13/2000*	*9/13/2000*	*9/13/2000*
			Duplicate			
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
Aroclor-1221	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
Aroclor-1232	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
Aroclor-1242	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
Aroclor-1248	ug/Kg	ND (40)	ND (39)	110	ND (41)	68
Aroclor-1254	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
Aroclor-1260	ug/Kg	ND (40)	ND (39)	ND (44)	ND (41)	ND (46)
General Chemistry						
Total Solids	%	83.3	85.1	74.9	79.9	72.4

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS
EXISTING STORMWATER POND
TOLEDO, OHIO

Sample Location:		*SWB bank-95*	*SWB-86*	*SWB bank-96*
Sample ID:		*S-12609-091300-KMB-1076*	*S-12609-091800-KMB-1077*	*S-12609-091800-KMB-1078*
Sample Date:		*9/13/2000*	*9/18/2000*	*9/18/2000*
Parameter	*Unit*			
PCBs				
Aroclor-1016	ug/Kg	ND (41)	ND (42)	ND (39)
Aroclor-1221	ug/Kg	ND (41)	ND (42)	ND (39)
Aroclor-1232	ug/Kg	ND (41)	ND (42)	ND (39)
Aroclor-1242	ug/Kg	ND (41)	ND (42)	ND (39)
Aroclor-1248	ug/Kg	520	ND (42)	220
Aroclor-1254	ug/Kg	ND (41)	ND (42)	ND (39)
Aroclor-1260	ug/Kg	ND (41)	ND (42)	ND (39)
General Chemistry				
Total Solids	%	80.6	79.3	84.5

Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
J - Estimated.

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APPENDIX E

SUMMARY OF ANALYTICAL RESULTS - NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE

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APPENDIX E

SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
TOLEDO, OHIO

Sample Location:		*TPH Pile-Nova I 149*	*TPH Pile-J 150*	*TPH Pile-H 148*	*TPH Pile-G 147*	*TPH Pile-E 145*
Sample ID:		*S-12609-101800-KMB-1109*	*S-12609-101800-KMB-1110*	*S-12609-101800-KMB-1111*	*S-12609-101800-KMB-1112*	*S-12609-101800-KMB-1113*
Sample Date:		*10/18/2000*	*10/18/2000*	*10/18/2000*	*10/18/2000*	*10/18/2000*
Parameter	***Unit***					
Total Solids	%	84.7	83.9	89.5	90.3	90.7
Total Recoverable Petroleum Hydrocarbons	mg/Kg	23	38	22	30	17

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SUMMARY OF ANALYTICAL RESULTS
NORTHERN FILL SOIL PILE, MISCELLANEOUS SOIL PILES, AND TPH PILE
TOLEDO, OHIO

Sample Location:		*TPH Pile-F 146*	*TPH Pile-A 141*	*TPH Pile-B 142*	*TPH Pile-C 143*	*TPH Pile-D 144*
Sample ID:		*S-12609-101800-KMB-1114*	*S-12609-101800-KMB-1120*	*S-12609-101800-KMB-1121*	*S-12609-101800-KMB-1122*	*S-12609-101800-KMB-1123*
Sample Date:		*10/18/2000*	*10/18/2000*	*10/18/2000*	*10/18/2000*	*10/18/2000*
Parameter	*Unit*					
Total Solids	%	90.5	94.8	93.4	89.9	96.5
Total Recoverable Petroleum Hydrocarbons	mg/Kg	150	730	130	64	690

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APPENDIX F

SUMMARY OF ANALYTICAL RESULTS -
AREA SOUTH OF SILVER CREEK / AREA WEST OF FORMER DISPOSAL AREA

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APPENDIX F

SUMMARY OF ANALYTICAL RESULTS
AREA SOUTH OF SILVER CREEK/AREA WEST OF FORMER DISPOSAL AREA
TOLEDO,OHIO

Sample Location:		***Chromium Area-8 pt. Composite***
Sample ID:		***S-12609-111800-KMB-1182***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
Metals		
Aluminum	mg/Kg	3970
Antimony	mg/Kg	ND (6.8) U
Arsenic	mg/Kg	4.4
Barium	mg/Kg	28.2
Beryllium	mg/Kg	ND (0.56) U
Cadmium	mg/Kg	ND (0.56) U
Calcium	mg/Kg	2050
Chromium	mg/Kg	22.3
Cobalt	mg/Kg	ND (5.6) U
Copper	mg/Kg	12.7
Iron	mg/Kg	6940
Lead	mg/Kg	3.5
Magnesium	mg/Kg	1310
Manganese	mg/Kg	63.0
Nickel	mg/Kg	7.4
Potassium	mg/Kg	ND (565) U
Selenium	mg/Kg	ND (0.56) U
Silver	mg/Kg	ND (1.1) U
Sodium	mg/Kg	ND (565) U
Thallium	mg/Kg	ND (1.1) U
Vanadium	mg/Kg	11.1
Zinc	mg/Kg	18.3
Mercury	mg/Kg	ND (0.11) U
General Chemistry		
Total Solids	%	88.5

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.

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APPENDIX G
SUMMARY OF ANALYTICAL RESULTS - SOUTHWEST AREA

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APPENDIX G

SUMMARY OF ANALYTICAL RESULTS
SOUTHWEST AREA
TOLEDO, OHIO

Sample Location:		*SW CORNER-151*	*SW CORNER-152*	*SW CORNER-153*	*SW CORNER-155*	*SW CORNER-154*	*SW CORNER-waste composite*
Sample ID:		*S-12609-110100-KMB-1125*	*S-12609-110100-KMB-1126*	*S-12609-110100-KMB-1127*	*S-12609-110100-KMB-1128*	*S-12609-110100-KMB-1129*	*S-12609-110100-KMB-1130*
Sample Date:		*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*	*11/1/2000*
Parameter	*Unit*						
PCBs							
Aroclor-1016	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
Aroclor-1221	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
Aroclor-1232	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
Aroclor-1242	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
Aroclor-1248	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	170	ND (43)
Aroclor-1254	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
Aroclor-1260	ug/Kg	ND (42)	ND (37)	ND (38)	ND (42)	ND (39)	ND (43)
General Chemistry							
Total Solids	%	78.3	89.8	86.2	78.4	84.5	76.5

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APPENDIX H

SUMMARY OF ANALYTICAL RESULTS - CHROMIUM STOCKPILE

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SUMMARY OF ANALYTICAL RESULTS
CHROMIUM STOCKPILE
TOLEDO, OHIO

Sample Location:		***Chromium stockpile-12 pt. Comp***
Sample ID:		***S-12609-111800-KMB-1183***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
PCBs		
Aroclor-1016	ug/Kg	ND (370) U
Aroclor-1221	ug/Kg	ND (370) U
Aroclor-1232	ug/Kg	ND (370) U
Aroclor-1242	ug/Kg	ND (370) U
Aroclor-1248	ug/Kg	3500
Aroclor-1254	ug/Kg	ND (370) U
Aroclor-1260	ug/Kg	ND (370) U
Herbicides		
2,4,5-TP (Silvex)	mg/L	ND (0.10) U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	ND (0.50) U
RCRA Characteristics		
Ignitability	deg f	180 >
Reactive Cyanide	mg/Kg	ND (200) U
Reactive Sulfide	mg/Kg	ND (200) U
General Chemistry		
pH Corrosivity	s.u.	9.1
Total Solids	%	89.3

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
> - Greater than reported value.

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APPENDIX H

SUMMARY OF ANALYTICAL RESULTS - CHROMIUM STOCKPILE

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APPENDIX H

SUMMARY OF ANALYTICAL RESULTS
CHROMIUM STOCKPILE
TOLEDO, OHIO

Sample Location:		***Chromium stockpile-12 pt. Comp***
Sample ID:		***S-12609-111800-KMB-1183***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
TCLP Volatiles		
1,1-Dichloroethene	mg/L	ND (0.070) U
1,2-Dichloroethane	mg/L	ND (0.025) U
2-Butanone	mg/L	ND (0.020) U
Benzene	mg/L	ND (0.025) U
Carbon tetrachloride	mg/L	ND (0.025) U
Chlorobenzene	mg/L	ND (0.025) U
Chloroform	mg/L	ND (0.025) U
Tetrachloroethene	mg/L	ND (0.070) U
Trichloroethene	mg/L	ND (0.050) U
Vinyl chloride	mg/L	ND (0.050) U
TCLP Semi-Volatiles		
1,4-Dichlorobenzene	mg/L	ND (0.050) U
2,4,5-Trichlorophenol	mg/L	ND (0.050) U
2,4,6-Trichlorophenol	mg/L	ND (0.050) U
2,4-Dinitrotoluene	mg/L	ND (0.050) U
2-Methylphenol	mg/L	ND (0.050) U
3&4-Methylphenol	mg/L	ND (0.10) U
Hexachlorobenzene	mg/L	ND (0.050) U
Hexachlorobutadiene	mg/L	ND (0.050) U
Hexachloroethane	mg/L	ND (0.050) U
Nitrobenzene	mg/L	ND (0.050) U
Pentachlorophenol	mg/L	ND (0.10) U
Pyridine	mg/L	ND (0.10) U
TCLP Metals		
Arsenic	mg/L	ND (0.50) U
Barium	mg/L	ND (10.0) U
Cadmium	mg/L	ND (0.10) U
Chromium	mg/L	ND (0.50) U
Lead	mg/L	ND (0.50) U
Selenium	mg/L	ND (0.25) U
Silver	mg/L	ND (0.50) U
Mercury	mg/L	ND (0.0020) U
Pesticides		
Chlordane	mg/L	ND (0.0050) U
Endrin	mg/L	ND (0.00050) U
gamma-BHC (Lindane)	mg/L	ND (0.00050) U
Heptachlor epoxide	mg/L	ND (0.00050) U
Heptachlor	mg/L	ND (0.00050) U
Methoxychlor	mg/L	ND (0.0010) U
Toxaphene	mg/L	ND (0.020) U

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APPENDIX H

SUMMARY OF ANALYTICAL RESULTS
CHROMIUM STOCKPILE
TOLEDO, OHIO

Sample Location:		***Chromium stockpile-12 pt. Comp***
Sample ID:		***S-12609-111800-KMB-1183***
Sample Date:		***11/18/2000***
Parameter	***Unit***	
PCBs		
Aroclor-1016	ug/Kg	ND (370) U
Aroclor-1221	ug/Kg	ND (370) U
Aroclor-1232	ug/Kg	ND (370) U
Aroclor-1242	ug/Kg	ND (370) U
Aroclor-1248	ug/Kg	3500
Aroclor-1254	ug/Kg	ND (370) U
Aroclor-1260	ug/Kg	ND (370) U
Herbicides		
2,4,5-TP (Silvex)	mg/L	ND (0.10) U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	ND (0.50) U
RCRA Characteristics		
Ignitability	deg f	180 >
Reactive Cyanide	mg/Kg	ND (200) U
Reactive Sulfide	mg/Kg	ND (200) U
General Chemistry		
pH Corrosivity	s.u.	9.1
Total Solids	%	89.3

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Notes:

ND - Non-detect at associated value.
U - Non-detect at associated value.
> - Greater than reported value.

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APPENDIX I

SUMMARY OF ANALYTICAL RESULTS - TSCA STAGING AREA

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APPENDIX I

SUMMARY OF ANALYTICAL RESULTS
TSCA STAGING AREA
TOLEDO, OHIO

Sample Location:		*TSCA Staging Area 1*	*TSCA Staging Area 2*	*TSCA Staging Area 3*	*TSCA Staging Area 4*	*TSCA Staging Area 5*
Sample ID:		*S-12609-020601-KMB-1191*	*S-12609-020601-KMB-1192*	*S-12609-020601-KMB-1193*	*S-12609-020601-KMB-1194*	*S-12609-020601-KMB-1195*
Sample Date:		*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
Aroclor-1221	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
Aroclor-1232	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
Aroclor-1242	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
Aroclor-1248	ug/kg	890	51	110	ND (40)	350
Aroclor-1254	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
Aroclor-1260	ug/kg	ND (220)	ND (40)	ND (37)	ND (40)	ND (41)
General Chemistry						
Total Solids	percent	76.5	82.0	89.2	82.2	80.1

Notes:

ND - Non-detect at associated value.

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APPENDIX I

SUMMARY OF ANALYTICAL RESULTS
TSCA STAGING AREA
TOLEDO, OHIO

Sample Location:		*TSCA Staging Area 6*	*TSCA Staging Area 7*	*TSCA Staging Area 8*	*TSCA Staging Area 5*	*TSCA Staging Area 9*
Sample ID:		*S-12609-020601-KMB-1196*	*S-12609-020601-KMB-1197*	*S-12609-020601-KMB-1198*	*S-12609-020601-KMB-1199*	*S-12609-020601-KMB-1200*
Sample Date:		*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*	*2/6/2001*
Parameter	*Unit*					
PCBs						
Aroclor-1016	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
Aroclor-1221	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
Aroclor-1232	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
Aroclor-1242	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
Aroclor-1248	ug/kg	59	540	670	110	430
Aroclor-1254	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
Aroclor-1260	ug/kg	ND (38)	ND (80)	ND (78)	ND (42)	ND (78)
General Chemistry						
Total Solids	percent	87.3	82.2	94.6	78.3	84.3

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Notes:

ND - Non-detect at associated value.

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C-E ENVIRONMENTAL, INC.

PRELIMINARY SITE ASSESSMENT
FORMER DISPOSAL AREA
FINAL REPORT

HYDRA-MATIC PLANT

TOLEDO, OHIO

PREPARED FOR:

HYDRA-MATIC DIVISION
OF
GENERAL MOTORS CORPORATION
TOLEDO, OHIO

MAY 1989

COMBUSTION ENGINEERING

PRELIMINARY SITE ASSESSMENT
FORMER DISPOSAL AREA
FINAL REPORT

HYDRA-MATIC PLANT
TOLEDO, OHIO

Prepared for:

HYDRA-MATIC DIVISION OF
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TOLEDO, OHIO

MAY 1989

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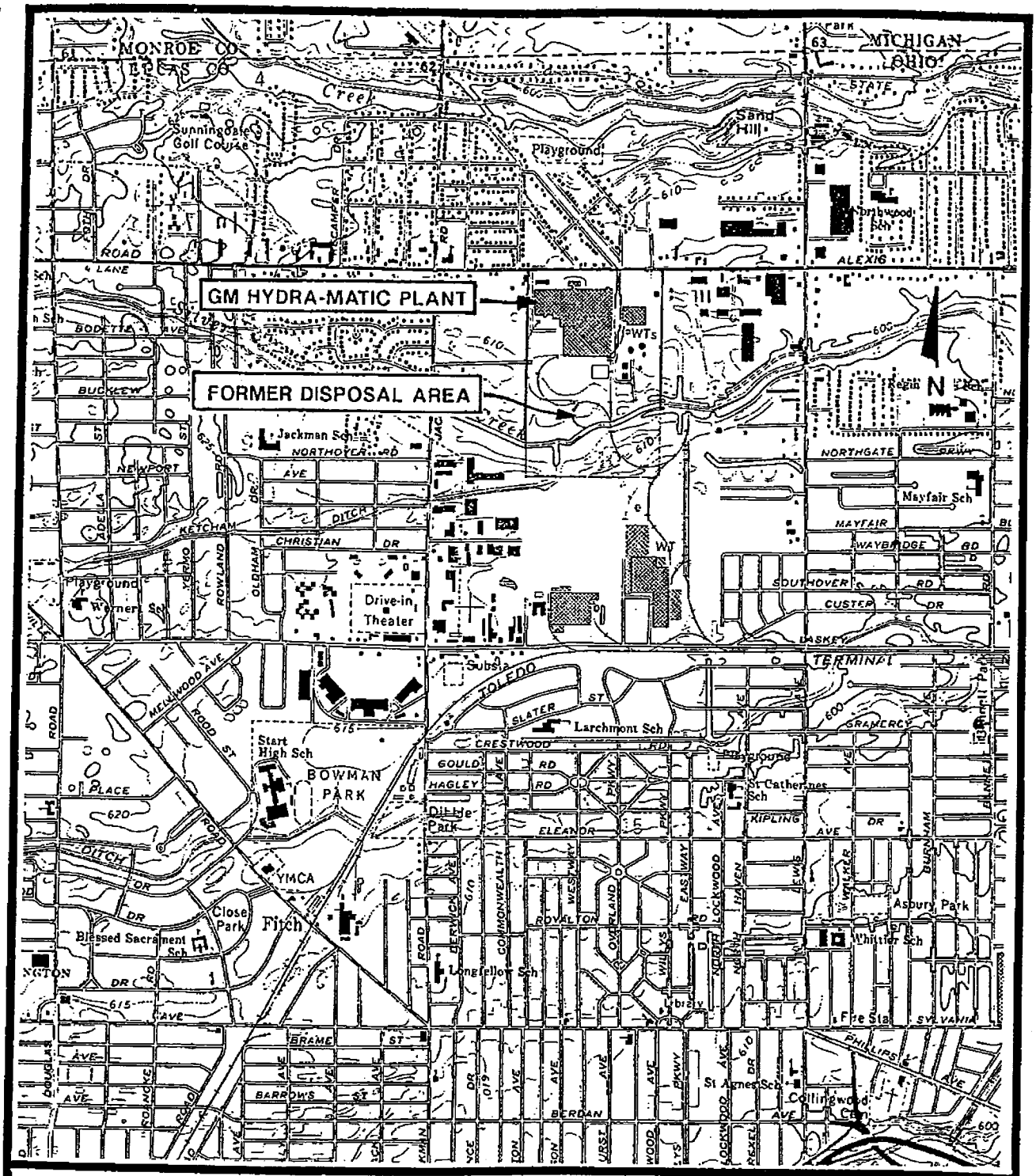
1.0 INTRODUCTION

This report describes the preliminary site assessment that C-E Environmental, Inc./E.C. Jordan (C-EE) conducted for the Hydra-matic Division of General Motors at a former disposal area located at Hydra-matic's facility in Toledo, Ohio (see Figure 1-1).

Hydra-matic recently discovered that a portion of their Toledo plant site, approximately 5 acres in size, was used in the late 1950s and 1960s by General Motors as a disposal area (see Figure 1-2). The disposal area appears to be bounded by railroad tracks to the north and east and by the Silver Creek to the south. Hydra-matic owns all of the land abutting this parcel. According to Hydra-matic, open burning of wastes in the disposal area was a common practice during its operation. An aerial photo of the Hydra-matic facility from the late 1950s shows active waste disposal operations at the former disposal area.

In October, 1988, Hydra-matic personnel found approximately 37 partially full or full 55-gallon drums in the wooded area directly west of the disposal area. Some of the drums contained solid waste materials. None of the drums contained liquids.

In addition, fire-fighter training exercises have been carried out on the northern end of the disposal area. Large pieces of equipment were set on fire by igniting fuels on or around the equipment. In the past, paint sludge was reportedly utilized as a fuel.



SOURCE: USGS QUADRANGLE
TOLEDO, OH-MI, 1980

SCALE

0 2000 4000 FEET

FIGURE 1-1
SITE LOCATION
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

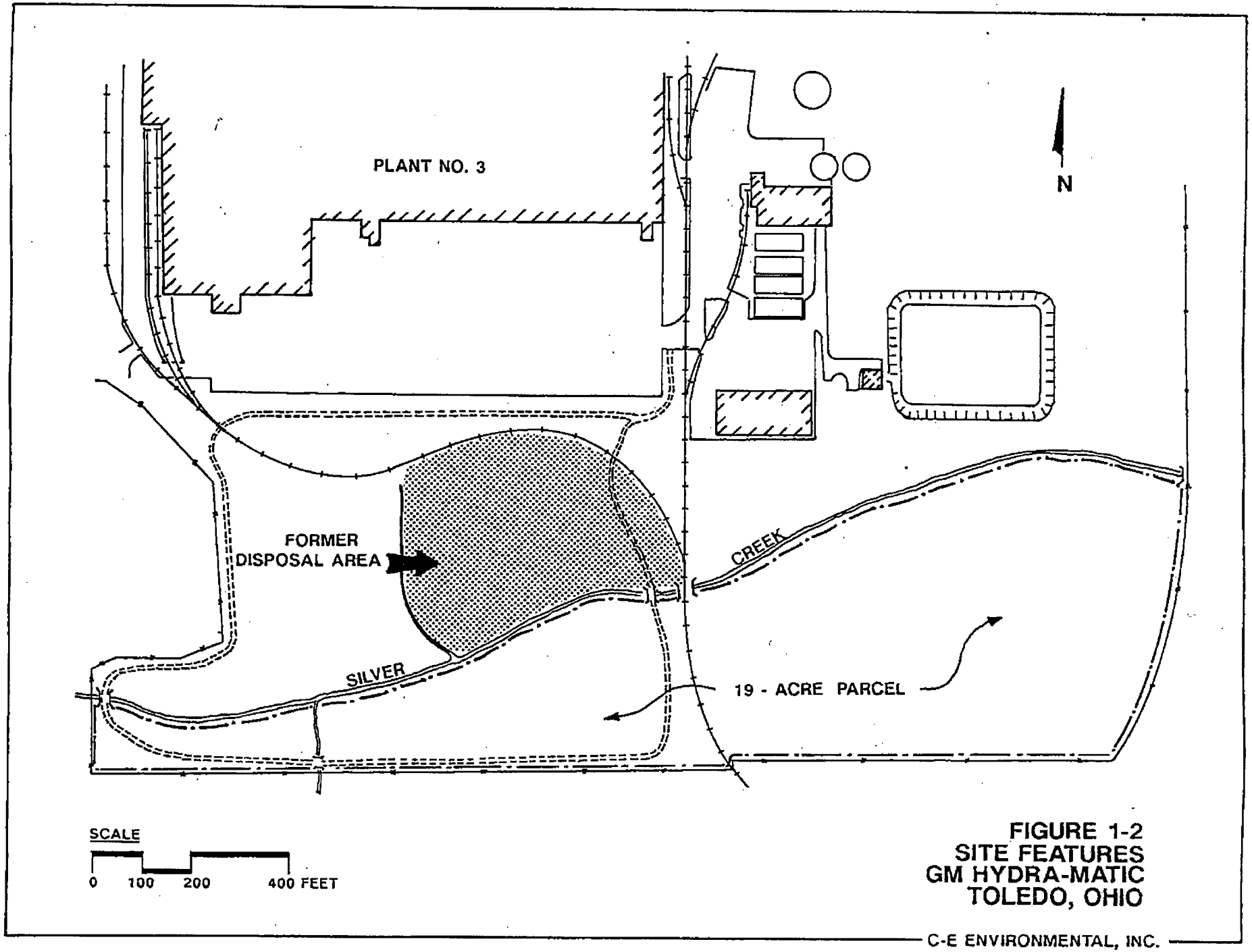


FIGURE 1-2
SITE FEATURES
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

2.0 PROJECT OBJECTIVES

The goal of C-EE's preliminary site assessment was to evaluate the environmental impact of the former disposal area and the fire-fighter training exercises on groundwater underlying the site and on areas adjacent to the disposal area.

The specific objectives of the preliminary site assessment were as follows:

(a) estimate the boundary of drums deposited along the western edge of the disposal area;

(b) generally identify the contents of the disposal area;

(c) assess the impact of the disposal area on the sediments and water quality in Silver Creek;

(d) evaluate the extent of soil and groundwater contamination resulting from the disposal area and fire-fighter training exercises;

(e) assess if contaminants were transported from the disposal area site, via airborne ash from the open burning or surface runoff, to the Hydra-matic-owned parcel (approximately 19 acres) south of the disposal area.

3.0 SITE INVESTIGATION

The site investigation described in this section, was conducted by C-EE from December 21, 1988 to January 26, 1989. The investigation included a magnetometer survey, soil borings, monitoring well installation, and sampling and analysis. Analytical services were provided by Clayton Environmental Consultants (Clayton), Novi, Michigan. Drilling services were provided by Engineering and Testing Services Inc. (ETS), Plymouth, Michigan.

3.1 MAGNETOMETER SURVEY

On October 21, 1988, Hydra-matic discovered approximately 37 partially full or full 55-gallon drums in a wooded area directly west of the disposal area. To determine if buried drums are present west of the disposal area, a magnetometer survey was conducted by C-EE from January 3 through January 5.

Prior to the magnetometer survey, C-EE established a 100-foot grid over the area of interest. The survey began at the assumed western edge of the 5-acre disposal area, extended westward to the existing fence, south to the Silver Creek, and north to the railroad tracks (see Figure 3-1). The grid provided ground control for the magnetometer survey.

C-EE used an EDP Omni Plus Magnetometer to collect magnetic readings at a total of 715 stations over the 5-acre area. The measurements were collected at 20-foot intervals using on the established grid. There were two areas in which measurements were obtained at 10-foot intervals to focus on suspected magnetic anomalies. Results of the magnetometer survey are presented in Section 4.1.

3.2 SOIL BORINGS

To evaluate the extent of soil contamination resulting from the disposal area and fire-fighter training exercises, soil samples were collected from six borings drilled by ETS from January 17 through January 20 (see Figure 3-2). Monitoring wells were installed in five of the borings as described in Section 3.3.

The borings were drilled with a truck-mounted CME 55 drilling rig using 4.25-inch ID hollow-stem augers. Depths of the borings ranged from 8.5 feet in MW-2, MW-3, and MW-4 to 38.5 feet in MW-1. Logs for the six borings are provided in Appendix A.

It should be noted that the original boring for MW-1 which extended to a depth of 38.5 feet was abandoned by filling the borehole with a thick bentonite slurry, MW-1 was subsequently installed in a borehole drilled approximately 5 feet southwest of the original location.

In all borings, continuous soil samples were collected by driving a two-foot split-spoon sampler at 2.5-foot intervals during drilling. The samples were placed in jars, logged by C-EE's geologist, and screened for the presence of

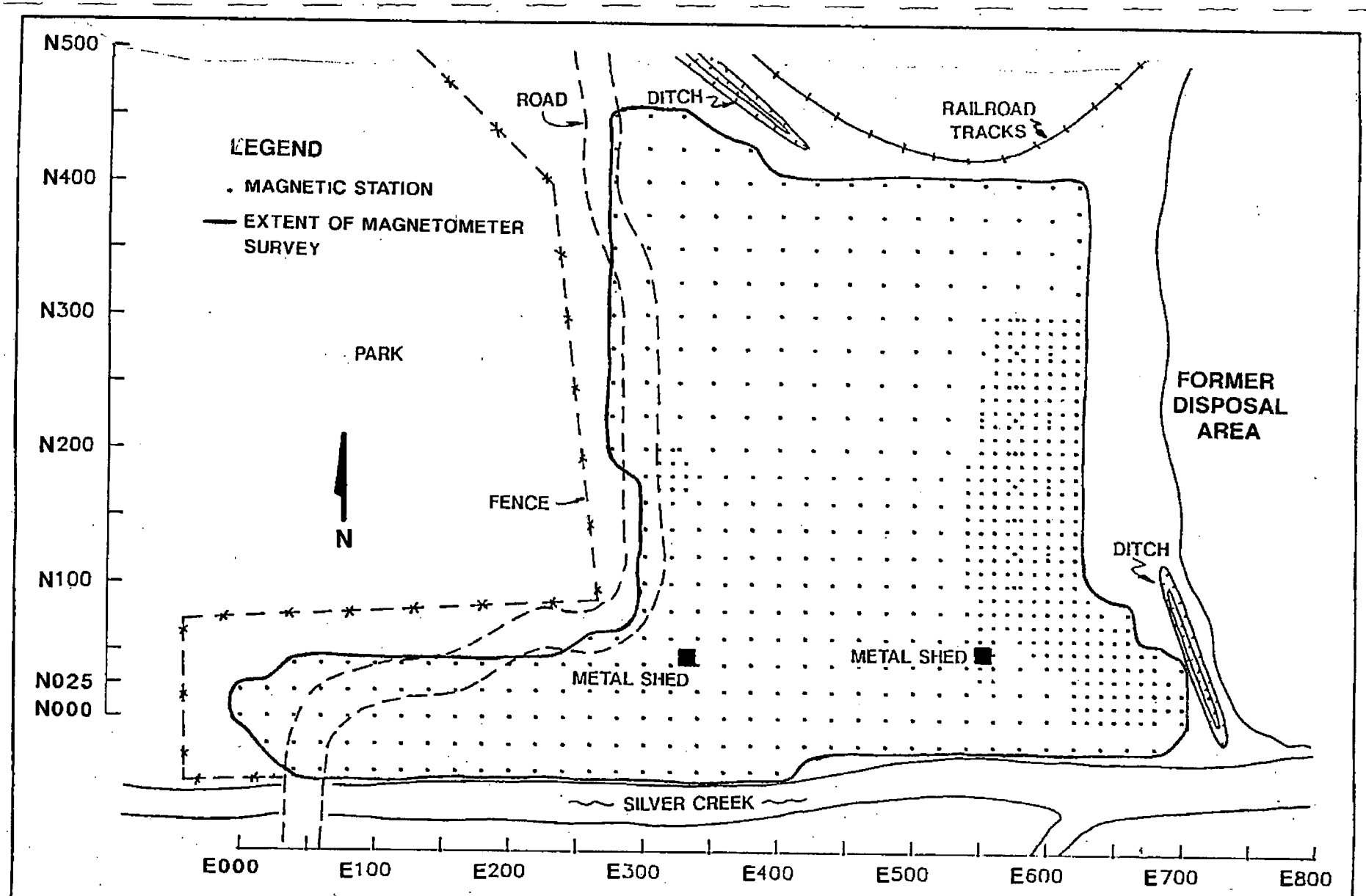


FIGURE 3-1
EXTENT OF MAGNETOMETER SURVEY
GM HYDRA-MATIC TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

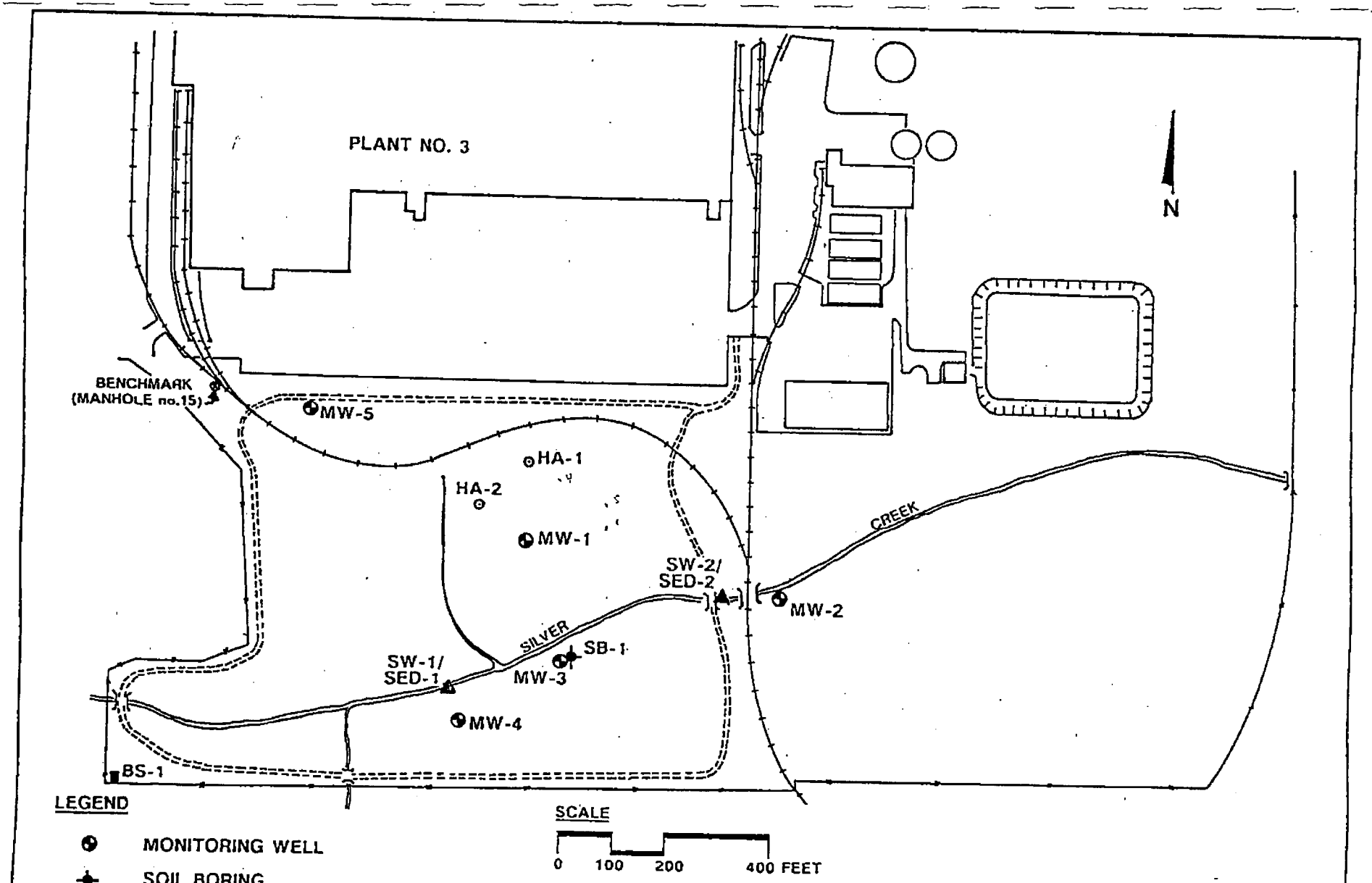


FIGURE 3-2
SOIL BORING, MONITORING WELL, AND SAMPLING LOCATIONS
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

volatile organic compounds (VOCs) in the field with a photoionization (PI) meter. Samples not submitted for analysis were retained for geologic reference.

Three soil samples and one waste sample collected during drilling were submitted to Clayton for analysis of Hazardous Substance List (HSL) volatiles and semi-volatiles, polychlorinated biphenyls (PCBs), and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver). The waste sample was collected from MW-1 at a depth of 3.5 to 5.5 feet. The purpose of submitting this sample was to chemically characterize the waste within the disposal area. The analytical results for this waste sample are presented in Section 4.3. The remaining three samples were collected from borings MW-2, MW-3, and MW-4 at the 0 to 2-foot depth interval. These three samples were analyzed to determine if contaminants, carried by runoff from the disposal area or transported by ash and/or other airborne debris, were deposited on surface soils south of the Silver Creek.

In addition to the three soil samples described above, C-EE collected and submitted for analysis one surface soil sample (BS-1) obtained south of the Silver Creek (see Figure 3-2). This sample was intended to represent background surface soil conditions for the site. For quality control, a duplicate of BS-1 was also submitted for analysis. A discussion of the analytical results for all five soil samples is presented in Section 4.4.

3.3 MONITORING WELL INSTALLATIONS

Monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 were installed from January 17 through January 20 to provide piezometric and groundwater quality data. MW-1 was screened below the disposal area to characterize groundwater quality directly beneath the waste material. Monitoring wells MW-2, MW-3, and MW-4, were installed to evaluate impact of the disposal area on groundwater beneath the 19-acre parcel south of the Silver Creek. MW-5 was placed upgradient of the disposal area to represent background groundwater quality.

The wells were constructed of 2-inch ID, flush-threaded, PVC casing and a 5-foot long, 10-slot (0.010 inch) PVC well screen. Each well screen was set in a shallow aquifer at total depths ranging from 8.5 feet to 15 feet. The well screens were placed so that they straddled the water table. This construction feature allows for the measurement of floating chemicals and for seasonal fluctuation of the water table. The annular space around each well screen was packed with 0.48-mm silica (quartz) sand from the bottom of the screen to approximately 2 feet above the top of the screen. A two-foot thick bentonite ("Hole Plug") seal was placed above the sand pack. Any remaining annular space was filled with a thick bentonite slurry. A one-foot thick cement seal was placed at the ground surface with a lockable, steel protective casing cemented in place over the well riser. Monitoring well construction details are included with the boring logs in Appendix A.

Following installation, each well was developed by surging with potable water in an attempt to yield groundwater free of fine-grained sediments. However, due to the soils (fine sands and silt), in which the wells were set, the wells continued to produce fine sediments following development.

3.4 HAND-AUGER BORINGS

On January 25, C-EE completed two hand-auger borings (HA-1 and HA-2) at the disposal area in areas that appeared to have been charred during the fire-fighter training exercises (see Figure 3-2). The total depths of each boring were 8 feet in HA-1 and 5 feet in HA-2. (See Appendix A for boring logs). Soil samples were collected from the two hand-auger borings and composited at two-foot intervals.

Based on visual observation and results of the PI screening, composite samples representing the 0- to 2-foot depth interval in each boring were submitted to Clayton for analysis of HSL volatile and semi-volatile organics, PCBs, and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver). Analytical results for these soil samples are presented in Section 4.3.

3.5 SILVER CREEK WATER AND SEDIMENT SAMPLING

To assess the impact of the disposal area on sediments and water quality in the Silver Creek, C-EE collected two sediment samples and two water samples from the creek on January 25. Samples were collected at locations both upstream and downstream of the disposal area site as shown in Figure 3-2.

The surface water samples were collected by dipping the sample bottles directly into the water. Creek sediment was then collected at the same location with a stainless-steel scoop from the top six inches of sediment. See Appendix B for field sampling data records.

Following collection, the water and sediment samples were submitted to Clayton for laboratory analysis. The unfiltered creek water samples were analyzed for HSL volatiles and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver). Creek sediment samples were analyzed for the HSL volatiles and semi-volatiles, PCBs, and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver). Analytical results for the creek water and sediment samples are presented in Section 4.5.

3.6 SURVEYING

On January 26, C-EE surveyed to determine the vertical elevation and horizontal locations of the monitoring wells, boring SB-1, hand-auger borings, creek samples, and the background surface soil sample. For the monitoring wells, ground elevations as well as top-of-well-casing elevation were measured. Only

ground elevations were measured for the remaining sampling locations. All elevation measurements were referenced to the rim of storm-drain manhole Number 15 (see Figure 3-2) and were completed to a precision of 0.01 foot. Approximate horizontal locations relative to the base map provided by Hydra-matic were measured using a tape and compass. Table 3-1 provides the elevation data obtained during the survey.

3.7 GROUNDWATER SAMPLING

Groundwater samples were collected from the five monitoring wells on January 25. Prior to sampling, the static water levels and well depths were measured from the top of each well casing. The volume of water standing inside the well casing was calculated, and three water volumes were evacuated from the well (or the well was bailed dry) using a Teflon bailer. Groundwater temperature, pH, and specific conductance were recorded during purging and just before sampling. These measurements were used to indicate that a representative groundwater sample was being collected. Once these three parameters stabilized, it was assumed that all stagnant water in the well casing had been removed. See Appendix B for field sampling data sheets.

After purging each well, groundwater samples were collected with a Teflon bailer. Following collection, the samples were submitted to Clayton for analysis of dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver) and HSL volatiles. The aliquot of each groundwater sample to be analyzed for dissolved metals was pressure-filtered with nitrogen in a 2.4-liter barrel filter using a membrane filter with a 0.45-micron pore size. Following the filtering step, each sample was preserved with nitric acid.

The Teflon bailer used for sample collection was decontaminated with TSP and water between monitoring well locations. The decontamination procedures were verified by submitting a sampler blank to the laboratory for analysis. A sampler blank is a distilled water sample handled and processed in the same manner as a groundwater sample (i.e., it is poured into the bailer and into sample bottles, filtered, and preserved). In addition to the sampler blank, one duplicate sample of MW-5 and one trip blank were submitted for analysis.

TABLE 3-1

ELEVATION DATA
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

LOCATION	TOP OF CASING ELEVATION	GROUND ELEVATION
MW-1	612.24	609.79
MW-2	602.38	600.18
MW-3	603.97	601.96
MW-4	605.90	603.79
MW-5	610.12	607.77
HA-1	-	609.28
HA-2	-	609.30
BS-1	-	602.39
SED-1	-	595.92
SED-2	-	595.75
BENCHMARK	-	608.39

NOTES:

1. All measurements in feet.
2. Benchmark was the rim of storm sewer manhole Number 15, shown in Figure 3-2.

4.0 RESULTS

This section presents the results of the site investigation activities described in Section 3.0. Results of the analysis of waste, soil, sediment, groundwater, and surface water samples are presented. In addition, the findings of the magnetometer survey and the subsurface exploration tasks are described.

4.1 MAGNETOMETER SURVEY

The magnetometer survey revealed several areas of intense magnetic readings which could be explained by the railroad tracks, fencing, and two metal sheds onsite (see Figure 4-1).

After collecting magnetic readings at 20-foot intervals over the 100-foot survey grid, there were two areas where a more detailed investigation was warranted. As a result, magnetic readings were collected at 10-foot intervals in the areas noted as Anomalies A and B in Figure 4-1. The magnetic readings observed at Anomaly A were probably due to steel reinforcing rod in a concrete slab and concrete rubble in the immediate area. Anomaly B also contained surface debris (reinforced concrete) but, unlike Anomaly A, the topography at B is hummocky and mounded suggesting the presence of buried objects.

Limited excavations should be conducted in the area of Anomaly B to verify that the magnetic readings noted in this area were in fact due to metallic surface debris and not associated with buried drums.

4.2 HYDROGEOLOGY

The Hydra-matic plant is located in the Ottawa River basin which drains to Lake Erie by way of the Ottawa River. The geology is characterized by approximately 50 to 80 feet of unconsolidated glacial drift overlying Silurian-age dolomites and evaporites.

Based upon inspection of the soil samples collected during drilling, geologic materials at the Hydra-matic site consist of clayey and silty sands to a depth of approximately 5 to 8 feet. From 8 to 32 feet, silty clay till was encountered. Underlying the clay till is a groundwater-yielding zone of fairly well-sorted medium and fine sands. Figure 4-2 presents a cross-sectional view of the deposits encountered during the drilling program.

Shallow groundwater was encountered onsite at depths ranging from 6 to 14 feet in a saturated zone that immediately overlies the clay till. Elevation data and static water level measurements obtained on January 25 are included in Table 4-1.

A deeper aquifer was encountered during drilling in both MW-1 and SB-1. The groundwater level in SB-1 rose to 23 feet below grade after 15 minutes. This observation indicates that the clay till separating the shallow and deep

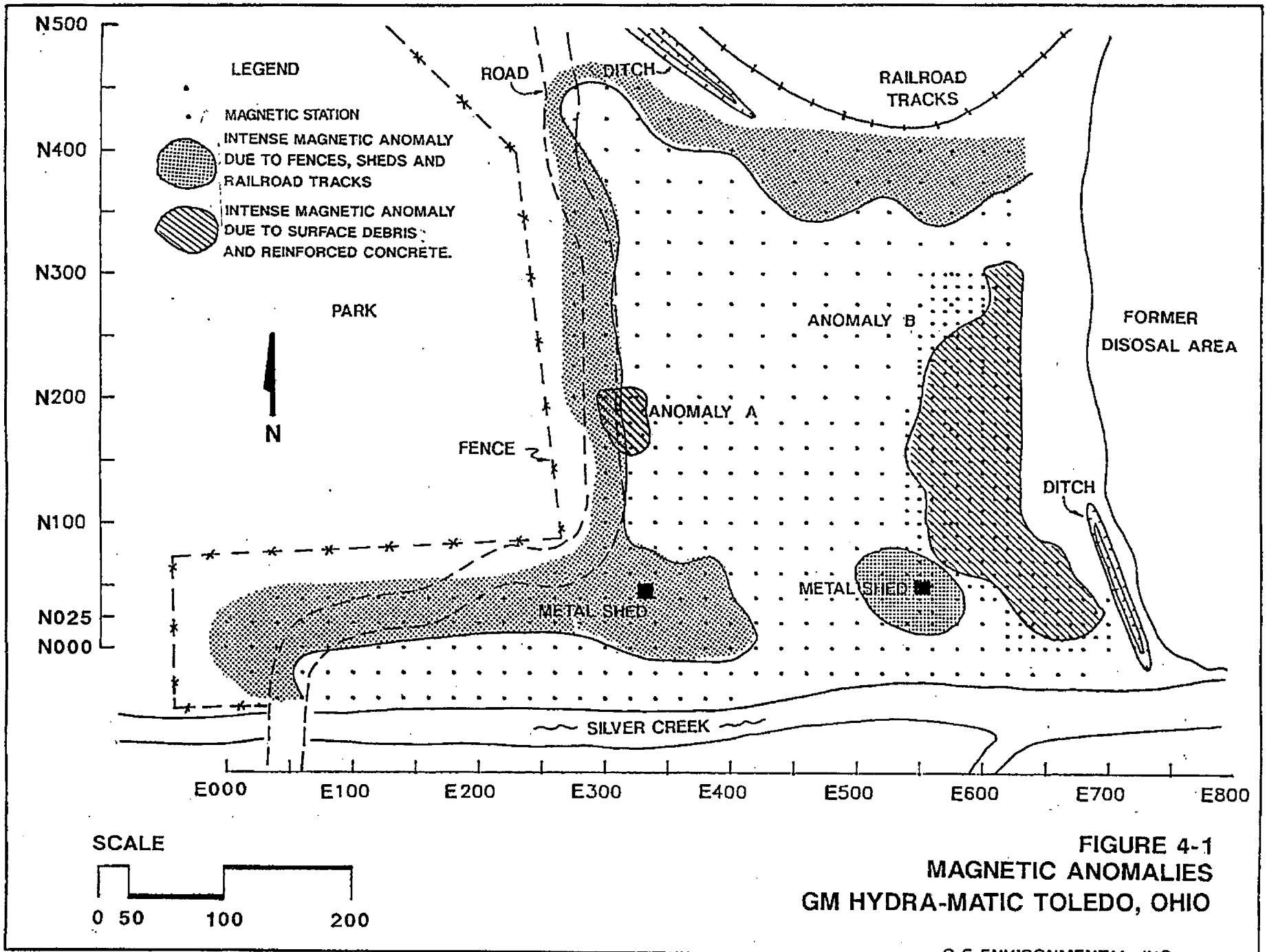


FIGURE 4-1
MAGNETIC ANOMALIES
GM HYDRA-MATIC TOLEDO, OHIO

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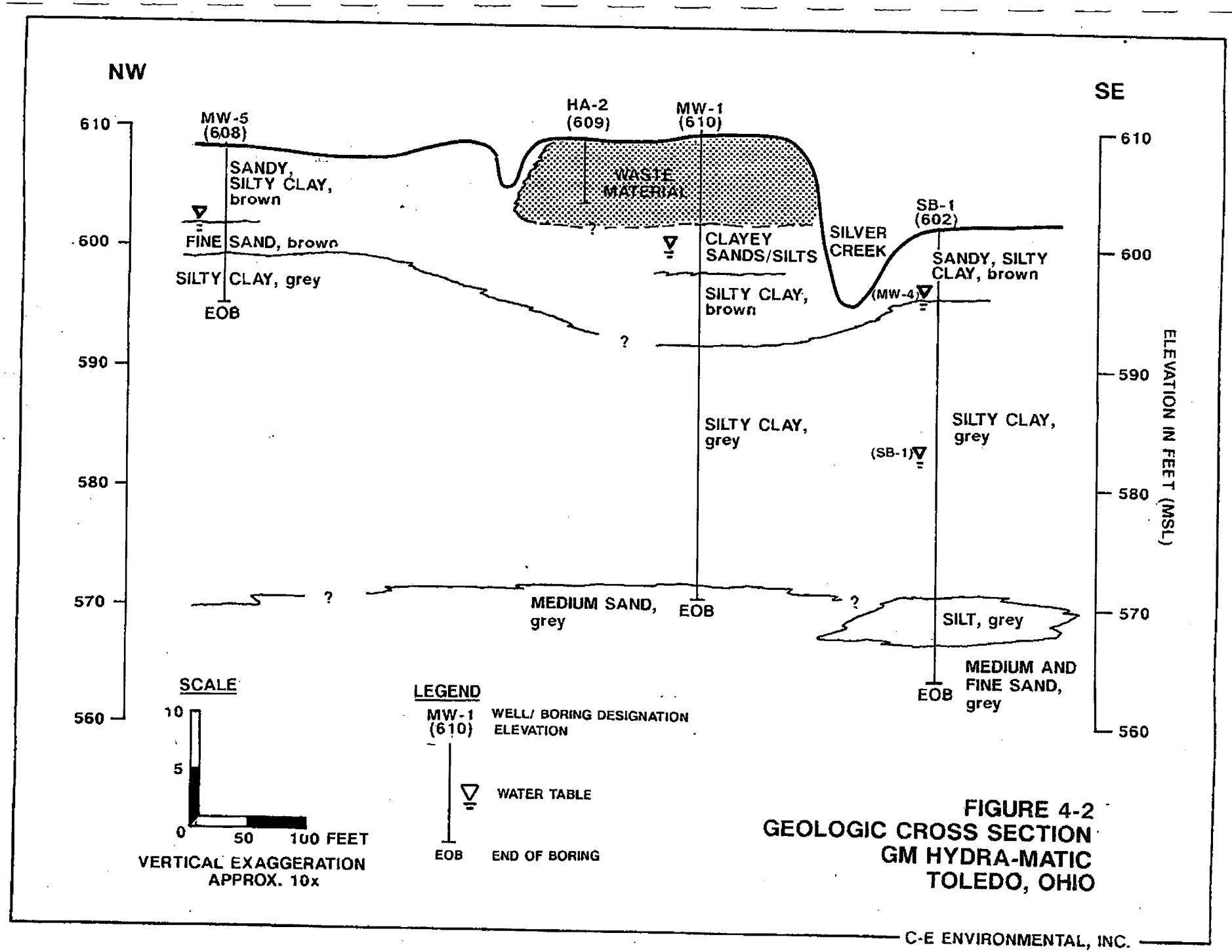


FIGURE 4-2
GEOLOGIC CROSS SECTION
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

TABLE 4-1

STATIC WATER LEVELS AND ELEVATION DATA
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

WELL NO.	TOP OF CASING ELEVATION	STATIC WATER LEVEL ELEVATION	DEPTH TO BOTTOM OF WELL
MW-1	612.24	601.90	15.0
MW-2	602.38	596.24	8.5
MW-3	603.97	597.04	8.5
MW-4	605.90	599.10	8.5
MW-5	610.12	603.74	10.0

NOTES:

1. All measurements in feet.
2. Elevations were referenced to the rim of storm sewer manhole Number 15 shown in Figure 3-2.
3. Water level measurements taken on January 25, 1989.

aquifers may act as a barrier to hydraulic communication between the two water-bearing zones.

Based upon groundwater and surface water (creek) elevation data, it appears that groundwater in the area of the disposal area generally flows southward toward the Silver Creek. On the 19-acre parcel south of the Silver Creek, groundwater tends to flow in a north to northeast direction also towards the creek (Figure 4-3).

4.3 WASTE MATERIAL IN THE FORMER DISPOSAL AREA

Based upon information provided by Hydra-matic, it was originally estimated that the waste within the former disposal area extended to a depth of approximately 30 feet with the deepest point being in the area of MW-1 (see Figure 3-2). During drilling at MW-1, it was discovered that the waste only extended to a depth of 8 feet. The waste material found in the borehole at MW-1 was a dark brown to black, clayey material with lenses of metallic material. Traces of charred wood were also found within the waste.

Hand-auger borings HA-1 and HA-2 were advanced through the waste in areas where fire-fighter training exercises were carried out (see Figure 3-2). Boring HA-1 extended to a total depth of 8 feet and revealed waste to a depth of 4 feet. At HA-2, the hand-auger met refusal at 5-feet due to pieces of metal within the waste. This prevented a determination of the depth to the bottom of the waste at HA-2. The waste material at HA-1 was visually similar to that found at MW-1. The waste at HA-2 contained pieces of metal accompanied by rusty and yellowish materials.

Three waste samples (one each from MW-1, HA-1, and HA-2) were submitted to Clayton for laboratory analysis. Analytical results for these three samples are presented in Tables 4-2 through 4-5. The laboratory analytical reports are included in Appendix C.

Results of the analysis for HSL volatile organics show concentrations of acetone, a common laboratory contaminant, in all three of the samples (see Table 4-2). Methylene chloride, also a common laboratory contaminant, was detected in the HA-2 waste sample along with toluene.

Several base/neutral extractable semi-volatile organic compounds were detected in two of the waste samples (Table 4-3). Those detected in the HA-2 sample were at concentrations less than 1,600 micrograms per kilogram or ppb. The waste sample from MW-1 exhibited concentrations of fluoranthene (13,000 ppb), phenanthrene (11,000 ppb), and pyrene (8,000 ppb).

The PCB compound, Arochlor 1248, was detected in waste samples from both HA-1 and HA-2 (see Table 4-4). HA-2 exhibited 60,000 ppb of PCB.

Compared to the concentrations of metals detected in the background soil sample (BS-1) and its duplicate (BS-100), elevated concentrations of metals are evident for all three waste samples (see Table 4-5). Of particular note

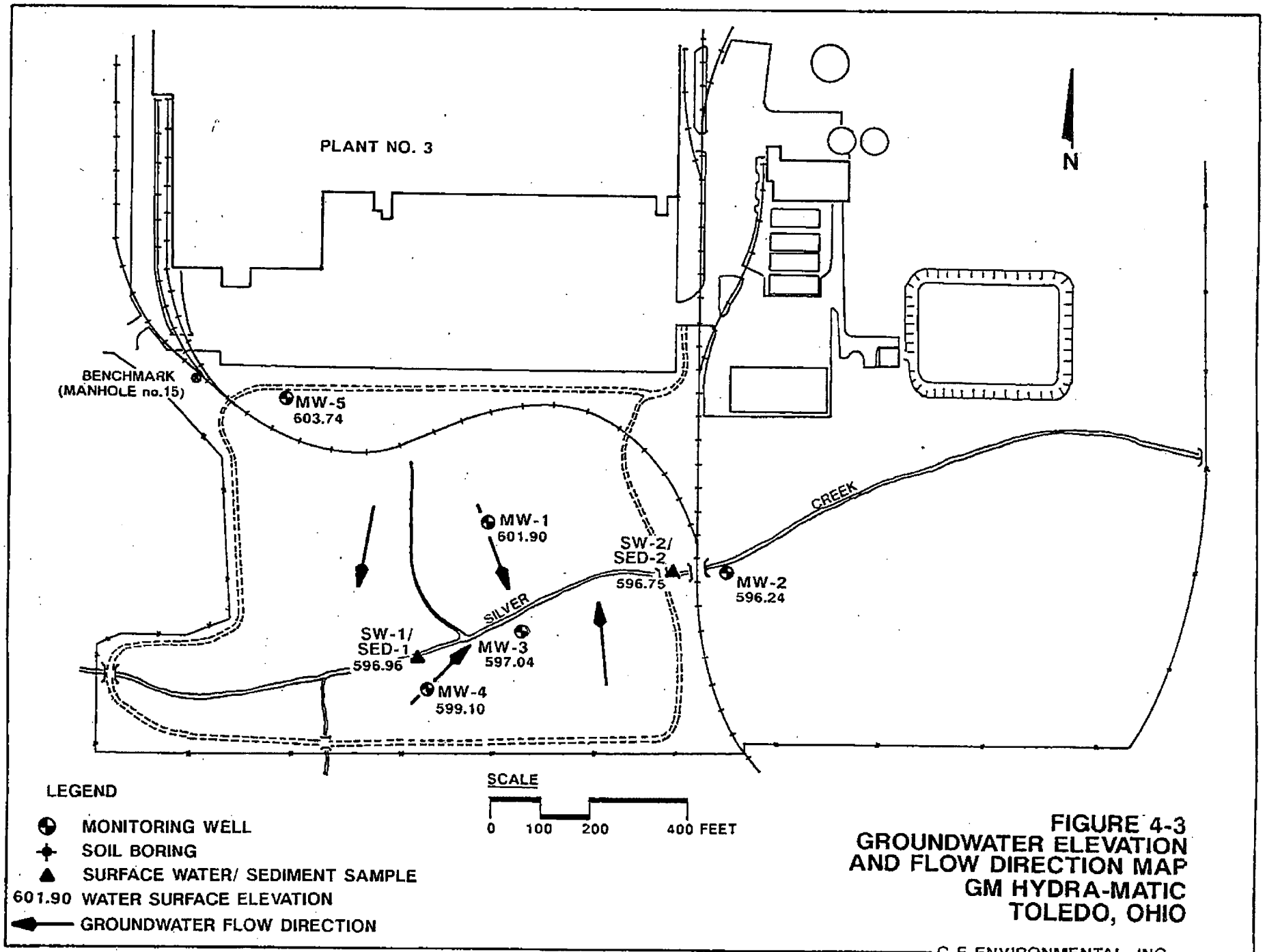


FIGURE 4-3
GROUNDWATER ELEVATION
AND FLOW DIRECTION MAP
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

TABLE 4-2

VOLATILE ORGANICS IN WASTE/SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

VOLATILE ORGANIC COMPOUNDS	MW-2 0-2'	MW-3 0-2'	MW-4 0-2'	MW-1 3.5-5.5' (WASTE)	HA-1 0-2' (WASTE)	HA-2 0-2' (WASTE)	BS-1 (BACKGROUND SOIL)	BS-100 (DUP OF BS-1)
Acetone	60	140	140	50	40	30	40	50
Benzene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Bromodichloromethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Bromoform	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon Disulfide	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Carbon Tetrachloride	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Chlorobenzene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloroethylvinylether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloromethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,1-Dichloroethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,2-Dichloroethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,1-Dichloroethene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
trans-1,2-Dichloroethene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,2-Dichloropropane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
cis-1,3-Dichloropropene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
trans-1,3-Dichloropropene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Ethylbenzene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	< 6	< 6	< 6	< 6	< 6	11	< 6	< 6
4-Methyl-2-Pentanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Styrene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,1,2,2-Tetrachloroethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tetrachloroethene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Toluene	< 6	< 6	< 6	< 6	< 6	22	< 6	< 6
1,1,1-Trichloroethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
1,1,2-Trichloroethane	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Trichloroethene	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Vinyl Acetate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Xylenes (total)	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Total Solids (%)	84	86	84	85	84	78	82	78

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-3

BASE/NEUTRAL EXTRACTABLE ORGANICS IN WASTE/SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS	MW-2 0-2'	MW-3 0-2'	MW-4 0-2'	MW-1 3.5-5.5' (WASTE)	HA-1 0-2' (WASTE)	HA-2 0-2' (WASTE)	BS-1 (BACKGROUND SOIL)	BS-100 (DUP OF BS-1)
Acenaphthene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Acenaphthylene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Anthracene	< 400	< 400	< 800	3,000	< 800	< 900	< 800	< 900
Benzo (a) Anthracene	< 400	< 400	< 800	4,000	< 800	< 900	< 800	< 900
Benzo (b) Fluoranthene	< 400	< 400	< 800	4,000	< 800	900	< 800	< 900
Benzo (k) Fluoranthene	< 400	< 400	< 800	3,000	< 800	1,100	< 800	< 900
Benzo (a) Pyrene	< 400	< 400	< 800	4,000	< 800	900	< 800	< 900
Benzo (g,h,i) Perylene	< 400	< 400	< 800	2,000	< 800	< 900	< 800	< 900
Benzyl Alcohol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Butylbenzylphthalate	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Bis(2-Chloroethyl)Ether	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Bis(2-Chloroethoxy)Methane	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Bis(2-Chloroisopropyl)Ether	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Bis (2-Ethylhexyl) Phthalate	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
4-Bromophenyl-Phenylether	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
4-Chloroaniline	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2-Chloronaphthalene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
4-Chlorophenyl-Phenylether	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Chrysene	< 400	< 400	< 800	5,000	< 800	1,000	< 800	< 900
Dibenzo (a,h) Anthracene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Dibenzofuran	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Di-n-Butylphthalate	400	900	< 800	< 2,000	< 800	< 900	< 800	< 900
1,2-Dichlorobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
1,3-Dichlorobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
1,4-Dichlorobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
3,3-Dichlorobenzidine	< 800	< 800	< 2,000	< 3,000	< 2,000	< 2,000	< 2,000	< 2,000
Diethylphthalate	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Dimethyl Phthalate	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,4-Dinitrotoluene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,6-Dinitrotoluene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Di-n-Octyl Phthalate	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Fluoranthene	< 400	< 400	< 800	13,000	< 800	1,200	1,100	< 900
Fluorene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Hexachlorobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Hexacholorobutadiene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Hexachlorocyclopentadiene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Hexachloroethane	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Indeno (1,2,3-cd) Pyrene	< 400	< 400	< 800	3,000	< 800	< 900	< 800	< 900
Isophorone	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2-Methylnaphthalene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Naphthalene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2-Nitroaniline	< 2,000	< 2,000	< 4,000	< 8,000	< 800	< 4,000	< 4,000	< 900
3-Nitroaniline	< 2,000	< 2,000	< 4,000	< 8,000	< 800	< 4,000	< 4,000	< 900
4-Nitroaniline	< 2,000	< 2,000	< 4,000	< 8,000	< 800	< 4,000	< 4,000	< 900
Nitrobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
N-Nitroso-Di-n-Propylamine	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
N-Nitrosodiphenylamine	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Phenanthrene	< 400	< 400	< 800	11,000	< 800	< 900	900	< 900
Pyrene	< 400	< 400	< 800	8,000	< 800	1,600	1,000	< 900
1,2,4-Trichlorobenzene	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Total Solids (%)	84	86	84	85	84	78	82	78

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-3 (con't)
ACID-EXTRACTABLE ORGANICS IN WASTE/SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

ACID-EXTRACTABLE ORGANIC COMPOUNDS	MW-2 0-2'	MW-3 0-2'	MW-4 0-2'	MW-1 3.5-5.5' (WASTE)	HA-1 0-2' (WASTE)	HA-2 0-2' (WASTE)	BS-1 (BACKGROUND SOIL)	BS-100 (DUP OF BS-1)
Benzoic Acid	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
4-Chloro-3-Methylphenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2-Chlorophenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,4-Dichlorophenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,4-Dimethylphenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,4-Dinitrophenol	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
2-Methylphenol-4,6-dinitrophenol	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
2-Methylphenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
4-Methylphenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2-Nitrophenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
4-Nitrophenol	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
Pentachlorophenol	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
Phenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
2,4,5-Trichlorophenol	< 2,000	< 2,000	< 4,000	< 8,000	< 4,000	< 4,000	< 4,000	< 4,000
2,4,6-Trichlorophenol	< 400	< 400	< 800	< 2,000	< 800	< 900	< 800	< 900
Total Solids (%)	84	86	84	85	84	78	82	78

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-4
POLYCHLORINATED BIPHENYLS (PCBS) IN WASTE/SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

PCB ORGANIC COMPOUNDS	MW-2 0-2'	MW-3 0-2'	MW-4 0-2'	MW-1 3.5-5.5' (WASTE)	HA-1 0-2' (WASTE)	HA-2 0-2' (WASTE)	BS-1 (BACKGROUND SOIL)	BS-100 (DUP OF BS-1)
Arochlor 1016	< 96	< 93	< 94	< 190	< 3,800	< 10,000	< 1,900	< 2,100
Arochlor 1221	< 96	< 93	< 94	< 190	< 3,800	< 10,000	< 1,900	< 2,100
Arochlor 1232	< 96	< 93	< 94	< 190	< 3,800	< 10,000	< 1,900	< 2,100
Arochlor 1242	< 96	< 93	< 94	< 190	< 3,800	< 10,000	< 1,900	< 2,100
Arochlor 1248	< 96	< 93	< 94	< 190	4,700	60,000	4,300	3,300
Arochlor 1254	< 190	< 190	< 190	< 380	< 7,600	< 21,000	< 3,900	< 3,900
Arochlor 1260	< 190	< 190	< 190	< 380	< 7,600	< 21,000	< 3,900	< 3,900

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-5
INORGANICS IN WASTE/SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

TOTAL METALS	MW-2 0-2'	MW-3 0-2'	MW-4 0-2'	MW-1 3.5-5.5' (WASTE)	HA-1 0-2' (WASTE)	HA-2 0-2' (WASTE)	BS-1 (BACKGOUND SOIL)	BS-100 (DUP OF BS-1)
ARSENIC	5.1	3.3	6.8	24	17	27	5.7	6.2
BARIUM	65	40	70	390	210	350	64	66
CADMIUM	0.7	< 0.2	< 0.2	2.0	3.2	7.1	< 0.2	< 0.2
CHROMIUM	11	7	12	260	530	530	16	16
COPPER	9.1	5.7	12	700	320	1,400	22	22
LEAD	14	8	10	120	190	600	14	15
MERCURY	0.07	< 0.05	< 0.05	0.28	0.11	< 0.05	< 0.05	< 0.05
SELENIUM	< 0.8	< 0.8	< 0.8	< 0.8	< 2	< 2	< 0.8	< 0.8
SILVER	< 0.4	< 0.4	< 0.4	2.4	1.5	3.5	< 0.4	0.4
ZINC	54	33	45	650	72	82	6.5	6.3

Notes:
1. All concentrations in mg/kg (ppm).

are the concentrations of lead (120 to 600 milligrams per kilogram or ppm) and chromium (260 to 530 ppm).

4.4 SOILS

Soil samples from the 0- to 2-foot depth interval at MW-2, MW-3, and MW-4 were submitted for laboratory analysis. Analytical results for these samples are presented in Tables 4-2 through 4-5, and laboratory analytical reports are included in Appendix C.

Acetone, a common laboratory contaminant, was detected at concentrations ranging from 40 to 140 ppb in the soil samples. No other HSL volatile organic compounds were detected in the samples as summarized in Table 4-2.

Of the semi-volatile compounds (base/neutral and acid extractable organics) only di-n-butylphalate, was detected in the soil samples from MW-2 and MW-3 (see Tables 4-3). No semi-volatiles were detected in the soil sample from MW-4.

No PCBs were detected in any of the three soil samples submitted from MW-2, MW-3, and MW-4. However, Arochlor 1248 was detected in the background soil sample BS-1 and its duplicate BS-100. The detection of this PCB compound cannot be attributed to field sampling procedures or cross-contamination during laboratory analysis.

As shown in Table 4-5, concentrations of metals in soil samples MW-2, MW-3, and MW-4 were below or only slightly higher than those detected in BS-1 and BS-100 with the exception of zinc. Although present at levels above background in all three soil samples, the zinc concentrations are not considered significant. Depending on the soil type, concentrations of zinc in soils of southern Michigan can range from 0 to 50 ppm.

4.5 CREEK WATER AND CREEK SEDIMENT

Two water samples (SW-1 and SW-2) and two sediment samples (SED-1 and SED-2) were collected from the Silver Creek and submitted for laboratory analysis. Analytical results are presented in Tables 4-6 through 4-9. The laboratory analytical reports are included in Appendix C.

Other than the common laboratory contaminant acetone, which was detected at concentrations ranging from 50 to 110 ppb in both sediment samples, no HSL volatiles were reported in either the creek water or creek sediment samples (see Table 4-6). In addition, PCBs were not detected in the two creek sediment samples (see Tables 4-7 and 4-8). Concentrations of several base/neutral extractable organic compounds were detected in the sediment samples (see Table 4-7). The water samples were not analyzed for PCBs or semi-volatile organic compounds.

Concentrations of the metals, lead (51 ppm) and zinc (79 ppm) were detected in creek sediment sample SED-1 (see Table 4-9).

TABLE 4-6

VOLATILE ORGANICS IN SURFACE WATER AND SEDIMENT
SILVER CREEK
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

VOLATILE ORGANIC COMPOUNDS	SW-1	SW-2	SED-1	SED-2
Acetone	< 10	< 10	50	110
Benzene	< 5	< 5	< 7	< 8
Bromodichloromethane	< 5	< 5	< 7	< 8
Bromoform	< 5	< 5	< 7	< 8
Bromomethane	< 10	< 10	< 10	< 20
2-Butanone	< 10	< 10	< 10	< 20
Carbon Disulfide	< 5	< 5	< 7	< 8
Carbon Tetrachloride	< 5	< 5	< 7	< 8
Chlorobenzene	< 5	< 5	< 7	< 8
Chloroethane	< 10	< 10	< 10	< 20
2-Chloroethylvinylether	< 10	< 10	< 10	< 20
Chloroform	< 5	< 5	< 7	< 8
Chloromethane	< 10	< 10	< 10	< 20
Dibromochloromethane	< 5	< 5	< 7	< 8
1,1-Dichloroethane	< 5	< 5	< 7	< 8
1,2-Dichloroethane	< 5	< 5	< 7	< 8
1,1-Dichloroethene	< 5	< 5	< 7	< 8
trans-1,2-Dichloroethene	< 5	< 5	< 7	< 8
1,2-Dichloropropane	< 5	< 5	< 7	< 8
cis-1,3-Dichloropropene	< 5	< 5	< 7	< 8
trans-1,3-Dichloropropene	< 5	< 5	< 7	< 8
Ethylbenzene	< 5	< 5	< 7	< 8
2-Hexanone	< 10	< 10	< 10	< 20
Methylene Chloride	< 5	< 5	< 7	< 8
4-Methyl-2-Pentanone	< 10	< 10	< 10	< 20
Styrene	< 5	< 5	< 7	< 8
1,1,2,2-Tetrachloroethane	< 5	< 5	< 7	< 8
Tetrachloroethene	< 5	< 5	< 7	< 8
Toluene	< 5	< 5	< 7	< 8
1,1,1-Trichloroethane	< 5	< 5	< 7	< 8
1,1,2-Trichloroethane	< 5	< 5	< 7	< 8
Trichloroethene	< 5	< 5	< 7	< 8
Vinyl Acetate	< 10	< 10	< 10	< 20
Vinyl Chloride	< 10	< 10	< 10	< 20
Xylenes (total)	< 5	< 5	< 7	< 8
Total Solids (%)	NA	NA	75	65
UNITS	ug/l	ug/l	ug/kg	ug/kg

NOTES:

1. NA - Water samples did not contain solids.

TABLE 4-7

BASE/NEUTRAL ORGANICS IN SURFACE WATER AND SEDIMENT
SILVER CREEK
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS	SW-1	SW-2	SED-1	SED-2
Acenaphthene	NA	NA	< 900	< 1,000
Acenaphthylene	NA	NA	< 900	< 1,000
Anthracene	NA	NA	< 900	< 1,000
Benzo (a) Anthracene	NA	NA	< 900	< 1,000
Benzo (b) Fluoranthene	NA	NA	< 900	1,000
Benzo (k) Fluoranthene	NA	NA	< 900	2,000
Benzo (a) Pyrene	NA	NA	< 900	1,000
Benzo (g,h,i) Perylene	NA	NA	< 900	< 1,000
Benzyl Alcohol	NA	NA	< 900	< 1,000
Butylbenzylphthalate	NA	NA	< 900	< 1,000
Bis(2-Chloroethyl)Ether	NA	NA	< 900	< 1,000
Bis(2-Chloroethoxy)Methane	NA	NA	< 900	< 1,000
Bis(2-Chloroisopropyl)Ether	NA	NA	< 900	< 1,000
Bis (2-Ethylhexyl) Phthalate	NA	NA	< 900	< 1,000
4-Bromophenyl-Phenylether	NA	NA	< 900	< 1,000
4-Chloroaniline	NA	NA	< 900	< 1,000
2-Chloronaphthalene	NA	NA	< 900	< 1,000
4-Chlorophenyl-Phenylether	NA	NA	< 900	< 1,000
Chrysene	NA	NA	< 900	1,000
Dibenzo (a,h) Anthracene	NA	NA	< 900	< 1,000
Dibenzofuran	NA	NA	< 900	< 1,000
Di-n-Butylphthalate	NA	NA	< 900	< 1,000
1,2-Dichlorobenzene	NA	NA	< 900	< 1,000
1,3-Dichlorobenzene	NA	NA	< 900	< 1,000
1,4-Dichlorobenzene	NA	NA	< 900	< 1,000
3,3-Dichlorobenzidine	NA	NA	< 2,000	< 2,000
Diethylphthalate	NA	NA	< 900	< 1,000
Dimethyl Phthalate	NA	NA	< 900	< 1,000
2,4-Dinitrotoluene	NA	NA	< 900	< 1,000
2,6-Dinitrotoluene	NA	NA	< 900	< 1,000
Di-n-Ootyl Phthalate	NA	NA	< 900	< 1,000
Fluoranthene	NA	NA	1,200	2,000
Fluorene	NA	NA	< 900	< 1,000
Hexachlorobenzene	NA	NA	< 900	< 1,000
Hexacholorobutadiene	NA	NA	< 900	< 1,000
Hexachlorocyclopentadiene	NA	NA	< 900	< 1,000
Hexachloroethane	NA	NA	< 900	< 1,000
Indeno (1,2,3-cd) Pyrene	NA	NA	< 900	1,000
Isophorone	NA	NA	< 900	< 1,000
2-Methylnaphthalene	NA	NA	< 900	< 1,000
Naphthalene	NA	NA	< 900	< 1,000
2-Nitroaniline	NA	NA	< 4,000	< 5,000
3-Nitroaniline	NA	NA	< 4,000	< 5,000
4-Nitroaniline	NA	NA	< 4,000	< 5,000
Nitrobenzene	NA	NA	< 900	< 1,000
N-Nitroso-Di-n-Propylamine	NA	NA	< 900	< 1,000
N-Nitrosodiphenylamine	NA	NA	< 900	< 1,000
Phenanthrene	NA	NA	< 900	1,000
Pyrene	NA	NA	1,100	2,000
1,2,4-Trichlorobenzene	NA	NA	< 900	< 1,000
Total Solids (%)	NA	NA	75	65
UNITS	NA	NA	ug/kg	ug/kg

Notes:
1. NA - Not analyzed.

TABLE 4-7 (con't)

ACID-EXTRACTABLE ORGANICS IN SURFACE WATER AND SEDIMENT
SILVER CREEK
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

ACID-EXTRACTABLE ORGANIC COMPOUNDS	SW-1	SW-2	SED-1	SED-2
Benzoic Acid	NA	NA	< 4,000	< 5,000
4-Chloro-3-Methylphenol	NA	NA	< 900	< 1,000
2-Chlorophenol	NA	NA	< 900	< 1,000
2,4-Dichlorophenol	NA	NA	< 900	< 1,000
2,4-Dimethylphenol	NA	NA	< 900	< 1,000
2,4-Dinitrophenol	NA	NA	< 4,000	< 5,000
2-Methylphenol-4,6-dinitrophenol	NA	NA	< 4,000	< 5,000
2-Methylphenol	NA	NA	< 900	< 1,000
4-Methylphenol	NA	NA	< 900	< 1,000
2-Nitrophenol	NA	NA	< 900	< 1,000
4-Nitrophenol	NA	NA	< 4,000	< 5,000
Pentachlorophenol	NA	NA	< 4,000	< 5,000
Phenol	NA	NA	< 900	< 1,000
2,4,5-Trichlorophenol	NA	NA	< 4,000	< 5,000
2,4,6-Trichlorophenol	NA	NA	< 900	< 1,000
Total Solids (%)	NA	NA	75	65
UNITS	NA	NA	ug/kg	ug/kg

Notes:
1. NA - Not analyzed.

TABLE 4-8

POLYCHLORINATED BIPHENYLS (PCBs) IN SURFACE WATER AND SEDIMENT
SILVER CREEK
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

PCB ORGANIC COMPOUNDS	SW-1	SW-2	SED-1	SED-2
Arochlor 1016	NA	NA	< 1,100	< 1,600
Arochlor 1221	NA	NA	< 1,100	< 1,600
Arochlor 1232	NA	NA	< 1,100	< 1,600
Arochlor 1242	NA	NA	< 1,100	< 1,600
Arochlor 1248	NA	NA	< 1,100	< 1,600
Arochlor 1254	NA	NA	< 2,100	< 3,200
Arochlor 1260	NA	NA	< 2,100	< 3,200

Notes:
1. All concentrations are reported as ug/kg (ppb).
2. NA - Not analyzed.

TABLE 4-9

INORGANICS IN SURFACE WATER AND SEDIMENT
SILVER CREEK
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

TOTAL METALS	SW-1	SW-2	SED-1	SED-2
ARSENIC	< 0.003	< 0.002	4.6	8.5
BARIUM	0.49	0.37	31	87
CADMIUM	< 0.002	< 0.002	0.3	1.1
CHROMIUM	< 0.02	< 0.02	6	18
LEAD	< 0.02	< 0.02	51	110
MERCURY	< 0.001	< 0.001	< 0.05	0.10
SELENIUM	< 0.003	< 0.002	< 0.8	< 0.8
SILVER	< 0.005	< 0.005	< 0.4	3.4
COPPER	< 0.01	< 0.01	7.1	34
ZINC	0.024	0.019	79	19
UNITS	mg/l	mg/l	ug/g	ug/g

Creek sediment sample SED-2, collected downgradient of the disposal area contained 110 ppm of lead which exceeded the concentration found in SED-1 (51 ppm). No elevated concentrations of metals were indicated by the creek water samples (see Table 4-9).

4.6 GROUNDWATER

In addition to the five groundwater samples collected from the newly installed monitoring wells, three additional water samples were submitted for quality control: one duplicate sample from MW-5, one sampler blank, and one trip blank. Results of the analysis are presented in Tables 4-10 and 4-11; laboratory analytical reports are included in Appendix C.

Trichloroethene (TCE) was detected at a concentration of 16 ppb in well MW-1 (see Table 4-10). Trans-1,2-dichloroethene was also detected in MW-1 at 39 ppb. Acetone, a common laboratory contaminant, was also detected at concentrations in MW-1 (20 ppb) and in the sampler blank MW-200 (10 ppb).

Concentrations of metals were not detected in any of the groundwater samples (see Table 4-11), and the concentrations reported are below applicable drinking water standards.

TABLE 4-10

VOLATILE ORGANICS IN GROUNDWATER
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

VOLATILE ORGANIC COMPOUNDS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-100 (DUP OF MW-5)	MW-200 (SAMPLER BLANK)	TRIP BLANK
Acetone	20	< 10	< 10	< 10	< 10	< 10	10	< 10
Benzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon Disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Tetrachloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloroethylvinylether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	39	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Cis-1,3-Dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trans-1,3-Dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-Pentanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	16	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Xylenes (total)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Notes:
1. All concentrations are reported as ug/l (ppb).

TABLE 4-11

INORGANICS IN GROUNDWATER
GM HYDRA-MATIC, TOLEDO, OHIO
SITE ASSESSMENT STUDY

TOTAL METALS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-100 (DUP OF MW-5)	MW-200 (SAMPLER BLANK)
ARSENIC	< 0.002	< 0.002	< 0.003	< 0.002	< 0.002	< 0.002	< 0.002
BARIUM	0.23	0.18	0.26	0.45	0.54	0.63	< 0.05
CADMIUM	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
CHROMIUM	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
COPPER	< 0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.03
LEAD	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MERCURY	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
SELENIUM	< 0.002	< 0.002	< 0.003	< 0.002	< 0.002	< 0.002	< 0.002
SILVER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
ZINC	0.017	0.029	0.027	0.010	0.008	0.007	0.009

Notes:
1. All concentrations in mg/L (ppm).

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

The magnetometer survey was successful in delineating areas which require further investigation to confirm or refute the presence of buried drums. The data generated for one small area west of the former disposal area indicates the need for further exploration. In addition, this survey helped to better define the boundaries of the disposal area.

C-EE's preliminary assessment has shown that the depth to the bottom of the waste in the disposal area is much shallower than originally expected (8 feet versus 30 feet) and it would appear unlikely that wastes were deposited below the water table within the silty clay till. Analytical results for the three waste samples collected reveal that the material within the disposal area contains elevated concentrations of metals, specifically chromium and lead, and some semi-volatile organic compounds. Of particular concern is the presence of PCBs in the two waste samples collected in the fire-fighter training areas.

Surface soil at the 19-acre parcel directly south of the disposal area has not been impacted by activities at the disposal area based upon the analysis of the three surface soil samples collected at MW-2, MW-3, and MW-4. Although the PCB, Arochlor 1248, was found in the background surface soil sample (BS-1), it is unlikely that it is related to the disposal area.

Creek sediments appear to be impacted by the disposal area based upon the detection of semi-volatile organic compounds and the elevated concentration of lead in sediment sample SED-2 collected downgradient of the disposal area.

Shallow groundwater directly beneath the waste material in the disposal area contains significant concentrations of TCE and trans-1,2-dichloroethene. However, these compounds were not detected in the three waste samples or in the groundwater sample from MW-5 located upgradient of the disposal area. Based upon the evaluation of the groundwater samples collected during this investigation, it appears that groundwater directly beneath the 19-acre parcel has not been impacted. At the time of the investigation, shallow groundwater flow in the area south of the creek appeared to be generally northward toward the creek. This gradient would tend to prevent contaminants from the disposal area from migrating to the area south of Silver Creek.

5.2 RECOMMENDATIONS

As discussed in Section 4.1, limited excavations should be conducted in the area, identified as Anomaly B in the magnetometer survey, to verify that the magnetic readings noted were in fact due to metallic surface debris and not buried drums.

Although borings completed at the disposal area reveal that the waste exists at shallower depths than expected, C-EE recommends additional borings within

the disposal area to confirm that pockets of deeper buried wastes do not exist. These borings will also prove helpful in further characterizing the disposal area contents.

Because of the presence of the PCB, Arochlor 1248, in the two waste samples collected in the fire-fighter training areas, C-EE recommends that further investigative work be conducted to determine the extent of PCB contamination in and near the disposal area. In addition, the source of the PCB found in the background surface soil sample (BS-1) should be investigated. Moreover, C-EE recommends that fire-fighter training exercises on the disposal area be terminated.

Further investigation of soils on the 19-acre parcel south of the disposal area is not recommended or warranted at this time. The one possible exception is additional effort to identify the source and extent of PCBs at BS-1.

Because some semi-volatile organic compounds and metals were detected in creek sediment downgradient of the disposal area, C-EE recommends that further investigation of creek sediments be conducted to confirm that the contaminants detected are related to the disposal area and not from an upgradient source.

Further investigation of groundwater quality near the disposal area is required. The presence of TCE and trans-1,2-dichloroethene in the groundwater sample from MW-1 indicates the need for additional work to assess the source and fate of those contaminants. In addition, due to the presence of several semi-volatile organic compounds and PCB in the waste samples, C-EE recommends that groundwater samples from selected wells be collected and analyzed for semi-volatile organics and PCBs.

APPENDIX A

BORING LOGS

BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: HA-1	BORING/WELL LOCATION:
DRILLING CONTRACTOR:	DRILLING METHOD: Hand Auger	BOREHOLE SIZE: 2 IN.	BOREHOLE DEPTH: 8 FT.
DATE STARTED: 1-25-89	DATE COMPLETED: 1-25-89	GROUND ELEVATION: 609.29 FT.	TOP OF CASING ELEVATION: NA FT.
WELL DEPTH: NA FT.			
RIG: NA	DRILLER: NA	HELPER: NA	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	Waste Material, dark brown to black, lenses of metallic material, some orange sand, some charred wood.	0.0 - 2.0	NA	NA	1.0	Sample has organic smell. Sample submitted to lab for analysis.	
	Waste Material, brown/grey clayey material, some medium to fine orange sand.	2.0 - 4.0	NA	NA	0		
	Silty Clay, low plasticity, brown with orange mottling.	4.0 - 6.0	NA				
5	Silty Clay, medium plasticity, grey with brown mottling, grading onto a brown sandy clay at 7.5 ft. END OF BORING	6.0 - 8.0	NA	NA	0	Water at 7.5 ft.	
10							
15							
20							
25							
30							

NOTES:

BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: HA-2	BORING/WELL LOCATION:
DRILLING CONTRACTOR:	DRILLING METHOD: Hand Auger	BOREHOLE SIZE: 2 IN.	BOREHOLE DEPTH: 5 FT.
DATE STARTED: 1-25-89	DATE COMPLETED: 1-25-89	GROUND ELEVATION: 609.30 FT.	TOP OF CASING ELEVATION: NA FT.
			WELL DEPTH: NA FT.
RIG: NA	DRILLER: NA	HELPER: NA	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	Waste Material, black, brown, rusty, and yellow colored waste, dry, trace metal pieces.	0.0 - 2.0	NA	NA	0	Sample submitted to lab for analysis.	
	Waste Material, black, brown, and rusty colored waste, dry, clayey, trace metal pieces.	2.0 - 4.0	NA	NA	0		
5	Auger Refusal at 5 ft.						
10							
15							
20							
25							
30							

NOTES:

SOIL BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: MW-1	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 38.5 FT.
DATE STARTED: 1-17-89	DATE COMPLETED: 1-18-89	GROUND ELEVATION: 609.79 FT.	TOP OF CASING ELEVATION: 612.24 FT.
WELL DEPTH: 15 FT.			See Figure 3-2
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	Waste Material, dark brown to black, clayey, also contains lenses of metallic looking material, dry.	0.0 - 2.0	9/4/5/4	24	0	Cement 4-inch ID Locking Well Protector	
	Same as Above, also charred wood.	3.5 - 5.5	3/2/2/2	18	0	Analytical Sample	
5						Bentonite Slurry	
	Medium Sand and Fine Gravel, clayey, dark brown, trace of waste material.	6.0 - 8.0	2/2/4/3	8	0	Hole Plug	
	Medium Sand, fairly well sorted, wet, brown/green, grading into a Fine Sand and Silt at 9.7 ft., clayey, brown.	8.5 - 10.5	2/3/3/2	24	0	Blow-in of sand, began drilling open hole with water (3-7/8 in. tri-cone bit).	
10	Fine Sand and Silt, clayey, brown, grading into a Silty Clay at 12 ft., low plasticity, brown/blue.	11.0 - 13.0	1/2/2/3	24	0	Filter Sand 10 Slot Screen	
	Silty Clay, low plasticity, moist, brown with some orange mottling.	13.5 - 15.5	2/3/3/3	18	0	Water Level 13.5 (1/18/89).	
15	Same as Above with trace of gravel.	16.0 - 18.0	2/1/3/2	18	0		
	Silty Clay, low plasticity, moist, grey with some orange mottling.	18.5 - 20.5	2/2/1/2	21	0		
20	Silty Clay, trace fine gravel, medium plasticity, sticky, grey.	21.0 - 23.0	2/1/1/1	24	0		
	Same as Above	23.5 - 25.5	0/0/1/1	24	0		
25	Same as Above	26.0 - 28.0	0/0/0/2	24	0		
	Same as Above	28.5 - 30.5	0/0/0/2	24	0		
30							

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL NUMBER: MW-1	BOREHOLE DEPTH: 38.5 FT.

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
30							
	Silty Clay, trace fine gravel, medium plasticity, sticky, grey.	31.0 - 33.0	0/0/0/0	24	0		
	Same as Above	33.5 - 35.5	0/0/0/2	24	0		
35							
	Silty Clay, low plasticity, dense, dry, grey.	36.0 - 38.0	4/7/17/27	21	0		
	Medium Sand, trace fine sand, fairly sell sorted, wet, grey.	38.5 - 39.5	20/27/34/43	24	0	Unable to get accurate water level for second water bearing zone due to use of water during drilling.	
40	END OF BORING						
45							
50							
55							
60							
65							

NOTES: All soil samples were collected with a split spoon sampler and are being retained for reference.

SOIL BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: MW-2	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 8.5 FT.
DATE STARTED: 1-18-89	DATE COMPLETED: 1-18-89	GROUND ELEVATION: 600.18 FT.	TOP OF CASING ELEVATION: 602.38 FT.
WELL DEPTH: 8.5 FT.			See Figure 3-2
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	Top Soil, medium and fine sand, clayey, brown with trace of orange mottling. Sample submitted to lab for analysis.	0.0 - 2.0	2/2/3/4	21	0	4-inch ID Locking Well Protector; Cement; Hole Plug; Filter Sand; Water Level 5.11 (1/18/89); 10 Slot Screen	
	Medium and Fine Sand, clayey, brown.	3.5 - 5.5	1/1/1/1	12	0		
5							
	Silty Clay, medium plasticity, grey with orange mottling.	6.0 - 8.0	0/3/2/3	24	0		
	Same as Above END OF BORING.	8.5 - 10.5	1/2/1/2	24	0		
10							
15							
20							
25							
30							

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

SOIL BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: MW-3	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 8.5 FT.
DATE STARTED: 1-18-89	DATE COMPLETED: 1-19-89	GROUND ELEVATION: 601.96 FT.	TOP OF CASING ELEVATION: 603.97 FT.
WELL DEPTH: 8.5 FT.			See Figure 3-2
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS
0	Top Soil, medium and fine sand, trace of clay, brown/black. Sample submitted to lab for analysis.	0.0 - 2.0	1/2/1/3	24	0	4-inch ID Locking Well Protector
						Cement
						Hole Plug
	Medium Sand, trace clay, trace fine sand, fairly well sorted, wet, brown with grey mottling at 5.5 ft.	3.5 - 5.5	1/2/2/2	24	0	
5						Filter Sand
	Silty Clay, low plasticity, grey with orange mottling.	6.0 - 8.0	1/3/3/3	24	0	Water Level 6.27 (1/19/89)
						10 Slot Screen
	Same as Above END OF BORING	8.5 - 10.5	3/2/2/2	24	0	
10						
15						
20						
25						
30						

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

SOIL BORING LOG / MONITORING WELL DIAGRAM — E.C. JORDAN CO.

PROJECT NO.: 5B59-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: MW-4	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 8.5 FT.
DATE STARTED: 1-19-89	DATE COMPLETED: 1-19-89	GROUND ELEVATION: 603.79 FT.	TOP OF CASING ELEVATION: 605.90 FT.
WELL DEPTH: 8.5 FT.			See Figure 3-2
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS
0	Top Soil), medium and fine sand, clayey, brown. Sample submitted to lab for analysis.	0.0 - 2.0	2/3/2/5	12	0	4-inch ID Locking Well Protector; Cement; Hole Plug
	Medium Sand, clayey, brown with orange mottling.	3.5 - 5.5	1/1/2/2	21	0	Filter Sand; 10 Slot Screen
5	Medium Sand, fairly well sorted, wet, brown/grey, grading into a Silty Clay at 7.5 ft, grey with orange mottling.	6.0 - 8.0	1/2/2/3	12	1.0	natural organic smell in sand; Water Level 7.07 (1/19/89)
	Silty Clay, grey with orange mottling.	8.5 - 10.5	2/2/3/1	24	0	
10						
15						
20						
25						
30						

WELL DATA

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

SOIL BORING LOG / MONITORING WELL DIAGRAM

E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: MW-5	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 11 FT.
			See Figure 3-2
DATE STARTED: 1-19-89	DATE COMPLETED: 1-19-89	GROUND ELEVATION: 607.77 FT.	TOP OF CASING ELEVATION: 610.12 FT.
			WELL DEPTH: 10 FT.
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	Top Soil, medium and fine sand, trace fine gravel, trace clay, poorly sorted brown.	0.0 - 2.0	3/4/6/7	24	0	4-inch ID Locking Well Protector; Cement; Hole Plug; Filter Sand; Water Level 5.95 (1/20/89); 10 Slot Screen	
	Silty Clay, some fine sand, brown with grey mottling.	3.5 - 5.5	2/3/5/5	24	0		
5							
	Fine Sand, well sorted, wet, brown.	6.0 - 8.0	3/3/7/3	21	0		
	Silt, clayey, moist, grey.	8.5 - 10.5	3/1/2/2	12	0		
10							
	Silty Clay, low plasticity, grey.	11.0 - 13.0	0/0/0/0	24	0		
15							
20							
25							
30							

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

SOIL BORING LOG / MONITORING WELL DIAGRAM E.C. JORDAN CO.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL DESIGNATION: SB-1	BORING/WELL LOCATION:
DRILLING CONTRACTOR: ETS	DRILLING METHOD: Hollow-Stem	BOREHOLE SIZE: 4.25 IN.	BOREHOLE DEPTH: 38 FT.
DATE STARTED: 1-20-89	DATE COMPLETED: 1-20-89	GROUND ELEVATION: 602.14 FT.	TOP OF CASING ELEVATION: NA FT.
WELL DEPTH: NA FT.			See Figure 3-2
RIG: CME 55	DRILLER: Terry Haskett	HELPER: Brian Bertram	LOGGED BY: Dawn Dittmar

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
0	No samples retained from 0 to 10.5 ft due to proximity to MW-3.					Boring filled with a thick bentonite following completion.	
5							
10	Silty Clay, low plasticity, grey.	11.0 - 13.0	1/1/2/2	24	0		
	Same as Above	13.5 - 15.5	1/1/2/1	24	0		
15	Silty Clay, medium plasticity, grey.	16.0 - 18.0	0/1/1/2	24	0		
	Same as Above	18.5 - 20.5	1/1/1/1	24	0		
20	Same as Above	21.0 - 23.0	1/2/1/1	24	0	Water Level 19.5, 15 minutes after completion of the boring.	
	Silty Clay, trace fine gravel, medium plasticity, grey.	23.5 - 25.5	0/1/2/3	21	0		
25	Same as Above	26.0 - 28.0	0/0/3/3	24	0		
	Same as Above	28.5 - 30.5	1/2/4/6	24	0		
30							

NOTES: All soil samples were collected with split spoon samplers and are being retained for reference.

PROJECT NO.: 5859-00	PROJECT NAME: Hydra-Matic Division, GM	BORING/WELL NUMBER: SB-1	BOREHOLE DEPTH: 38 FT.

DEPTH (FT.)	SOIL DESCRIPTION	SAMPLE INTERVAL (FT.)	BLOW COUNTS	RECOVERY (IN.)	PI METER (PPM)	COMMENTS	WELL DATA
30	Silt, dense, dry, same silty clay lenses.	31.0 - 33.0	6/8/27	18	0		
	Silt, dry, grey, grading into a Medium Sand at 35 ft, trace fine sand, fairly well sorted, grey, grading into a Silty Clay at 35.5, trace fine gravel, grey.	33.5 - 35.5	2/7/17/8	24	0		
35	Medium and Fine Sand, fairly well sorted, wet, grey. END OF BORING	36.0 - 38.0	6/8/7/7	12	0	Blow-in of sand.	
40							
45							
50							
55							
60							
65							

NOTES: All soil samples were collected with a split spoon sampler and are being retained for reference.

APPENDIX B

FIELD SAMPLING DATA RECORDS

EC JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hmd Toledo JOB NO 5859-00

STATION NO/LOCATION MW-1 DATE 1/25/89

SKETCH ON BACK ☐ YES ☑ NO PHOTOGRAPHS ☐ YES ☑ NO ROLL NO/EXPOSURE NO —

WELL DATA 9.38+.96

WATER DEPTH 10.34 ☐ TOP WELL ☐ TOP CASING WELL DEPTH 15' WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED

PURGE	SAMPLE
KECK	KECK
QED	QED
SSBAIL ✓	SSBAIL ✓
OTHER tef	OTHER tef

PURGE TIME START 1002 END _____

SAMPLE TIME START _____ END 1020

WEATHER OVCST. 35°

.5 FT. WATER X .163 (2"=.163gal/ft, 4"=.653gal/ft, 6"=1.47gal/ft) X 3 CASING VOLUME = 2.5 GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 1 GAL	@ 2.0 GAL	@ ____ GAL	@ ____ GAL
TEMP 13.4 °C	TEMP 13.2 °C	TEMP ____ °C	TEMP ____ °C
SP. COND 790 @25°C	SP. COND 740 @25°C	SP. COND ____ @25°C	SP. COND ____ @25°C
pH 7.1	pH 7.0	pH ____	pH ____
Eh ____	Eh ____	Eh ____	Eh ____

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA 40	80ml	Glass	No	—	HSL VOL.
METALS	1l	Plastic	YES	Y HNO3	Diss. Metals

REMARKS/OBSERVATIONS Silty (Bailed dry after 2 gall.)

SAMPLER DMD/CSK

EC JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM HMD TOLEDO JOB NO 5859-00

STATION NO/LOCATION MW-200 (Blank) DATE 1/25/89

SKETCH ON BACK ☐ YES ☑ NO PHOTOGRAPHS ☐ YES ☑ NO ROLL NO/EXPOSURE NO —

WELL DATA

WATER DEPTH — ☐ TOP WELL ☐ TOP CASING WELL DEPTH — WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP — WELL/CASING —

EQUIPMENT USED		PURGE TIME	SAMPLE TIME	WEATHER OVCST.
PURGE	SAMPLE			
KECK ___	KECK ___	START ___	START ___	
QED ___	QED ___	END ___	END 1040	
SSBAIL ✓	SSBAIL ✓			
OTHER tef	OTHER tef			

___ FT. WATER X .163 (2"=.163gal/ft, 4"=.653gal/ft, 6"=1.47gal/ft) X 3 CASING VOLUME = ___ GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ ___ GAL	@ ___ GAL	@ ___ GAL	@ ___ GAL
TEMP ___ °C	TEMP ___ °C	TEMP ___ °C	TEMP ___ °C
SP. COND ___ @25°C	SP. COND ___ @25°C	SP. COND ___ @25°C	SP. COND ___ @25°C
pH ___	pH ___	pH ___	pH ___
Eh ___	Eh ___	Eh ___	Eh ___

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA	4 x 40ml	Glass	No	—	HSL VOL.
METALS	1l	Plastic	Yes	Y HNO3	Diss. metals

REMARKS/OBSERVATIONS Blank W/ bailer after MW-1

SAMPLER DMD/CSK

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM HMD TOLEDO JOB NO 5859-00

STATION NO/LOCATION MW-2 DATE 1/25/89

SKETCH ON BACK ☐ YES ☑ NO PHOTOGRAPHS ☐ YES ☑ NO ROLL NO/EXPOSURE NO —

WELL DATA 5.18 + .96

WATER DEPTH 6.14 ☐ TOP WELL ☐ TOP CASING WELL DEPTH 8.5' WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED

PURGE	SAMPLE
KECK	KECK
QED	QED
SSBAIL ✓	SSBAIL ✓
OTHER tef	OTHER tef

PURGE TIME START 1035 END _____

SAMPLE TIME START _____ END 1055

WEATHER OVCST 35°

2.5 FT. WATER X .163 (2"=.163gal/ft, 4"=.653gal/ft, 6"=1.47gal/ft) X 3 CASING VOLUME = 2 GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 1 GAL	@ 2 GAL	@ ____ GAL	@ ____ GAL
TEMP 3.6 °C	TEMP 3.4 °C	TEMP ____ °C	TEMP ____ °C
SP. COND 790 @25°C	SP. COND 785 @25°C	SP. COND ____ @25°C	SP. COND ____ @25°C
pH 6.7	pH 6.8	pH ____	pH ____
Eh ____	Eh ____	Eh ____	Eh ____

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA 40	80ml	Glass	No	—/—	HSL VOL.
METALS	1l	Plastic	Yes	Y/HNO3	Diss. metals
				/	
				/	
				/	
				/	
				/	
				/	

REMARKS/OBSERVATIONS SILTY, Dry @ 2 gal.

SAMPLER DMD/CSK

E.C. JORDAN CO.

PAGE ____ OF ____

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hmd Toledo JOB NO 5859-00

STATION NO/LOCATION MW-3 DATE 1/25/89

SKETCH ON BACK YES ☐ NO ☑ PHOTOGRAPHS YES ☐ NO ☑ ROLL NO/EXPOSURE NO —

WELL DATA 5.97 4.96

WATER DEPTH ~~6.86~~ 6.93 ☐ TOP WELL ☐ TOP CASING WELL DEPTH 8.5 WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED

PURGE	SAMPLE
KECK ____	KECK ____
QED ____	QED ____
SSBAIL ✓	SSBAIL ✓
OTHER tef	OTHER tef

PURGE TIME START 1100 END ____

SAMPLE TIME START ____ END 1115

WEATHER O/CST 35°

2 FT. WATER X .163 (2"=.163gal/ft) (4"=.653gal/ft) (6"=1.47gal/ft) X 3 CASING VOLUME = 1 GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 0.5 GAL	@ 1 GAL	@ ____ GAL	@ ____ GAL
TEMP 4.2 °C	TEMP 4.0 °C	TEMP ____ °C	TEMP ____ °C
SP. COND 830 @25°C	SP. COND 850 @25°C	SP. COND ____ @25°C	SP. COND ____ @25°C
pH 6.9	pH 6.9	pH ____	pH ____
Eh ____	Eh ____	Eh ____	Eh ____

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA -40	80ml	Glass	No	—	HSL VOL.
METALS	1l	Plastic	Yes	Y HNO3	Diss. metals

REMARKS/OBSERVATIONS SILTY

SAMPLER DMD/CSK

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM HMD TOLEDO JOB NO 5859-00

STATION NO/LOCATION MW-4 DATE 1/25/89

SKETCH ON BACK ☐ YES ☒ NO PHOTOGRAPHS ☐ YES ☒ NO ROLL NO/EXPOSURE NO —

WELL DATA 5.84 + .96

WATER DEPTH 6.80 ☐ TOP WELL ☑ TOP CASING WELL DEPTH 8.5' WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED

PURGE	SAMPLE
KECK ____	KECK ____
QED ____	QED ____
SSBAIL ✓	SSBAIL ✓
OTHER tef	OTHER tef

PURGE TIME START 1110 END ____

SAMPLE TIME START * END 1130

WEATHER OVCST 35°

1.7 FT. WATER X .163 (2"=.163gal/ft, 4"=.653gal/ft, 6"=1.47gal/ft) X 3 CASING VOLUME = 1 GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ .5 GAL	@ 1 GAL	@ ____ GAL	@ ____ GAL
TEMP 4.2 °C	TEMP 4.4 °C	TEMP ____ °C	TEMP ____ °C
SP. COND. 870 @25°C	SP. COND. 820 @25°C	SP. COND. ____ @25°C	SP. COND. ____ @25°C
pH 6.9	pH 7.0	pH ____	pH ____
Eh ____	Eh ____	Eh ____	Eh ____

BOTTLE ID		VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA	40	80ml	Glass	NO	—	HSL VOL.
METALS		1l	Plastic	YES	Y HNO3	Diss. metals

REMARKS/OBSERVATIONS SILTY i hazy day

SAMPLER DMD/CSK

EC JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hmd Toledo JOB NO 5859-00

STATION NO/LOCATION MW-5 DATE 1/25/89

SKETCH ON BACK YES ☐ NO ☑ PHOTOGRAPHS YES ☐ NO ☑ ROLL NO/EXPOSURE NO —

WELL DATA 5.42 + .96

WATER DEPTH 6.38 ☐ TOP WELL ☑ TOP CASING WELL DEPTH 10' WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED

PURGE	SAMPLE
KECK	KECK
QED	QED
SSBAIL ✓	SSBAIL ✓
OTHER tef	OTHER tef

PURGE TIME START 0920 END _____

SAMPLE TIME START _____ END 0935

WEATHER OVCST. 35°

4 FT. WATER X .163 (2"=.163gal/ft) (4"=.653gal/ft) (6"=1.47gal/ft) X 3 CASING VOLUME = 2 GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 1 GAL	@ 2 GAL	@ GAL	@ GAL
TEMP 3.0 °C	TEMP 3.1 °C	TEMP °C	TEMP °C
SP. COND 700 @25°C	SP. COND 690 @25°C	SP. COND @25°C	SP. COND @25°C
pH 6.9	pH 7.0	pH	pH
Eh	Eh	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA	40ml	Glass	No	—	HSL VOL.
METALS	1l	Plastic	Yes	Y HNO3	Diss. Metals

REMARKS/OBSERVATIONS Very Silty

SAMPLER DMD/CSK

PAGE 1 OF 1

EC JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hmd Toledo JOB NO 5859-00

STATION NO/LOCATION MW-100 DATE 1/25/89

SKETCH ON BACK ☐ YES ☒ NO Dup MW-5 PHOTOGRAPHS ☐ YES ☒ NO ROLL NO/EXPOSURE NO —

WELL DATA

WATER DEPTH — ☐ TOP WELL ☐ TOP CASING WELL DEPTH — WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP _____ WELL/CASING _____

EQUIPMENT USED		PURGE TIME	SAMPLE TIME	
PURGE	SAMPLE			
KECK ____	KECK ____	START ____	START ____	WEATHER ____
QED ____	QED ____	END —	END —	
SSBAIL ✓	SSBAIL ✓			
OTHER tef	OTHER tef			

____ FT. WATER X .163 (2"=.163gal/ft, 4"=.653gal/ft, 6"=1.47gal/ft) X 3 CASING VOLUME = — GAL PURGED

FIELD DATA

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE

VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ ____ GAL	@ ____ GAL	@ ____ GAL	@ ____ GAL
TEMP ____ °C	TEMP ____ °C	TEMP ____ °C	TEMP ____ °C
SP. COND ____ @25°C	SP. COND ____ @25°C	SP. COND ____ @25°C	SP. COND ____ @25°C
pH ____	pH ____	pH ____	pH ____
Eh ____	Eh ____	Eh ____	Eh ____

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
VOA	40ml	Glass	No	—	HSL VOL.
METALS	1l	Plastic	Yes	Y HNO3	Diss. Metals

REMARKS/OBSERVATIONS Dup of MW-5

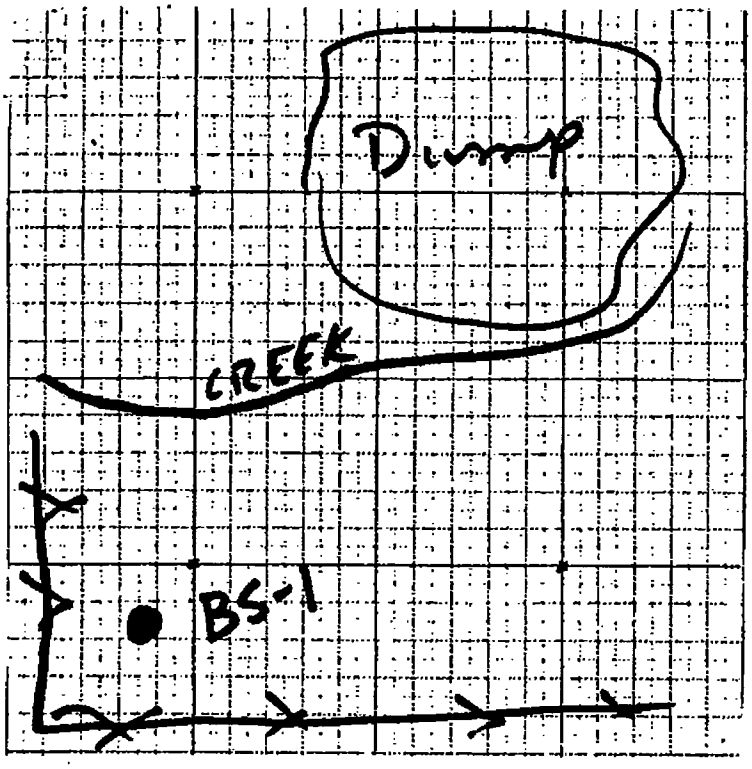
SAMPLER DMD/CSK

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-00 Site No. 6M Hydra-Matic

Date 1-25-89 Time Start — Time Finish 1200



SKETCH MAP OF SAMPLE SITE

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3. ✓	ppm	✓ ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm

HNU Bulb: 10.2 11.7

Protection Level: B C (D)

Sampling Crew

1. D. Diffner
2. C. Kiehy
3.

Sample Designations(s)

BS-1

BS-100 (Dup)

FIELD PARAMETERS

pH_____ cond_____ temp_____

Notes: Topsoil, clayey, med. and fn. sand, dark brown.

DMD/CSK

(signed)

Reference:

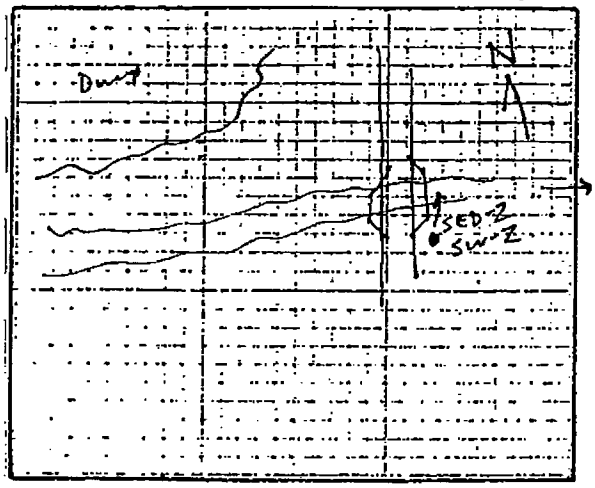
SURFACE WATER/STREAM SEDIMENT/SURFACE SOIL SAMPLE REPORT

SITE GM Hydra-Matic PROJECT NO. 5859-00

SAMPLE STATION SED-2, SW-2 DATE 1-25-89 TIME ST. — END 1215

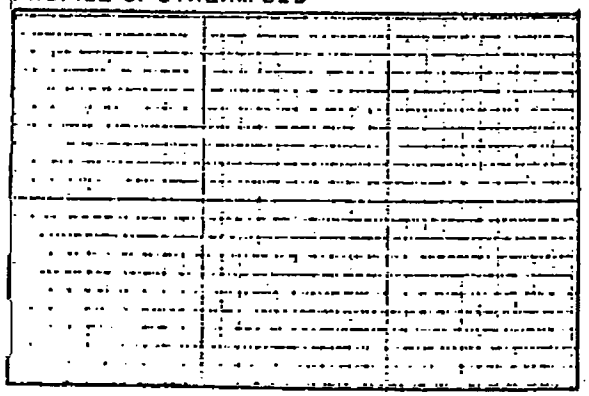
SITE LOCATED ON: MAP SITE AIR PHOTO

SKETCH MAP OF SAMPLE SITE
(SHOW WHERE SAMPLE TAKEN)



SCALE 1" = — FT

PROFILE OF STREAM BED



NOTE: DIMENSION SKETCH

FIELD PARAMETERS

	SOIL/SED	WATER
pH		
CONDUCTIVITY		
Eh		
PPM (HD.SPC)		

SAMPLES OBTAINED

	ID NOS	CONTAINER/SIZE
SURFACE WATER	SW-2	1- ½gl. plastic
		1- 40ml VOA
SEDIMENT/SOIL	SED-2	2- 250ml jars
		1- 100ml jar

VOLATILE — PPM
pH 7.33
SPEC. COND. —

PI VOLATILES — PPM

NOTES

sed- mucky, fn. sand/ silt.

PHOTOGRAPH ROLL — EXP. —
REFERENCE: FIELD BOOK, PG. —
ATTACHMENTS

DMD / CSK
REPORT PREPARED BY

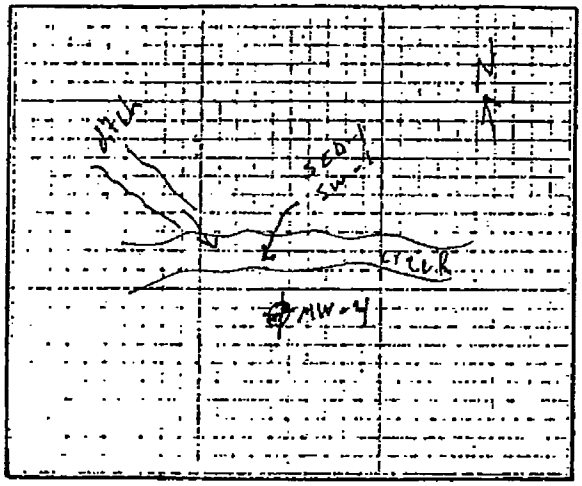
SURFACE WATER/STREAM SEDIMENT/SURFACE SOIL SAMPLE REPORT

SITE GM Hydra-Matic PROJECT NO. 5959-00

SAMPLE STATION SW-1, SED-1 DATE 1-25-89 TIME ST. — END 1245

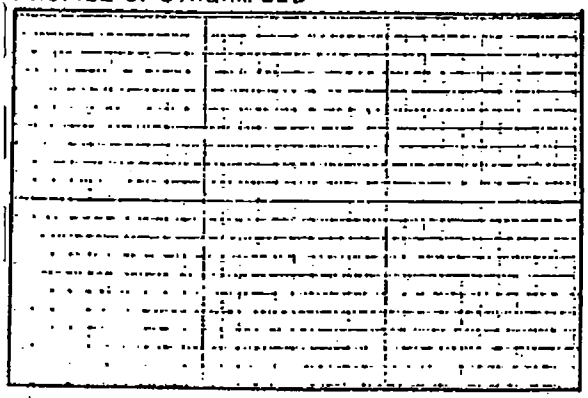
SITE LOCATED ON: MAP SITE AIR PHOTO

SKETCH MAP OF SAMPLE SITE
(SHOW WHERE SAMPLE TAKEN)



SCALE 1" = ____ FT

PROFILE OF STREAM BED



NOTE: DIMENSION SKETCH

FIELD PARAMETERS

	SOIL/SED	WATER
pH		
CONDUCTIVITY		
Eh		
PPM (HD.SPC)		

SAMPLES OBTAINED

	ID NOS	CONTAINER/SIZE
SURFACE WATER	SW-1	1 - ½ gl. plastic
		1 - 40ml HCl/NOA

VOLATILE — PPM
pH 7.53
SPEC. COND. ____

SEDIMENT/SOIL	SED-1	2-250ml jars
		1-100ml jar

PI VOLATILES — PPM

NOTES

Mucky, fine sand/silt.

PHOTOGRAPH ROLL — EXP. —

REFERENCE: FIELD BOOK, PG. ____
ATTACHMENTS

DMD/CSK
REPORT PREPARED BY

APPENDIX C

LABORATORY ANALYTICAL REPORTS

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55031-17
Lab No.: ------
File No.: E4626
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW 846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55031-17
Lab No.: 703733
File No.: E4627
Sample Id.: MW-1 3.5-5.5 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	50	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 15%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55062-17
Lab No.: ------
File No.: E4632
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW 846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55062-17
Lab No.: 704058
File No.: E4636
Sample Id.: MW-4 0-2 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	140	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 16%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55037-17
Lab No.: ------
File No.: E4626
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW 846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55037-17
Lab No.: 703792
File No.: E4628
Sample Id.: MW-2 0-2 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	60	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 16%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55037-17
Lab No.: ------
File No.: E4632
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN

Project No.: 55037-17
Lab No.: 703793
File No.: E4637
Sample Id.: MW-3 0-2 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	140	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 14%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: B7183
Sample Id.: LAB BLANK (L/W)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705289
File No.: 87189
Sample Id.: MW-1

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	20	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	39	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	16	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705290
File No.: 87190
Sample Id.: MW-200

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: 87195
Sample Id.: LAB BLANK (L/W)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705291
File No.: 87196
Sample Id.: MW-2

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705292
File No.: 87197
Sample Id.: MW-3

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705293
File No.: 87198
Sample Id.: MW-4

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705294
File No.: 87199
Sample Id.: MW-5

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705295
File No.: 87200
Sample Id.: MW-100

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705296
File No.: 87201
Sample Id.: SW-1

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705297
File No.: 87202
Sample Id.: SW-2

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705298
File No.: 87203
Sample Id.: TRIP BLANK

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: 87208
Sample Id.: LAB BLANK (L/W)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/L)	LOD (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: B7238
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	20	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705302
File No.: 87239
Sample Id.: BS-100

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	50	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 22%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705301
File No.: 87240
Sample Id.: BS-1

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	40	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 18%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705304
File No.: 87243
Sample Id.: HA-2 0-2 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	30	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	11	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	22	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 22%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705300
File No.: B7245
Sample Id.: SED-2

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	110	20
Benzene	<8	8
Bromodichloromethane	<8	8
Bromoform	<8	8
Bromomethane	<20	20
2-Butanone	<20	20
Carbon disulfide	<8	8
Carbon tetrachloride	<8	8
Chlorobenzene	<8	8
Chloroethane	<20	20
2-Chloroethylvinyl ether	<20	20
Chloroform	<8	8
Chloromethane	<20	20
Dibromochloromethane	<8	8
1,1-Dichloroethane	<8	8
1,2-Dichloroethane	<8	8
1,1-Dichloroethene	<8	8
trans-1,2-Dichloroethene	<8	8
1,2-Dichloropropane	<8	8
cis-1,3-Dichloropropene	<8	8
trans-1,3-Dichloropropene	<8	8
Ethyl benzene	<8	8
2-Hexanone	<20	20
Methylene chloride	<8	8
4-Methyl-2-pentanone	<20	20
Styrene	<8	8
1,1,2,2-Tetrachloroethane	<8	8
Tetrachloroethene	<8	8
Toluene	<8	8
1,1,1-Trichloroethane	<8	8
1,1,2-Trichloroethane	<8	8
Trichloroethene	<8	8
Vinyl acetate	<20	20
Vinyl chloride	<20	20
Xylenes (total)	<8	8

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 35%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705303
File No.: 87246
Sample Id.: HA-1 0-2 ft.

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	40	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
trans-1,2-Dichloroethene	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	<6	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 16%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: 87274
Sample Id.: LAB BLANK (L/S)

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
trans-1,2-Dichloroethene	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705299
File No.: 87275
Sample Id.: SED-1

Volatile Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acetone	50	10
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<10	10
2-Chloroethylvinyl ether	<10	10
Chloroform	<7	7
Chloromethane	<10	10
Dibromochloromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
1,1-Dichloroethene	<7	7
trans-1,2-Dichloroethene	<7	7
1,2-Dichloropropane	<7	7
cis-1,3-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethyl benzene	<7	7
2-Hexanone	<10	10
Methylene chloride	<7	7
4-Methyl-2-pentanone	<10	10
Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<7	7

LOD - Limit of Detection

Analytical method - EPA SW-846 (3rd Ed.) 8240

Results reported on a dry weight basis.

Moisture = 25%

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55031-17
Lab No.: ------
File No.: F3589
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<300	300
Acenaphthylene	<300	300
Anthracene	<300	300
Benzo(a)anthracene	<300	300
Benzo(b)fluoranthene	<300	300
Benzo(k)fluoranthene	<300	300
Benzo(a)pyrene	<300	300
Benzo(ghi)perylene	<300	300
Benzyl alcohol	<300	300
Benzyl butyl phthalate	<300	300
Bis(2-chloroethyl)ether	<300	300
Bis(2-chloroethoxy)methane	<300	300
Bis(2-chloroisopropyl)ether	<300	300
Bis(2-ethylhexyl)phthalate	<300	300
4-Bromophenyl phenyl ether	<300	300
4-Chloroaniline	<300	300
2-Chloronaphthalene	<300	300
4-Chlorophenyl phenyl ether	<300	300
Chrysene	<300	300
Dibenzo(a,h)anthracene	<300	300
Dibenzofuran	<300	300
Di-n-butylphthalate	900	300
1,2-Dichlorobenzene	<300	300
1,3-Dichlorobenzene	<300	300
1,4-Dichlorobenzene	<300	300
3,3'-Dichlorobenzidine	<700	700
Diethyl phthalate	<300	300
Dimethyl phthalate	<300	300
2,4-Dinitrotoluene	<300	300
2,6-Dinitrotoluene	<300	300

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: 55031-17
Lab No: ------
File No: F3589
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<300	300
Fluoranthene	<300	300
Fluorene	<300	300
Hexachlorobenzene	<300	300
Hexachlorobutadiene	<300	300
Hexachlorocyclopentadiene	<300	300
Hexachloroethane	<300	300
Indeno(1,2,3-cd)pyrene	<300	300
Isophorone	<300	300
2-Methylnaphthalene	<300	300
Naphthalene	<300	300
2-Nitroaniline	<2000	2000
3-Nitroaniline	<2000	2000
4-Nitroaniline	<2000	2000
Nitrobenzene	<300	300
N-Nitrosodi-n-propylamine	<300	300
N-Nitrosodiphenylamine	<300	300
Phenanthrene	<300	300
Pyrene	<300	300
1,2,4-Trichlorobenzene	<300	300

LOD - Limit of Detection

ug/kg = Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55031-17
Lab No.: ------
File No.: F3589
Sample Id.: LAB BLANK (L/S)

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<2000	2000
4-Chloro-3-methylphenol	<300	300
2-Chlorophenol	<300	300
2,4-Dichlorophenol	<300	300
2,4-Dimethylphenol	<300	300
2,4-Dinitrophenol	<2000	2000
2-Methyl-4,6-dinitrophenol	<2000	2000
2-Methylphenol	<300	300
4-Methylphenol	<300	300
2-Nitrophenol	<300	300
4-Nitrophenol	<2000	2000
Pentachlorophenol	<2000	2000
Phenol	<300	300
2,4,5-Trichlorophenol	<2000	2000
2,4,6-Trichlorophenol	<300	300

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55031-17
Lab No.: 703733 (1:4 dilution)
File No.: F3590
Sample Id.: MW-1 3.5-5.5 ft.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<2000	2000
Acenaphthylene	<2000	2000
Anthracene	3000	2000
Benzo(a)anthracene	4000	2000
Benzo(b)fluoranthene	4000	2000
Benzo(k)fluoranthene	3000	2000
Benzo(a)pyrene	4000	2000
Benzo(ghi)perylene	2000	2000
Benzyl alcohol	<2000	2000
Benzyl butyl phthalate	<2000	2000
Bis(2-chloroethyl)ether	<2000	2000
Bis(2-chloroethoxy)methane	<2000	2000
Bis(2-chloroisopropyl)ether	<2000	2000
Bis(2-ethylhexyl)phthalate	<2000	2000
4-Bromophenyl phenyl ether	<2000	2000
4-Chloroaniline	<2000	2000
2-Chloronaphthalene	<2000	2000
4-Chlorophenyl phenyl ether	<2000	2000
Chrysene	5000	2000
Dibenzo(a,h)anthracene	<2000	2000
Dibenzofuran	<2000	2000
Di-n-butylphthalate	<2000	2000
1,2-Dichlorobenzene	<2000	2000
1,3-Dichlorobenzene	<2000	2000
1,4-Dichlorobenzene	<2000	2000
3,3'-Dichlorobenzidine	<3000	3000
Diethyl phthalate	<2000	2000
Dimethyl phthalate	<2000	2000
2,4-Dinitrotoluene	<2000	2000
2,6-Dinitrotoluene	<2000	2000

LOD - Limit of Detection

ug/kg = Results are reported on a dry weight basis. Moisture = 15%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: 55031-17
Lab No: 703733 (1:4 dilution)
File No: F3590
Sample Id.: MW-1 3.5-5.5 ft.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<2000	2000
Fluoranthene	13000	2000
Fluorene	<2000	2000
Hexachlorobenzene	<2000	2000
Hexachlorobutadiene	<2000	2000
Hexachlorocyclopentadiene	<2000	2000
Hexachloroethane	<2000	2000
Indeno(1,2,3-cd)pyrene	3000	2000
Isophorone	<2000	2000
2-Methylnaphthalene	<2000	2000
Naphthalene	<2000	2000
2-Nitroaniline	<8000	8000
3-Nitroaniline	<8000	8000
4-Nitroaniline	<8000	8000
Nitrobenzene	<2000	2000
N-Nitrosodi-n-propylamine	<2000	2000
N-Nitrosodiphenylamine	<2000	2000
Phenanthrene	11000	2000
Pyrene	8000	2000
1,2,4-Trichlorobenzene	<2000	2000

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 15%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55031-17
Lab No.: 703733 (1:4 dilution)
File No.: F3590
Sample Id.: MW-1 3.5-5.5 ft.

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<8000	8000
4-Chloro-3-methylphenol	<2000	2000
2-Chlorophenol	<2000	2000
2,4-Dichlorophenol	<2000	2000
2,4-Dimethylphenol	<2000	2000
2,4-Dinitrophenol	<8000	8000
2-Methyl-4,6-dinitrophenol	<8000	8000
2-Methylphenol	<2000	2000
4-Methylphenol	<2000	2000
2-Nitrophenol	<2000	2000
4-Nitrophenol	<8000	8000
Pentachlorophenol	<8000	8000
Phenol	<2000	2000
2,4,5-Trichlorophenol	<8000	8000
2,4,6-Trichlorophenol	<2000	2000

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 15%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55082-17
Lab No.: ------
File No.: F3691
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<700	700
Acenaphthylene	<700	700
Anthracene	<700	700
Benzo(a)anthracene	<700	700
Benzo(b)fluoranthene	<700	700
Benzo(k)fluoranthene	<700	700
Benzo(a)pyrene	<700	700
Benzo(ghi)perylene	<700	700
Benzyl alcohol	<700	700
Benzyl butyl phthalate	<700	700
Bis(2-chloroethyl)ether	<700	700
Bis(2-chloroethoxy)methane	<700	700
Bis(2-chloroisopropyl)ether	<700	700
Bis(2-ethylhexyl)phthalate	<700	700
4-Bromophenyl phenyl ether	<700	700
4-Chloroaniline	<700	700
2-Chloronaphthalene	<700	700
4-Chlorophenyl phenyl ether	<700	700
Chrysene	<700	700
Dibenzo(a,h)anthracene	<700	700
Dibenzofuran	<700	700
Di-n-butylphthalate	<700	700
1,2-Dichlorobenzene	<700	700
1,3-Dichlorobenzene	<700	700
1,4-Dichlorobenzene	<700	700
3,3'-Dichlorobenzidine	<1000	1000
Diethyl phthalate	<700	700
Dimethyl phthalate	<700	700
2,4-Dinitrotoluene	<700	700
2,6-Dinitrotoluene	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: 55062-17
Lab No: ------
File No: F3691
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<700	700
Fluoranthene	<700	700
Fluorene	<700	700
Hexachlorobenzene	<700	700
Hexachlorobutadiene	<700	700
Hexachlorocyclopentadiene	<700	700
Hexachloroethane	<700	700
Indeno(1,2,3-cd)pyrene	<700	700
Isophorone	<700	700
2-Methylnaphthalene	<700	700
Naphthalene	<700	700
2-Nitroaniline	<3000	3000
3-Nitroaniline	<3000	3000
4-Nitroaniline	<3000	3000
Nitrobenzene	<700	700
N-Nitrosodi-n-propylamine	<700	700
N-Nitrosodiphenylamine	<700	700
Phenanthrene	<700	700
Pyrene	<700	700
1,2,4-Trichlorobenzene	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55062-17
Lab No.: ------
File No.: F3691
Sample Id.: LAB BLANK (L/S)

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<3000	3000
4-Chloro-3-methylphenol	<700	700
2-Chlorophenol	<700	700
2,4-Dichlorophenol	<700	700
2,4-Dimethylphenol	<700	700
2,4-Dinitrophenol	<3000	3000
2-Methyl-4,6-dinitrophenol	<3000	3000
2-Methylphenol	<700	700
4-Methylphenol	<700	700
2-Nitrophenol	<700	700
4-Nitrophenol	<3000	3000
Pentachlorophenol	<3000	3000
Phenol	<700	700
2,4,5-Trichlorophenol	<3000	3000
2,4,6-Trichlorophenol	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55062-17
Lab No.: 704058
File No.: F3692
Sample Id.: MW-4 0-2 ft.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55062-17
Lab No: 704058
File No: F3692
Sample Id.: MW-4 0-2 ft.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	<800	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	<800	800
Pyrene	<800	800
1,2,4-Trichlorobenzene	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55062-17
Lab No.: 704058
File No.: F3692
Sample Id.: MW-4 0-2 ft.

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<800	800
2-Chlorophenol	<800	800
2,4-Dichlorophenol	<800	800
2,4-Dimethylphenol	<800	800
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<800	800
4-Methylphenol	<800	800
2-Nitrophenol	<800	800
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<800	800
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55037-17
Lab No.: ------
File No.: F3589
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<300	300
Acenaphthylene	<300	300
Anthracene	<300	300
Benzo(a)anthracene	<300	300
Benzo(b)fluoranthene	<300	300
Benzo(k)fluoranthene	<300	300
Benzo(a)pyrene	<300	300
Benzo(ghi)perylene	<300	300
Benzyl alcohol	<300	300
Benzyl butyl phthalate	<300	300
Bis(2-chloroethyl)ether	<300	300
Bis(2-chloroethoxy)methane	<300	300
Bis(2-chloroisopropyl)ether	<300	300
Bis(2-ethylhexyl)phthalate	<300	300
4-Bromophenyl phenyl ether	<300	300
4-Chloroaniline	<300	300
2-Chloronaphthalene	<300	300
4-Chlorophenyl phenyl ether	<300	300
Chrysene	<300	300
Dibenzo(a,h)anthracene	<300	300
Dibenzofuran	<300	300
Di-n-butylphthalate	900	300
1,2-Dichlorobenzene	<300	300
1,3-Dichlorobenzene	<300	300
1,4-Dichlorobenzene	<300	300
3,3'-Dichlorobenzidine	<700	700
Diethyl phthalate	<300	300
Dimethyl phthalate	<300	300
2,4-Dinitrotoluene	<300	300
2,6-Dinitrotoluene	<300	300

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: 55037-17
Lab No: ------
File No: F3589
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<300	300
Fluoranthene	<300	300
Fluorene	<300	300
Hexachlorobenzene	<300	300
Hexachlorobutadiene	<300	300
Hexachlorocyclopentadiene	<300	300
Hexachloroethane	<300	300
Indeno(1,2,3-cd)pyrene	<300	300
Isophorone	<300	300
2-Methylnaphthalene	<300	300
Naphthalene	<300	300
2-Nitroaniline	<2000	2000
3-Nitroaniline	<2000	2000
4-Nitroaniline	<2000	2000
Nitrobenzene	<300	300
N-Nitrosodi-n-propylamine	<300	300
N-Nitrosodiphenylamine	<300	300
Phenanthrene	<300	300
Pyrene	<300	300
1,2,4-Trichlorobenzene	<300	300

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55037-17
Lab No.: ------
File No.: F3589
Sample Id.: LAB BLANK (L/S)

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<2000	2000
4-Chloro-3-methylphenol	<300	300
2-Chlorophenol	<300	300
2,4-Dichlorophenol	<300	300
2,4-Dimethylphenol	<300	300
2,4-Dinitrophenol	<2000	2000
2-Methyl-4,6-dinitrophenol	<2000	2000
2-Methylphenol	<300	300
4-Methylphenol	<300	300
2-Nitrophenol	<300	300
4-Nitrophenol	<2000	2000
Pentachlorophenol	<2000	2000
Phenol	<300	300
2,4,5-Trichlorophenol	<2000	2000
2,4,6-Trichlorophenol	<300	300

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: A5023
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<700	700
Acenaphthylene	<700	700
Anthracene	<700	700
Benzo(a)anthracene	<700	700
Benzo(b)fluoranthene	<700	700
Benzo(k)fluoranthene	<700	700
Benzo(a)pyrene	<700	700
Benzo(ghi)perylene	<700	700
Benzyl alcohol	<700	700
Benzyl butyl phthalate	<700	700
Bis(2-chloroethyl)ether	<700	700
Bis(2-chloroethoxy)methane	<700	700
Bis(2-chloroisopropyl)ether	<700	700
Bis(2-ethylhexyl)phthalate	<700	700
4-Bromophenyl phenyl ether	<700	700
4-Chloroaniline	<700	700
2-Chloronaphthalene	<700	700
4-Chlorophenyl phenyl ether	<700	700
Chrysene	<700	700
Dibenzo(a,h)anthracene	<700	700
Dibenzofuran	<700	700
Di-n-butylphthalate	<700	700
1,2-Dichlorobenzene	<700	700
1,3-Dichlorobenzene	<700	700
1,4-Dichlorobenzene	<700	700
3,3'-Dichlorobenzidine	<1000	1000
Diethyl phthalate	<700	700
Dimethyl phthalate	<700	700
2,4-Dinitrotoluene	<700	700
2,6-Dinitrotoluene	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55196-17
Lab No: ------
File No: A5023
Sample Id.: LAB BLANK (L/S)

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<700	700
Fluoranthene	<700	700
Fluorene	<700	700
Hexachlorobenzene	<700	700
Hexachlorobutadiene	<700	700
Hexachlorocyclopentadiene	<700	700
Hexachloroethane	<700	700
Indeno(1,2,3-cd)pyrene	<700	700
Isophorone	<700	700
2-Methylnaphthalene	<700	700
Naphthalene	<700	700
2-Nitroaniline	<3000	3000
3-Nitroaniline	<3000	3000
4-Nitroaniline	<3000	3000
Nitrobenzene	<700	700
N-Nitrosodi-n-propylamine	<700	700
N-Nitrosodiphenylamine	<700	700
Phenanthrene	<700	700
Pyrene	<700	700
1,2,4-Trichlorobenzene	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: ------
File No.: A5023
Sample Id.: LAB BLANK (L/S)

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<3000	3000
4-Chloro-3-methylphenol	<700	700
2-Chlorophenol	<700	700
2,4-Dichlorophenol	<700	700
2,4-Dimethylphenol	<700	700
2,4-Dinitrophenol	<3000	3000
2-Methyl-4,6-dinitrophenol	<3000	3000
2-Methylphenol	<700	700
4-Methylphenol	<700	700
2-Nitrophenol	<700	700
4-Nitrophenol	<3000	3000
Pentachlorophenol	<3000	3000
Phenol	<700	700
2,4,5-Trichlorophenol	<3000	3000
2,4,6-Trichlorophenol	<700	700

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 0%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705299
File No.: A5024
Sample Id.: SED-1

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	<900	900
Benzo(b)fluoranthene	<900	900
Benzo(k)fluoranthene	<900	900
Benzo(a)pyrene	<900	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	<900	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 25%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55196-17
Lab No: 705299
File No: A5024
Sample Id.: SED-1

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	1200	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	<900	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	<900	900
Pyrene	1100	900
1,2,4-Trichlorobenzene	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 25%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705299
File No.: A5024
Sample Id.: SED-1

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<900	900
2-Chlorophenol	<900	900
2,4-Dichlorophenol	<900	900
2,4-Dimethylphenol	<900	900
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<900	900
4-Methylphenol	<900	900
2-Nitrophenol	<900	900
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<900	900
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 25%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705302
File No.: A5029
Sample Id.: BS-100

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	<900	900
Benzo(b)fluoranthene	<900	900
Benzo(k)fluoranthene	<900	900
Benzo(a)pyrene	<900	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	<900	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55196-17
Lab No: 705302
File No: A5029
Sample Id.: BS-100

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	<900	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	<900	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<900	900
3-Nitroaniline	<900	900
4-Nitroaniline	<900	900
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	<900	900
Pyrene	<900	900
1,2,4-Trichlorobenzene	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705302
File No.: A5029
Sample Id.: BS-100

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<900	900
2-Chlorophenol	<900	900
2,4-Dichlorophenol	<900	900
2,4-Dimethylphenol	<900	900
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<900	900
4-Methylphenol	<900	900
2-Nitrophenol	<900	900
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<900	900
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705303
File No.: A5032
Sample Id.: HA-1 0-2 FT.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55196-17
Lab No: 705303
File No: AS032
Sample Id.: HA-1 0-2 FT.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	<800	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<800	800
3-Nitroaniline	<800	800
4-Nitroaniline	<800	800
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	<800	800
Pyrene	<800	800
1,2,4-Trichlorobenzene	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705303
File No.: A5032
Sample Id.: HA-1 0-2 FT.

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<800	800
2-Chlorophenol	<800	800
2,4-Dichlorophenol	<800	800
2,4-Dimethylphenol	<800	800
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<800	800
4-Methylphenol	<800	800
2-Nitrophenol	<800	800
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<800	800
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 16%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705304
File No.: A5033
Sample Id.: HA-2 0-2 FT.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	<900	900
Benzo(b)fluoranthene	900	900
Benzo(k)fluoranthene	1100	900
Benzo(a)pyrene	900	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	1000	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

LOD = Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705304
File No: A5033
Sample Id.: HA-2 0-2 FT.

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	1200	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	<900	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	<900	900
Pyrene	1600	900
1,2,4-Trichlorobenzene	<900	900

LOD = Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705304
File No.: A5033
Sample Id.: HA-2 0-2 FT.

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<900	900
2-Chlorophenol	<900	900
2,4-Dichlorophenol	<900	900
2,4-Dimethylphenol	<900	900
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<900	900
4-Methylphenol	<900	900
2-Nitrophenol	<900	900
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<900	900
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<900	900

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 22%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705301
File No.: A5034
Sample Id.: BS-1

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<900	800
2-Chloronaphthalene	<900	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 18%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C JORDAN COMPANY

Project No: 55196-17
Lab No: 705301
File No: A5034
Sample Id.: BS-1

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	1100	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	900	800
Pyrene	1000	800
1,2,4-Trichlorobenzene	<800	800

LOD: Limit of Detection

ug/kg: Results reported on a dry weight basis. Moisture = 18%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705301
File No.: A5034
Sample Id.: BS-1

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<4000	4000
4-Chloro-3-methylphenol	<800	800
2-Chlorophenol	<800	800
2,4-Dichlorophenol	<800	800
2,4-Dimethylphenol	<800	800
2,4-Dinitrophenol	<4000	4000
2-Methyl-4,6-dinitrophenol	<4000	4000
2-Methylphenol	<800	800
4-Methylphenol	<800	800
2-Nitrophenol	<800	800
4-Nitrophenol	<4000	4000
Pentachlorophenol	<4000	4000
Phenol	<800	800
2,4,5-Trichlorophenol	<4000	4000
2,4,6-Trichlorophenol	<800	800

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 18%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705300
File No.: A5040
Sample Id.: SED-2

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Acenaphthene	<1000	1000
Acenaphthylene	<1000	1000
Anthracene	<1000	1000
Benzo(a)anthracene	<1000	1000
Benzo(b)fluoranthene	1000	1000
Benzo(k)fluoranthene	2000	1000
Benzo(a)pyrene	1000	1000
Benzo(ghi)perylene	<1000	1000
Benzyl alcohol	<1000	1000
Benzyl butyl phthalate	<1000	1000
Bis(2-chloroethyl)ether	<1000	1000
Bis(2-chloroethoxy)methane	<1000	1000
Bis(2-chloroisopropyl)ether	<1000	1000
Bis(2-ethylhexyl)phthalate	<1000	1000
4-Bromophenyl phenyl ether	<1000	1000
4-Chloroaniline	<1000	1000
2-Chloronaphthalene	<1000	1000
4-Chlorophenyl phenyl ether	<1000	1000
Chrysene	1000	1000
Dibenzo(a,h)anthracene	<1000	1000
Dibenzofuran	<1000	1000
Di-n-butylphthalate	<1000	1000
1,2-Dichlorobenzene	<1000	1000
1,3-Dichlorobenzene	<1000	1000
1,4-Dichlorobenzene	<1000	1000
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<1000	1000
Dimethyl phthalate	<1000	1000
2,4-Dinitrotoluene	<1000	1000
2,6-Dinitrotoluene	<1000	1000

LOD = Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 35%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No: SS196-17
Lab No: 705300
File No: A5040
Sample Id.: SED-2

Base Neutral Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Di-n-octylphthalate	<1000	1000
Fluoranthene	2000	1000
Fluorene	<1000	1000
Hexachlorobenzene	<1000	1000
Hexachlorobutadiene	<1000	1000
Hexachlorocyclopentadiene	<1000	1000
Hexachloroethane	<1000	1000
Indeno(1,2,3-cd)pyrene	1000	1000
Isophorone	<1000	1000
2-Methylnaphthalene	<1000	1000
Naphthalene	<1000	1000
2-Nitroaniline	<5000	5000
3-Nitroaniline	<5000	5000
4-Nitroaniline	<5000	5000
Nitrobenzene	<1000	1000
N-Nitrosodi-n-propylamine	<1000	1000
N-Nitrosodiphenylamine	<1000	1000
Phenanthrene	1000	1000
Pyrene	2000	1000
1,2,4-Trichlorobenzene	<1000	1000

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 35%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Results of Analysis for: E.C. JORDAN COMPANY

Project No.: 55196-17
Lab No.: 705300
File No.: A5040
Sample Id.: SED-2

Acid Compounds - Hazardous Substance List

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
Benzoic acid	<5000	5000
4-Chloro-3-methylphenol	<1000	1000
2-Chlorophenol	<1000	1000
2,4-Dichlorophenol	<1000	1000
2,4-Dimethylphenol	<1000	1000
2,4-Dinitrophenol	<5000	5000
2-Methyl-4,6-dinitrophenol	<5000	5000
2-Methylphenol	<1000	1000
4-Methylphenol	<1000	1000
2-Nitrophenol	<1000	1000
4-Nitrophenol	<5000	5000
Pentachlorophenol	<5000	5000
Phenol	<1000	1000
2,4,5-Trichlorophenol	<5000	5000
2,4,6-Trichlorophenol	<1000	1000

LOD - Limit of Detection

ug/kg - Results are reported on a dry weight basis. Moisture = 35%

Analytical Method - EPA SW-846 (3rd Ed.) 8270

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55031-17
Lab No: PBLK 1 0122
Sample ID: M-Blank

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 80	80
Aroclor 1221	< 80	80
Aroclor 1232	< 80	80
Aroclor 1242	< 80	80
Aroclor 1248	< 80	80
Aroclor 1254	< 160	160
Aroclor 1260	< 160	160

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55031-17
Lab No: 703733
Sample ID: MW-1 3.5-5.5 FEET

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 190	190
Aroclor 1221	< 190	190
Aroclor 1232	< 190	190
Aroclor 1242	< 190	190
Aroclor 1248	< 190	190
Aroclor 1254	< 380	380
Aroclor 1260	< 380	380

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edidtion, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 14.9%

LOD's vary due to matrix interference

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55062-17
Lab No: PBLK 1 0124
Sample ID: M-Blank

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 80	80
Aroclor 1221	< 80	80
Aroclor 1232	< 80	80
Aroclor 1242	< 80	80
Aroclor 1248	< 80	80
Aroclor 1254	< 160	160
Aroclor 1260	< 160	160

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 0%

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55062-17
Lab No: 704058
Sample ID: MW-4 0-2 FEET

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 94	94
Aroclor 1221	< 94	94
Aroclor 1232	< 94	94
Aroclor 1242	< 94	94
Aroclor 1248	< 94	94
Aroclor 1254	< 190	190
Aroclor 1260	< 190	190

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 15.5%

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: PBLK 1 0201
Sample No: M-Blank

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 160	160
PCB-Aroclor 1221	< 160	160
PCB-Aroclor 1232	< 160	160
PCB-Aroclor 1242	< 160	160
PCB-Aroclor 1248	< 160	160
PCB-Aroclor 1254	< 320	320
PCB-Aroclor 1260	< 320	320

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 0%

LOD's varied due to sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705299
Sample No: SED-1

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 1100	1100
PCB-Aroclor 1221	< 1100	1100
PCB-Aroclor 1232	< 1100	1100
PCB-Aroclor 1242	< 1100	1100
PCB-Aroclor 1248	< 1100	1100
PCB-Aroclor 1254	< 2100	2100
PCB-Aroclor 1260	< 2100	2100

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 25%

LOD's varied due to matrix interference and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705300
Sample No: SED-2

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 1600	1600
PCB-Aroclor 1221	< 1600	1600
PCB-Aroclor 1232	< 1600	1600
PCB-Aroclor 1242	< 1600	1600
PCB-Aroclor 1248	< 1600	1600
PCB-Aroclor 1254	< 3200	3200
PCB-Aroclor 1260	< 3200	3200

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 35%

LOD's varied due to matrix interference and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705301
Sample No: BS-1

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 1900	1900
PCB-Aroclor 1221	< 1900	1900
PCB-Aroclor 1232	< 1900	1900
PCB-Aroclor 1242	< 1900	1900
PCB-Aroclor 1248	4300	1900
PCB-Aroclor 1254	< 3900	3900
PCB-Aroclor 1260	< 3900	3900

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 18%

LOD's varied due to dilution and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705302
Sample No: BS-100

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 2100	2100
PCB-Aroclor 1221	< 2100	2100
PCB-Aroclor 1232	< 2100	2100
PCB-Aroclor 1242	< 2100	2100
PCB-Aroclor 1248	3300	2100
PCB-Aroclor 1254	< 3900	3900
PCB-Aroclor 1260	< 3900	3900

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 23%

LOD's varied due to dilution and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705303
Sample No: HA-1 0-2FT

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 3800	3800
PCB-Aroclor 1221	< 3800	3800
PCB-Aroclor 1232	< 3800	3800
PCB-Aroclor 1242	< 3800	3800
PCB-Aroclor 1248	4700	3800
PCB-Aroclor 1254	< 7600	7600
PCB-Aroclor 1260	< 7600	7600

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 16%

LOD's varied due to dilution and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Lab No: 705304
Sample No: HA-2 0-2FT

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB-Aroclor 1016	< 10000	10000
PCB-Aroclor 1221	< 10000	10000
PCB-Aroclor 1232	< 10000	10000
PCB-Aroclor 1242	< 10000	10000
PCB-Aroclor 1248	60000	10000
PCB-Aroclor 1254	< 21000	21000
PCB-Aroclor 1260	< 21000	21000

LOD: Limit of detection

Analytical Method: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080(modified).

Results are reported on a dry weight basis. Moisture = 22%

LOD's varied due to dilution and sample clean up by gel permeation chromatography.

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55037-17
Lab No: 703792
Sample ID: MW-2 0-2FT

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 96	96
Aroclor 1221	< 96	96
Aroclor 1232	< 96	96
Aroclor 1242	< 96	96
Aroclor 1248	< 96	96
Aroclor 1254	< 190	190
Aroclor 1260	< 190	190

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 16.3%

CLAYTON ENVIRONMENTAL CONSULTANTS,INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55037-17
Lab No: 703793
Sample ID: MW-3 0-2FT

COMPOUND NAME	CONCENTRATION (ug/Kg)	LOD (ug/Kg)
Aroclor 1016	< 93	93
Aroclor 1221	< 93	93
Aroclor 1232	< 93	93
Aroclor 1242	< 93	93
Aroclor 1248	< 93	93
Aroclor 1254	< 190	190
Aroclor 1260	< 190	190

LOD = Limit of Detection

EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Method 8080 (Modified)

ug/Kg: Results are reported on a dry weight basis. Moisture = 13.6%

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55031-17

Lab Number: 703733
Sample Description: MW-1 3.5-5.5 FEET

Compound Name	Concentration (ug/gm)	Limit of Detection (ug/gm)
Arsenic	24	0.8
Barium	390	4
Cadmium	2.0	0.2
Chromium	260	2
Copper	700	0.8
Lead	120	2
Mercury	0.28	0.05
Selenium	<0.8	0.8
Silver	2.4	0.4
Zinc	650	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55062-17

Lab Number: 704058
Sample Description: MW-4 0-2 FEET

Compound Name	Concentration (ug/gm)	Limit of Detection (ug/gm)
Arsenic	6.8	0.8
Barium	70	4
Cadmium	<0.2	0.2
Chromium	12	2
Copper	12	0.8
Lead	10	2
Mercury	<0.05	0.05
Selenium	<0.8	0.8
Silver	<0.4	0.4
Zinc	45	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: E.C. JORDAN COMPANY

Project No: 55196-17
Sample Description: Lab Blank

Compound Name	Concentration (mg/L)
Arsenic	<0.002
Barium	<0.05
Cadmium	<0.002
Chromium	<0.02
Lead	<0.02
Mercury	<0.001
Selenium	<0.002
Silver	<0.005
Copper	<0.01
Zinc	0.0035

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705289
Sample Description: MW-1

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.23	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	<0.01	0.01
Zinc	0.017	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705290
Sample Description: MW-200

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	<0.05	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	0.03	0.01
Zinc	0.009	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705291
Sample Description: MW-2

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.18	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	0.01	0.01
Zinc	0.029	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705292
Sample Description: MW-3

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.003	0.003
Barium	0.26	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.003	0.003
Silver	<0.005	0.005
Copper	0.01	0.01
Zinc	0.027	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705293
Sample Description: MW-4

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.45	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	0.01	0.01
Zinc	0.010	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705295
Sample Description: MW-100

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.63	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	<0.01	0.01
Zinc	0.007	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705294
Sample Description: MW-5

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.54	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	<0.01	0.01
Zinc	0.008	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705296
Sample Description: SW-1

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.003	0.003
Barium	0.49	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.003	0.003
Silver	<0.005	0.005
Copper	<0.01	0.01
Zinc	0.024	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705297
Sample Description: SW-2

Compound Name	Concentration (mg/L)	Limit of Detection (mg/L)
Arsenic	<0.002	0.002
Barium	0.37	0.05
Cadmium	<0.002	0.002
Chromium	<0.02	0.02
Lead	<0.02	0.02
Mercury	<0.001	0.001
Selenium	<0.002	0.002
Silver	<0.005	0.005
Copper	<0.01	0.01
Zinc	0.019	0.003

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705304
Sample Description: HA-2 0-2 FT.

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	27	0.8
Barium	350	4
Cadmium	7.1	0.2
Chromium	530	2
Lead	600	2
Mercury	<0.05	0.05
Selenium	<2 *	0.8
Silver	3.5	0.4
Copper	1,400	0.8
Zinc	82	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

* The limit of detection has been raised due to matrix interferences present in the sample.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705303
Sample Description: HA-1 0-2 FT.

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	17	0.8
Barium	210	4
Cadmium	3.2	0.2
Chromium	530	2
Lead	190	2
Mercury	0.11	0.05
Selenium	<2 *	0.8
Silver	1.5	0.4
Copper	320	0.8
Zinc	72	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

* The limit of detection has been raised due to matrix interferences present in the sample.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705302
Sample Description: BS-100

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	6.2	0.8
Barium	66	4
Cadmium	<0.2	0.2
Chromium	16	2
Lead	15	2
Mercury	<0.05	0.05
Selenium	<0.8	0.8
Silver	0.4	0.4
Copper	22	0.8
Zinc	6.3	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705301
Sample Description: BS-1

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	5.7	0.8
Barium	64	4
Cadmium	<0.2	0.2
Chromium	16	2
Lead	14	2
Mercury	<0.05	0.05
Selenium	<0.8	0.8
Silver	<0.4	0.4
Copper	22	0.8
Zinc	6.5	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705300
Sample Description: SED-2

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	8.5	0.8
Barium	87	4
Cadmium	1.1	0.2
Chromium	18	2
Lead	110	2
Mercury	0.10	0.05
Selenium	<0.8	0.8
Silver	3.4	0.4
Copper	34	0.8
Zinc	19	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
E.C. JORDAN COMPANY

Clayton Project No.: 55196-17

Lab Number: 705299
Sample Description: SED-1

Compound Name	Concentration (ug/g)	Limit of Detection (ug/g)
Arsenic	4.6	0.8
Barium	31	4
Cadmium	0.3	0.2
Chromium	6	2
Lead	51	2
Mercury	<0.05	0.05
Selenium	<0.8	0.8
Silver	<0.4	0.4
Copper	7.1	0.8
Zinc	79	0.3

Analytical Reference: EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Second and Third Editions.

C-E ENVIRONMENTAL, INC.

FINAL REPORT

SITE ASSESSMENT - PHASE II
FORMER DISPOSAL AREA

HYDRA-MATIC PLANT
TOLEDO, OHIO

Prepared for:

HYDRA-MATIC DIVISION OF
GENERAL MOTORS CORPORATION
TOLEDO, OHIO

JULY 1990

5859-01

COMBUSTION ENGINEERING

FINAL REPORT

SITE ASSESSMENT - PHASE II
FORMER DISPOSAL AREA

HYDRA-MATIC PLANT
TOLEDO, OHIO

Prepared for:

HYDRA-MATIC DIVISION OF
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TOLEDO, OHIO

JULY, 1990

5859-01

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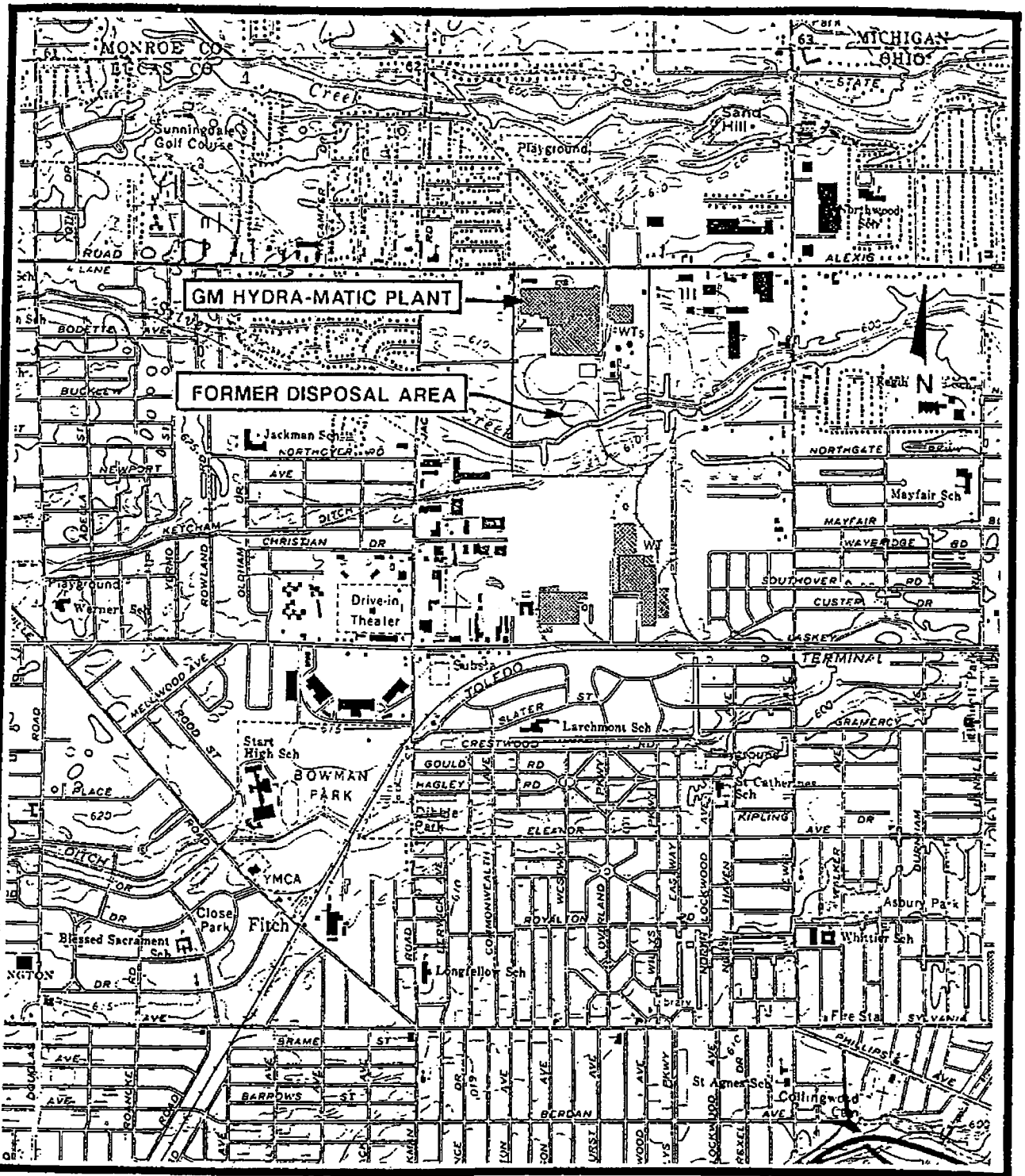
1.0 INTRODUCTION

This report describes Phase II of the site assessment that C-E Environmental, Inc. (C-EE) conducted for the Hydra-matic Division of General Motors Corporation (Hydra-matic) at a former disposal area located at Hydra-matic's facility in Toledo, Ohio (see Figure 1-1).

In late 1988, Hydra-matic discovered that a portion of their Toledo plant site, approximately 5 acres in size, was used in the late 1950s and 1960s as a disposal area (see Figure 1-2). The disposal area appears to be bounded by railroad tracks to the north and east and by the Silver Creek to the south. Hydra-matic owns all of the land abutting this parcel. According to Hydra-matic, open burning of wastes in the disposal area was common practice during its operation. An aerial photograph of the Hydra-matic facility from the late 1950s shows active waste disposal operations at the site.

In addition, fire-fighter training exercises have been carried out on the northern end of the disposal area. Large pieces of equipment were set on fire by igniting fuels on or around the equipment. In the past, paint sludge was reportedly utilized as a fuel.

C-EE conducted a preliminary site assessment (Phase I) at the disposal area and its environs for Hydra-matic in January, 1989. The assessment included a magnetometer survey, soil borings, monitoring well installations, and sampling and analysis. Based on the Phase I findings, it was decided by C-EE and Hydra-matic that an additional phase of investigation, including sampling and analysis, be conducted on-site.



SOURCE: USGS QUADRANGLE
TOLEDO, OH-MI, 1980

SCALE

0 2000 4000 FEET

FIGURE 1-1
SITE LOCATION
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

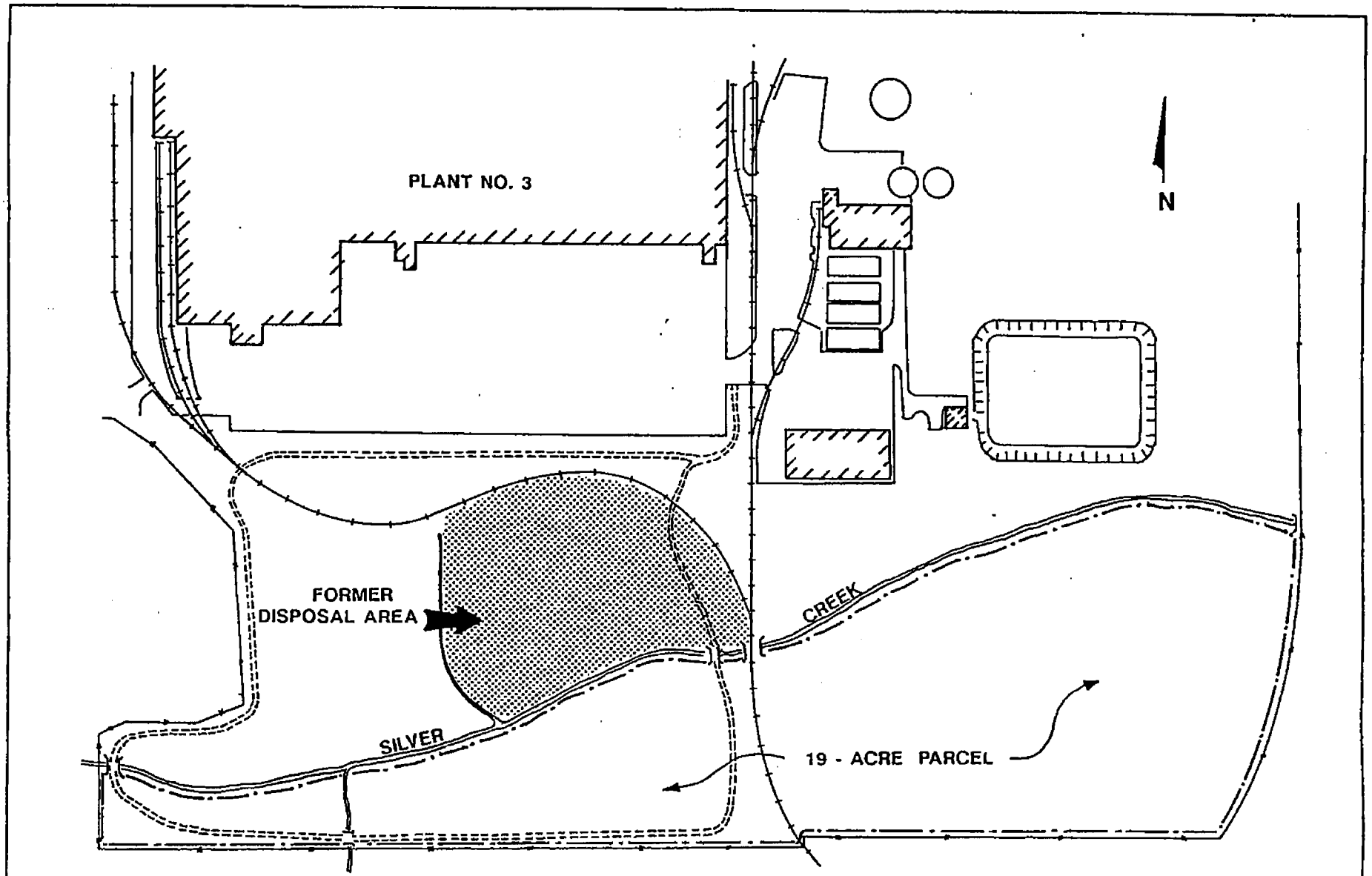


FIGURE 1-2
SITE FEATURES
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

2.0 PROJECT OBJECTIVES

The goal of C-EE's Phase II site assessment was to confirm the results of the first phase of investigation that was conducted by C-EE in January, 1989. The specific objectives of Phase II were as follows:

(a) confirm the presence of polychlorinated biphenyls (PCBs) at specific locations within the disposal area and at the background soil location established during Phase I;

(b) further investigate the impact of the disposal area on sediments in the Silver Creek;

(c) assess if contaminants, carried by ash or surface runoff, were deposited in the ditch immediately bounding the assumed western boundary of the disposal area;

(d) confirm the presence of contaminants in groundwater beneath the disposal area that were detected during Phase I; and

(e) characterize the seepage from the disposal area which is discharging to the Silver Creek.

3.0 FIELD ACTIVITIES

The field activities described in this section were conducted by C-EE on August 22 and 23, 1989. The activities included static water level measurements and groundwater, surface soil/waste, creek sediment, and leachate sampling. Analytical services were provided by Clayton Environmental Consultants (Clayton), Novi, Michigan. In addition, Clayton provided analytical reporting documents presented in the format requested by Hydra-matic (Format I). Appendix A contains Clayton's laboratory analytical reports. Appendix B (bound separately) provides Hydra-matic with Clayton's quality control package.

3.1 GROUNDWATER SAMPLING

During the conduct of Phase I, groundwater directly beneath the disposal area was found to be contaminated with trichloroethene (TCE) and trans-1-2 dichloroethene (DCE). To confirm the presence of these contaminants, C-EE collected groundwater samples from the five on-site monitoring wells on August 22. Prior to sampling, the static water levels and well depths were measured from the top of each well casing. The volume of water standing inside the well casing was calculated, and three water volumes were evacuated from the well (or the well was bailed dry) using a stainless steel bailer. Groundwater temperature, pH, and specific conductance were recorded during purging and just before sampling. These measurements were used to indicate that a representative groundwater sample was being collected. Once these three parameters stabilized, it was assumed that all stagnant water in the well casing had been removed. See Appendix C for field sampling data sheets.

After purging each well, groundwater samples were collected with a stainless steel bailer. Following collection, the samples were submitted to Clayton for analysis of dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver) and Hazardous Substance List (HSL) volatiles. The aliquot of each groundwater sample to be analyzed for dissolved metals was pressure-filtered with nitrogen in a 2.4-liter barrel filter using a membrane filter with a 0.45-micron pore size. Following the filtering step, each sample was preserved with nitric acid.

The stainless steel bailer used for sample collection was decontaminated between monitoring well locations with a trisodium phosphate distilled water solution wash and distilled water rinse. The decontamination procedures were verified by submitting a sampler blank to the laboratory for analysis. A sampler blank is a distilled water sample handled and processed in the same manner as a groundwater sample (i.e., it is poured into the bailer and into sample bottles, filtered, and preserved). In addition to the sampler blank, one duplicate sample of MW-1 and one trip blank were submitted for analysis.

3.2 SURFACE SOIL/WASTE SAMPLING

During C-EE's preliminary site assessment, two surface waste samples (HA-1 and HA-2) and one surface soil sample (BS-1) were found to contain the PCB, Arochlor 1248. C-EE's sampling of soil/waste during Phase II was designed to confirm the presence of PCBs at these locations. Pertinent field sampling data sheets can be found in Appendix C.

During Phase I, two samples were collected in charred areas on the disposal area surface (areas where fire-fighting training exercises were formerly carried out). To confirm the presence of PCBs in these charred areas, C-EE collected surface samples (0 to 1 foot) adjacent to Phase I locations HA-1 and HA-2 with a hand-auger; these samples were labelled HA-3 and HA-4.

C-EE also collected two additional surface samples (HA-5 and HA-6) on the disposal area as shown in Figure 3-1. The four surface samples plus one blind PCB sample (supplied by Hydra-matic) were submitted to Clayton for analysis of PCBs.

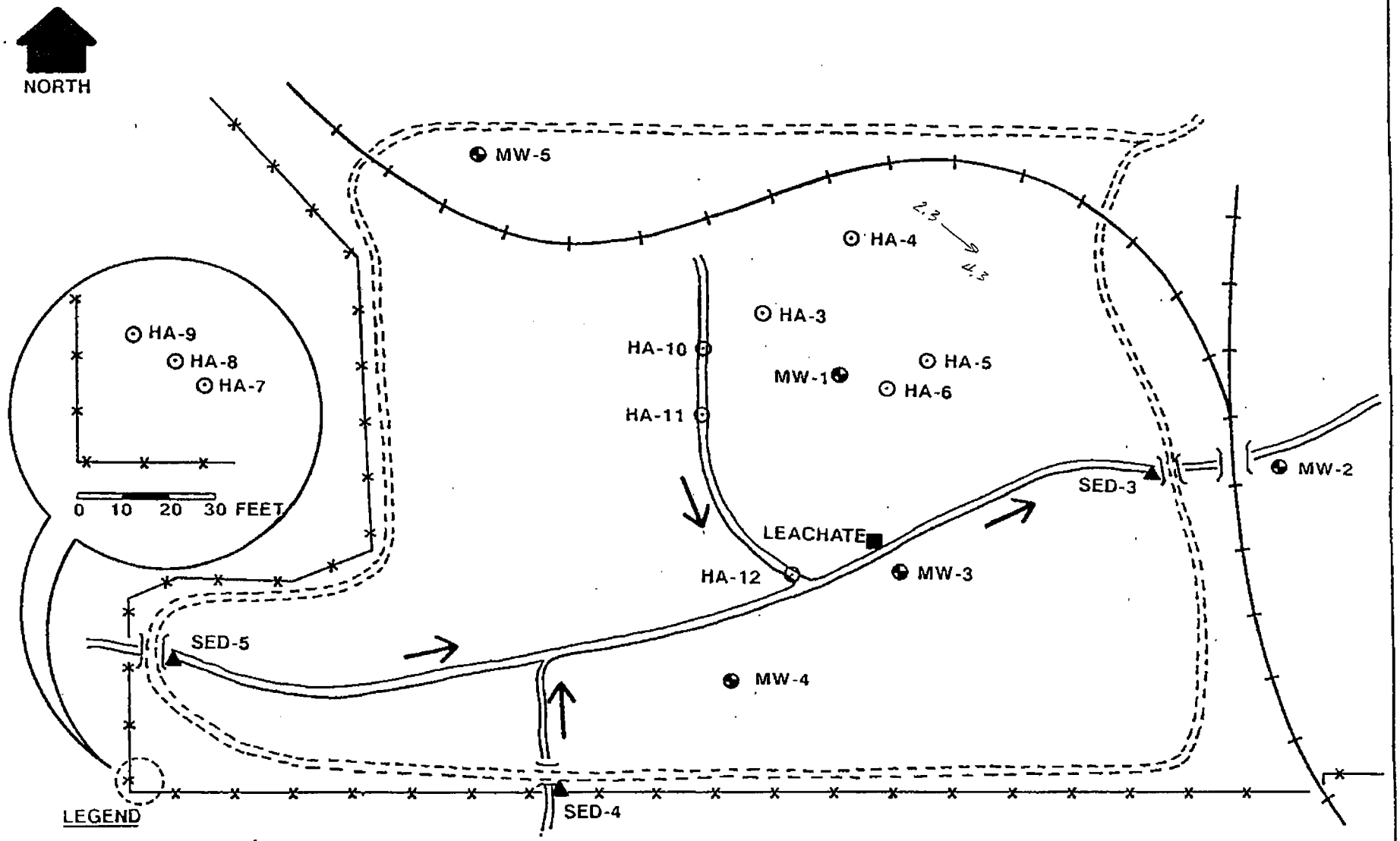


FIGURE 3-1
PHASE II SAMPLE LOCATIONS
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

During Phase I, the PCB Arochlor 1248 was detected in the surface soil sample, BS-1 located in the southwest corner of the study area. C-EE evaluated the horizontal extent of PCB contamination at this location during Phase II by collecting three surface soil samples with a hand-auger at the locations shown in Figure 3-1. The three surface soil samples plus one duplicate sample were submitted to Clayton for analysis of PCBs.

Contaminants from the disposal area, transported by surface runoff, may have been deposited in the ditch that bounds the western edge of the disposal area. During Phase II, C-EE collected three surface soil samples in the ditch with a hand-auger at the locations shown in Figure 3-1 on August 23. The three soil samples plus one duplicate were submitted to Clayton for analysis of HSL volatile and base/neutral semi-volatile organics, PCBs, and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver).

3.3 LEACHATE SAMPLING

During the June 13 meeting at the Hydra-matic facility, Hydra-matic personnel identified an area along the southern boundary of the disposal area where seepage was occurring from the side of the disposal area. C-EE originally proposed to collect a sample of this leachate. However, at the time of sample collection, the amount of leachate emanating from the disposal area was insufficient for chemical analysis. C-EE, therefore, collected a sample of the leachate saturated sediments in this area. See Appendix C for all field sampling data sheets.

Following collection, this sample was submitted to the laboratory for analysis of HSL volatile and base/neutral semi-volatile organics and total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, copper, zinc, and silver).

3.4 CREEK SEDIMENT SAMPLING

To assess the impact of the disposal area on sediments in the Silver Creek, C-EE collected three sediment samples at locations both upstream and downstream of the disposal area as shown in Figure 3-1. The samples were collected with a stainless-steel scoop from the top three inches of sediment. See Appendix C for field sampling reports.

Following collection, the samples were submitted to the laboratory for analysis of base/neutral semi-volatile organics and the metals lead and zinc.

4.0 RESULTS

This section summarizes the results of Phase II of the site assessment described in Section 3.0. Analytical results for groundwater, surface soil/waste, leachate, and creek sediment samples are presented.

4.1 DIRECTION OF GROUNDWATER FLOW

As discussed in Section 3.1, static water levels were measured in all five monitoring wells on-site prior to groundwater sampling. Elevation data and static water level measurements obtained on August 22 are included in Table 4-1.

Based upon groundwater and surface water (creek) elevation data, it appears that groundwater beneath the disposal area generally flows southward toward the Silver Creek. On the 19-acre parcel south of the Silver Creek, groundwater tends to flow in a north to northeast direction also towards the creek (Figure 4-1). These general groundwater flow directions confirm the observations made during C-EE's preliminary site assessment conducted in January, 1989.

4.2 GROUNDWATER

In addition to the groundwater samples collected from the five monitoring wells, three additional water samples were submitted for quality control: one duplicate sample from MW-1; one sampler blank; and one trip blank. It should be noted that the VOA vials submitted to Clayton for the duplicate sample from MW-1 (MW-200) froze and broke during laboratory storage and could not be analyzed. Consequently, C-EE requested that Clayton utilize the groundwater sample from MW-1 as the intra-laboratory split sample, required as part of Hydra-matic's requested Format 1 analytical reporting package. Results of the analysis are presented in Tables 4-2 and 4-3. Laboratory analytical reports are included in Appendix A.

TCE was detected at a concentration of 23 parts per billion (ppb) in well MW-1 and at a concentration of 22 ppb in the intra-laboratory split of the groundwater sample from MW-1. (See Table 4-2). DCE was also detected in MW-1 and its intra-laboratory duplicate at concentrations of 54 parts per billion (ppb) and 55 ppb, respectively. These two organic contaminants were detected in groundwater samples collected from MW-1 during Phase I at concentrations of 16 ppb (TCE) and 39 ppb (DCE).

Acetone, a common laboratory contaminant was also detected in all of the groundwater samples submitted, as well as the trip blank. Concentrations of acetone ranged from 10 ppb (MW-100, sampler blank) to 60 ppb (MW-4 and trip blank). It should be noted that acetone was also detected in the laboratory method blank at a concentration of 10 ppb (see Appendix B).

Concentrations of the metals, arsenic, barium, copper, lead, and zinc were detected in some of the groundwater samples submitted (see Table 4-3). With the exception of lead, detected in MW-3, the concentrations reported are below applicable drinking water standards. The concentration of lead in MW-3 was found to be equal to the Maximum Contaminant Level (50 ppb). During Phase I, the lead concentration in MW-3 was found to be less than 20 ppb.

4.3 SURFACE WASTES

C-EE collected four surface waste samples (0 to 1 foot) from areas that were charred on the disposal area surface (HA-3, HA-4, HA-5, and HA-6). In addition to the four hand-auger samples, one blind PCB sample (supplied by Hydra-matic) was submitted to Clayton for analysis of PCBs. Analytical results for these samples are presented in Table 4-4. The laboratory analytical reports are included in Appendix A.

TABLE 4-1

STATIC WATER LEVELS AND ELEVATION DATA
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

WELL NO.	TOP OF CASING ELEVATION	DEPTH TO WATER	STATIC WATER LEVEL ELEVATION	DEPTH TO BOTTOM OF WELL
MW-1	612.24	11.46	600.78	15
MW-2	602.38	7.94	594.44	8.5
MW-3	603.97	7.56	596.41	8.5
MW-4	605.90	8.12	597.78	8.5
MW-5	610.12	7.33	602.79	10

NOTES:

1. All measurements in feet.
2. Elevations referenced to rim of storm sewer manhole Number 15.
3. Water level measurements taken on August 22, 1989.

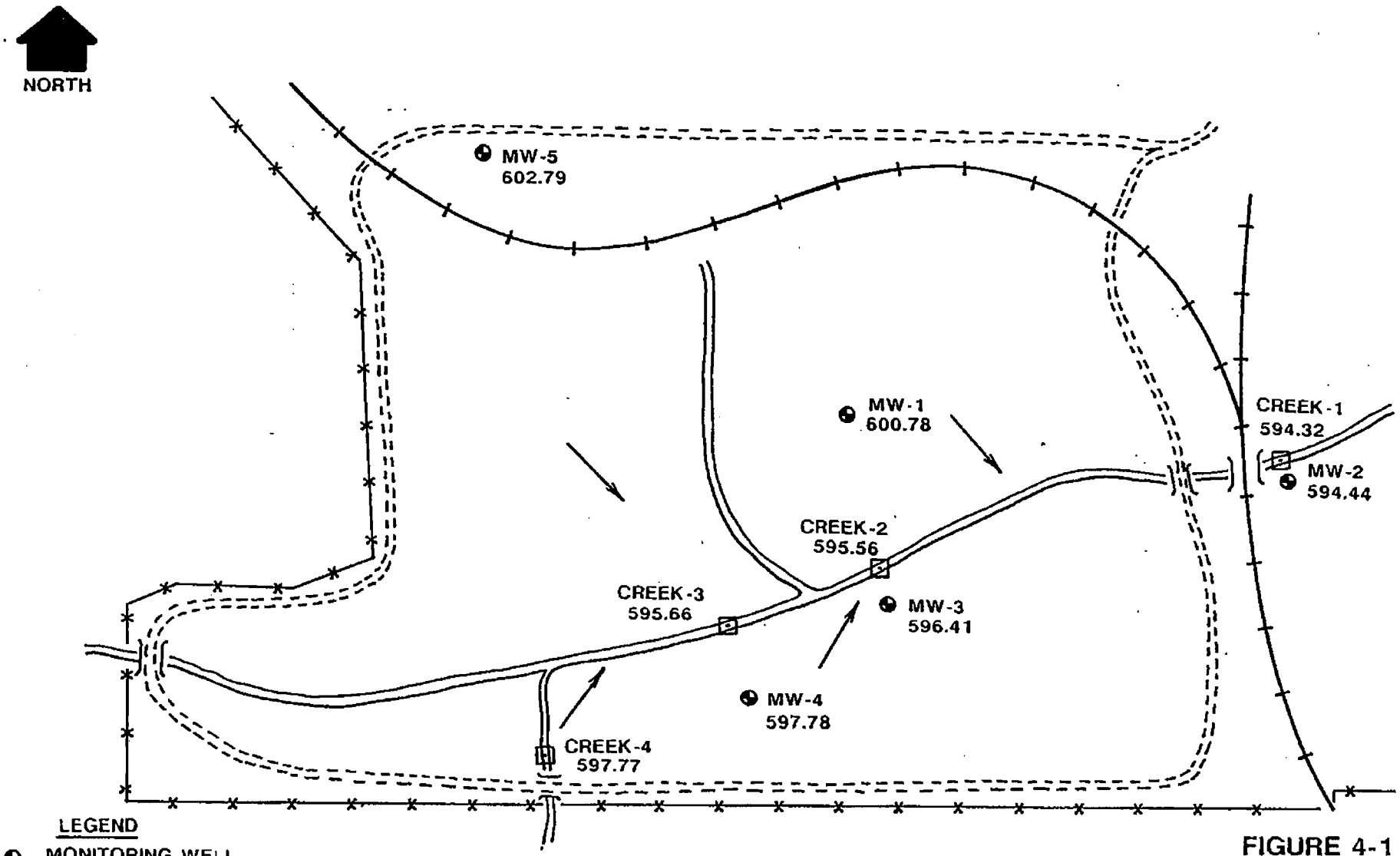


FIGURE 4-1
GROUNDWATER ELEVATION
AND FLOW DIRECTION MAP
AUGUST 22, 1989
GM HYDRA-MATIC
TOLEDO, OHIO

C-E ENVIRONMENTAL, INC.

TABLE 4-2

VOLATILE ORGANICS IN GROUNDWATER
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

VOLATILE ORGANIC COMPOUNDS	MW-1	MW-1 (LAB DUP)	MW-2	MW-3	MW-4	MW-5	MW-100 (SAMPLER BLANK)	TRIP BLANK
Acetone	20	30	20	40	60	30	10	60
Benzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon Disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Tetrachloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethene (total)	54	55	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Cis-1,3-Dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trans-1,3-Dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-Pentanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	23	22	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Xylenes (total)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Notes:
1. All concentrations are reported as ug/l (ppb).

TABLE 4-3

INORGANICS IN GROUNDWATER
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

TOTAL METALS	MW-1	MW-1 (LAB DUP)	MW-200 (FIELD DUP OF MW-1)	MW-2	MW-3	MW-4	MW-5	MW-100 (SAMPLER BLANK)
ARSENIC	< 0.002	< 0.002	< 0.002	0.006	< 0.002	0.028	0.008	< 0.002
BARIUM	0.13	0.13	0.12	0.18	0.10	0.17	0.23	< 0.05
CADMIUM	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
CHROMIUM	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
COPPER	0.50	0.49	0.07	0.01	0.72	0.94	0.17	0.03
LEAD	< 0.02	< 0.02	< 0.02	< 0.02	0.05	< 0.02	< 0.02	< 0.02
MERCURY	< 0.001	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
SELENIUM	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
SILVER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
ZINC	0.42	0.39	0.14	0.08	0.59	0.62	0.24	< 0.05

Notes:
1. All concentrations in mg/L (ppm).
2. NA - Not analyzed; insufficient volume of sample.

TABLE 4-4

POLYCHLORINATED BIPHENYLS (PCBs) IN WASTES
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

POLYCHLORINATED BIPHENYL COMPOUNDS	HA-3	HA-4	HA-5	HA-6	HA-500 (BLIND QC SAMPLE)
PCB Arochlor-1016	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1221	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1232	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1242	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1248	< 100	< 100	3,500	12,000	< 100
PCB Arochlor-1254	500	2,300	< 200	< 200	< 200
PCB Arochlor-1260	< 200	< 200	< 200	< 200	56,000

Notes:
1. All concentrations are reported as ug/kg (ppb).

The PCB compound, Arochlor 1248, was detected in the surface waste samples HA-5 (3,500 ppb) and HA-6 (12,000 ppb). Arochlor 1254 was detected in surface waste samples HA-3 (500 ppb) and HA-4 (2,300 ppb). HA-3 and HA-4 were collected adjacent to Phase I locations, HA-1 and HA-2, which exhibited concentrations of the Arochlor 1248 of 4,700 and 60,000 ppb, respectively.

Clayton reported a concentration of 56,000 ppb of the Arochlor 1260 for the blind PCB sample (HA-500) provided by Hydra-matic. A representative of Hydra-matic informed C-EE that the true mean concentration for the sample was 78,200 ppb with a standard deviation of $\pm$ 21,000 ppb.

4.4 SURFACE SOILS

C-EE collected a total of six surface soil samples on-site during Phase II of the site assessment. Three were collected in the southwest corner of the adjacent 19-acre parcel (HA-7, HA-8, and HA-9) and three were collected in the ditch that bounds the western edge of the disposal area (HA-10, HA-11 and HA-12). The six samples, including two duplicate samples for quality control (HA-300 and HA-400) were submitted for analysis. Results of the analysis are presented in Tables 4-5 through 4-8. Laboratory analytical reports are included in Appendix A.

Surface soil samples HA-7, HA-8, HA-9, and HA-300 (duplicate of HA-7) all exhibited detectable concentrations of the PCB Arochlor 1248 (see Table 4-5). Concentrations ranged from 500 ppb (HA-7 and HA-300) to 13,000 ppb (HA-9). The same PCB compound was detected in surface soil sample BS-1 (4,300 ppb), collected in the same general area during Phase I.

None of the surface soil samples collected in the ditch contained PCBs (see Table 4-5).

The volatile organic compound, DCE, was detected in the ditch surface soil samples HA-10, HA-400 (duplicate of HA-10), and HA-11 at concentrations ranging from 8 ppb (HA-10) to 16 ppb (HA-400). (See Table 4-6). The common laboratory contaminants acetone and methylene chloride were also detected in the four soil samples. Concentrations of acetone ranged from 30 ppb (HA-11 and HA-12) to 70 ppb (HA-10). Concentrations of methylene chloride ranged from 9 ppb (HA-12) to 20 ppb (HA-10).

Several base/neutral semi-volatile compounds were detected in ditch surface soil sample HA-12 as evidenced in Table 4-7. Those compounds detected in HA-12 were found at concentrations less than 3,300 ppb. No semi-volatile compounds were detected in samples HA-10, HA-400, and HA-11.

Concentrations of metals in soil samples HA-10, HA-400, HA-11, and HA-12 were below or closely approximate those detected in background surface soil sample BS-1, collected during Phase I with the exception of zinc (see Table 4-8). Zinc concentrations in the four soil samples ranged from 24 to 59 parts per million (ppm). Although present at levels above background, these concentrations are not considered significant. Depending on the soils type, concentrations of zinc in soils of southern Michigan can range from 0 to 50 ppm.

4.5 LEACHATE

One sample of leachate saturated sediments emanating from the disposal area was submitted for analysis. Analytical results are presented in Tables 4-6, 4-9, and 4-10. Laboratory analytical reports are included in Appendix A.

Acetone, a common laboratory contaminant, was found in the leachate sample at a concentration of 50 ppm (see Table 4-6). No other volatile compounds were detected in the sample.

TABLE 4-5

POLYCHLORINATED BIPHENYLS (PCBs) IN SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

POLYCHLORINATED BIPHENYL COMPOUNDS	HA-7	HA-300 (DUP OF HA-7)	HA-8	HA-9	HA-10	HA-400 (DUP OF HA-10)	HA-11	HA-12
PCB Arochlor-1016	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1221	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1232	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1242	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
PCB Arochlor-1248	500	500	2,900	13,000	< 100	< 100	< 100	< 100
PCB Arochlor-1254	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
PCB Arochlor-1260	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-6

VOLATILE ORGANICS IN SOIL AND LEACHATE
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

VOLATILE ORGANIC COMPOUNDS	HA-10	HA-400 (DUP OF HA-10)	HA-11	HA-12	LEACHATE
Acetone	70	40	30	30	50
Benzene	< 6	< 6	< 7	< 6	< 8
Bromodichloromethane	< 6	< 6	< 7	< 6	< 8
Bromoform	< 6	< 6	< 7	< 6	< 8
Bromomethane	< 10	< 10	< 10	< 10	< 20
2-Butanone	< 10	< 10	< 10	< 10	< 20
Carbon Disulfide	< 6	< 6	< 7	< 6	< 8
Carbon Tetrachloride	< 6	< 6	< 7	< 6	< 8
Chlorobenzene	< 6	< 6	< 7	< 6	< 8
Chloroethane	< 10	< 10	< 10	< 10	< 20
Chloroform	< 6	< 6	< 7	< 6	< 8
Chloromethane	< 10	< 10	< 10	< 10	< 20
Dibromochloromethane	< 6	< 6	< 7	< 6	< 8
1,1-Dichloroethane	< 6	< 6	< 7	< 6	< 8
1,2-Dichloroethane	< 6	< 6	< 7	< 6	< 8
1,1-Dichloroethene	< 6	< 6	< 7	< 6	< 8
1,2-Dichloroethene (total)	8	16	13	< 6	< 8
1,2-Dichloropropane	< 6	< 6	< 7	< 6	< 8
cis-1,3-Dichloropropene	< 6	< 6	< 7	< 6	< 8
trans-1,3-Dichloropropene	< 6	< 6	< 7	< 6	< 8
Ethylbenzene	< 6	< 6	< 7	< 6	< 8
2-Hexanone	< 10	< 10	< 10	< 10	< 20
Methylene Chloride	20	14	14	9	< 8
4-Methyl-2-Pentanone	< 10	< 10	< 10	< 10	< 20
Styrene	< 6	< 6	< 7	< 6	< 8
1,1,2,2-Tetrachloroethane	< 6	< 6	< 7	< 6	< 8
Tetrachloroethene	< 6	< 6	< 7	< 6	< 8
Toluene	< 6	< 6	< 7	< 6	< 8
1,1,1-Trichloroethane	< 6	< 6	< 7	< 6	< 8
1,1,2-Trichloroethane	< 6	< 6	< 7	< 6	< 8
Trichloroethene	< 6	< 6	< 7	< 6	< 8
Vinyl Acetate	< 10	< 10	< 10	< 10	< 20
Vinyl Chloride	< 10	< 10	< 10	< 10	< 20
Xylenes (total)	< 6	< 6	< 7	< 6	< 8
Total Solids (%)	81	82	76	82	66

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-7

BASE/NEUTRAL EXTRACTABLE ORGANICS IN SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS	HA-10	HA-400 (DUP OF HA-10)	HA-11	HA-12
Acenaphthene	< 800	< 800	< 900	< 800
Acenaphthylene	< 800	< 800	< 900	< 800
Anthracene	< 800	< 800	< 900	< 800
Benzo (a) Anthracene	< 800	< 800	< 900	1,200
Benzo (b) Fluoranthene	< 800	< 800	< 900	1,400
Benzo (k) Fluoranthene	< 800	< 800	< 900	1,700
Benzo (a) Pyrene	< 800	< 800	< 900	1,300
Benzo (g,h,i) Perylene	< 800	< 800	< 900	1,200
Benzyl Alcohol	< 800	< 800	< 900	< 800
Butylbenzylphthalate	< 800	< 800	< 900	< 800
Bis(2-Chloroethyl)Ether	< 800	< 800	< 900	< 800
Bis(2-Chloroethoxy)Methane	< 800	< 800	< 900	< 800
Bis(2-Chloroisopropyl)Ether	< 800	< 800	< 900	< 800
Bis (2-Ethylhexyl) Phthalate	< 800	< 800	< 900	< 800
4-Bromophenyl-Phenylether	< 800	< 800	< 900	< 800
4-Chloroaniline	< 800	< 800	< 900	< 800
2-Chloronaphthalene	< 800	< 800	< 900	< 800
4-Chlorophenyl-Phenylether	< 800	< 800	< 900	< 800
Chrysene	< 800	< 800	< 900	1,500
Dibenzo (a,h) Anthracene	< 800	< 800	< 900	< 800
Dibenzofuran	< 800	< 800	< 900	< 800
Di-n-Butylphthalate	< 800	< 800	< 900	< 800
1,2-Dichlorobenzene	< 800	< 800	< 900	< 800
1,3-Dichlorobenzene	< 800	< 800	< 900	< 800
1,4-Dichlorobenzene	< 800	< 800	< 900	< 800
3,3-Dichlorobenzidine	< 2,000	< 2,000	< 2,000	< 2,000
Diethylphthalate	< 800	< 800	< 900	< 800
Dimethyl Phthalate	< 800	< 800	< 900	< 800
2,4-Dinitrotoluene	< 800	< 800	< 900	< 800
2,6-Dinitrotoluene	< 800	< 800	< 900	< 800
Di-n-Octyl Phthalate	< 800	< 800	< 900	< 800
Fluoranthene	< 800	< 800	< 900	3,300
Fluorene	< 800	< 800	< 900	< 800
Hexachlorobenzene	< 800	< 800	< 900	< 800
Hexacholorobutadiene	< 800	< 800	< 900	< 800
Hexachlorocyclopentadiene	< 800	< 800	< 900	< 800
Hexachloroethane	< 800	< 800	< 900	< 800
Indeno (1,2,3-cd) Pyrene	< 800	< 800	< 900	1,100
Isophorone	< 800	< 800	< 900	< 800
2-Methylnaphthalene	< 800	< 800	< 900	< 800
Naphthalene	< 800	< 800	< 900	< 800
2-Nitroaniline	< 4,000	< 4,000	< 4,000	< 4,000
3-Nitroaniline	< 4,000	< 4,000	< 4,000	< 4,000
4-Nitroaniline	< 4,000	< 4,000	< 4,000	< 4,000
Nitrobenzene	< 800	< 800	< 900	< 800
N-Nitroso-Di-n-Propylamine	< 800	< 800	< 900	< 800
N-Nitrosodiphenylamine	< 800	< 800	< 900	< 800
Phenanthrene	< 800	< 800	< 900	1,700
Pyrene	< 800	< 800	< 900	2,300
1,2,4-Trichlorobenzene	< 800	< 800	< 900	< 800
Total Solids (%)	81	82	76	82

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-8

INORGANICS IN SOILS
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

TOTAL METALS	HA-10	HA-400 (DUP OF HA-10)	HA-11	HA-12
ARSENIC	2.0	2.4	2.7	1.0
BARIUM	28	24	26	11
CADMIUM	< 0.2	0.5	< 0.2	0.3
CHROMIUM	5	5	5	2
COPPER	6.7	5.4	9.3	4.0
LEAD	6	5	6	21
MERCURY	< 0.06	< 0.06	< 0.07	0.08
SELENIUM	< 1.0	< 1.0	< 1.1	< 1.0
SILVER	< 0.5	< 0.5	< 0.5	< 0.5
ZINC	29	24	59	28

Notes:
1. All concentrations in ug/g (ppm).
2. NA - Not analyzed.

TABLE 4-9

BASE/NEUTRAL EXTRACTABLE ORGANICS IN CREEK
SEDIMENTS AND DISPOSAL AREA LEACHATE
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS	LEACHATE	SED-3	SED-4	SED-5
Acenaphthene	< 1,000	< 900	< 900	< 1,000
Acenaphthylene	< 1,000	< 900	< 900	< 1,000
Anthracene	< 1,000	< 900	< 900	< 1,000
Benzo (a) Anthracene	< 1,000	1,000	< 900	< 1,000
Benzo (b) Fluoranthene	< 1,000	1,300	< 900	< 1,000
Benzo (k) Fluoranthene	1,000	2,000	1,100	< 1,000
Benzo (a) Pyrene	< 1,000	1,300	< 900	< 1,000
Benzo (g,h,i) Perylene	< 1,000	< 900	< 900	< 1,000
Benzyl Alcohol	< 1,000	< 900	< 900	< 1,000
Butylbenzylphthalate	< 1,000	< 900	< 900	< 1,000
Bis(2-Chloroethyl)Ether	< 1,000	< 900	< 900	< 1,000
Bis(2-Chloroethoxy)Methane	< 1,000	< 900	< 900	< 1,000
Bis(2-Chloroisopropyl)Ether	< 1,000	< 900	< 900	< 1,000
Bis (2-Ethylhexyl) Phthalate	< 1,000	< 900	< 900	< 1,000
4-Bromophenyl-Phenylether	< 1,000	< 900	< 900	< 1,000
4-Chloroaniline	< 1,000	< 900	< 900	< 1,000
2-Chloronaphthalene	< 1,000	< 900	< 900	< 1,000
4-Chlorophenyl-Phenylether	< 1,000	< 900	< 900	< 1,000
Chrysene	1,000	1,500	< 900	< 1,000
Dibenzo (a,h) Anthracene	< 1,000	< 900	< 900	< 1,000
Dibenzofuran	< 1,000	< 900	< 900	< 1,000
Di-n-Butylphthalate	< 1,000	< 900	< 900	< 1,000
1,2-Dichlorobenzene	< 1,000	< 900	< 900	< 1,000
1,3-Dichlorobenzene	< 1,000	< 900	< 900	< 1,000
1,4-Dichlorobenzene	< 1,000	< 900	< 900	< 1,000
3,3-Dichlorobenzidine	< 2,000	< 2,000	< 2,000	< 2,000
Diethylphthalate	< 1,000	< 900	< 900	< 1,000
Dimethyl Phthalate	< 1,000	< 900	< 900	< 1,000
2,4-Dinitrotoluene	< 1,000	< 900	< 900	< 1,000
2,6-Dinitrotoluene	< 1,000	< 900	< 900	< 1,000
Di-n-Octyl Phthalate	< 1,000	< 900	< 900	< 1,000
Fluoranthene	2,000	3,400	1,400	2,000
Fluorene	< 1,000	< 900	< 900	< 1,000
Hexachlorobenzene	< 1,000	< 900	< 900	< 1,000
Hexacholorobutadiene	< 1,000	< 900	< 900	< 1,000
Hexachlorocyclopentadiene	< 1,000	< 900	< 900	< 1,000
Hexachloroethane	< 1,000	< 900	< 900	< 1,000
Indeno (1,2,3-cd) Pyrene	< 1,000	1,000	< 900	< 1,000
Isophorone	< 1,000	< 900	< 900	< 1,000
2-Methylnaphthalene	< 1,000	< 900	< 900	< 1,000
Naphthalene	< 1,000	< 900	< 900	< 1,000
2-Nitroaniline	< 5,000	< 5,000	< 4,000	< 5,000
3-Nitroaniline	< 5,000	< 5,000	< 4,000	< 5,000
4-Nitroaniline	< 5,000	< 5,000	< 4,000	< 5,000
Nitrobenzene	< 1,000	< 900	< 900	< 1,000
N-Nitroso-Di-n-Propylamine	< 1,000	< 900	< 900	< 1,000
N-Nitrosodiphenylamine	< 1,000	< 900	< 900	< 1,000
Phenanthrene	< 1,000	1,700	< 900	< 1,000
Pyrene	2,000	2,800	1,100	1,000
1,2,4-Trichlorobenzene	< 1,000	< 900	< 900	< 1,000
Total Solids (%)	66	71	76	76

Notes:
1. All concentrations are reported as ug/kg (ppb).

TABLE 4-10

INORGANICS IN CREEK SEDIMENTS
AND DISPOSAL AREA LEACHATE
GM HYDRA-MATIC, TOLEDO, OHIO
PHASE II SITE ASSESSMENT STUDY

TOTAL METALS	LEACHATE	LEACHATE (LAB DUP)	SED-3	SED-4	SED-5
ARSENIC	1.5	NA	NA	NA	NA
BARIUM	17	NA	NA	NA	NA
CADMIUM	< 0.3	NA	NA	NA	NA
CHROMIUM	< 3	NA	NA	NA	NA
COPPER	3.7	NA	NA	NA	NA
LEAD	11	NA	15	9	11
MERCURY	< 0.06	< 0.06	NA	NA	NA
SELENIUM	< 1.3	NA	NA	NA	NA
SILVER	< 0.6	NA	NA	NA	NA
ZINC	23	NA	27	19	20

Notes:
1. All concentrations in ug/g (ppm).
2. NA - Not analyzed.

Four base/neutral semi-volatile compounds (benzo(k)fluoranthene, chrysene, fluoranthene, and pyrene) were detected in the leachate sample (see Table 4-9). However, concentrations were less than 2,000 ppb.

Concentration of metals in the leachate sample were all below those expected to be in background soils on-site (see Table 4-10). It should be noted that the laboratory duplicated the leachate sample for mercury analysis to satisfy Hydra-matic's Format 1 analytical reporting requirements. Originally, groundwater sample, MW-1, was selected as the intra-laboratory duplicate sample. However, there was insufficient sample volume to conduct the duplicate mercury analysis on MW-1. C-EE, therefore, elected to have the laboratory conduct a duplicate analysis for mercury for the leachate sample (see Table 4-10).

4.6 CREEK SEDIMENTS

Three creek sediment samples (SED-3, SED-4, and SED-5) were submitted for laboratory analysis. Analytical results are presented in Tables 4-9 and 4-10. The laboratory analytical reports are included in Appendix A.

Several base/neutral semi-volatile compounds were detected in creek sediment sample SED-3 (see Table 4-9). Those detected in the SED-3 sample were at concentrations less than 3,400 ppb. Creek sediment sample SED-4 exhibited concentrations of benzo(k)fluoranthene (1,100 ppb), fluoranthene (1,400 ppb), and pyrene (1,100 ppb). Sample SED-5 also contained concentrations of the base/neutral compounds fluoranthene (2,000 ppb) and pyrene (1,000 ppb).

Concentrations of the metals, lead and zinc, were less than those found in creek sediment samples collected during Phase I (see Table 4-10). Concentrations of lead ranged from 9 ppm (SED-4) to 15 ppm (SED-3). Phase I sediment samples contained concentrations of lead as much as 110 ppm. During Phase II, zinc concentrations ranged from 19 ppm (SED-4) to 27 ppm (SED-3). Phase I sediment samples contained concentrations of zinc up to 79 ppm.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

As evidenced during Phase I of C-EE's site assessment, shallow groundwater directly beneath the waste material in the disposal area contains significant concentrations of TCE and DCE. Based on the results of two groundwater sampling episodes, it appears that groundwater directly beneath the adjacent 19-acre parcel has not been impacted by the disposal area. Although lead was found in MW-3 at 50 ppb (equal to the MCL), the source may not be the disposal area. The groundwater sample collected from MW-3 during Phase I had a lead concentration below the detection limit (20 ppb). At the time when Phase II activities were conducted, shallow groundwater flow in the area south of the creek appeared to be generally northward toward the creek. This gradient would tend to impede contaminants found in the disposal area from migrating to the area south of Silver Creek.

Sampling and analysis of wastes from selected charred areas on the former disposal area surface has confirmed the presence of PCBs in these areas. In addition, PCBs (specifically Arochlor-1248) were again found in surface soil samples in the southwest corner of the 19-acre parcel.

Surface soil samples collected in the ditch which bounds the western end of the disposal area did not contain PCBs. Three of the four samples, however, did exhibit detectable concentrations of DCE. In addition, surface soil sample HA-12, collected closest to the creek/ditch intersection did exhibit concentrations of several base/neutral semi-volatile compounds.

Based on the analysis of leachate-saturated sediments, it appears that leachate emanating from the disposal area at this location is inconsequential relative to delivering contaminants to the Silver Creek. Only traces of base/neutral organic compounds were detected in the sample.

Samples of creek sediment collected at three locations exhibited concentrations of base/neutral semi-volatile compounds. The one sediment sample collected downgradient of the disposal area (SED-3) contained more of the base/neutral semi-volatile compounds and at greater concentrations than the two sediment samples collected upgradient of the disposal area. Based on this observation and the chemical data for waste and surface soil samples taken from the former disposal site, the site may be contributing to the elevated concentrations of semi-volatile compounds in the creek sediment.

5.2 RECOMMENDATIONS

Based on the findings of Phases I and II, further investigation of the former disposal area and contiguous areas is recommended.

Limited excavations of Anomaly B, identified during the Phase I magnetometer survey, should be conducted. The purpose of the excavations would be to verify that the observed magnetic readings are in fact a function of metallic debris, and not buried drums.

Although borings completed at the disposal area during Phase I revealed that the waste exists at shallower depths than expected, C-EE recommends additional borings within the disposal area to confirm that deeper pockets of buried wastes do not exist. These borings will also prove helpful in further characterizing the disposal area contents.

Further assessment of groundwater quality near the disposal area is warranted. The presence of TCE and DCE in the groundwater samples collected in MW-1 during Phases I and II indicate the need for additional monitoring points to assess the source and fate of these contaminants.

Phase II sampling activities have confirmed the presence of PCBs in selected charred areas on the disposal area surface. Further investigative work is warranted to determine the extent of PCB contamination in and near the disposal area. In addition, C-EE's investigation has confirmed the presence of PCBs in surface soils in the southwest corner of the 19-acre parcel. This area is also in need of further investigation to estimate the extent of contamination.

The detection of DCE in surface soil samples collected in the ditch that bounds the western end of the landfill warrants further investigation to determine the source of this contaminant and the extent of DCE contamination within the ditch.

Finally, based on the sampling and analysis of creek sediment samples collected during Phases I and II, it appears that creek sediments have been impacted by the disposal area. The presence of semi-volatile base/ neutral compounds in creek sediment samples collected to date will be assessed in conjunction with Hydramatic to determine whether or not further action is required.

APPENDIX A

LABORATORY ANALYTICAL REPORTS

GC/MS VOA SAMPLE DATA

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763117 (E7343)	Date Received:	8/22/89
Sample Identification:	MW-100 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763117 (E7343)	Date Received:	8/22/89
Sample Identification:	MW-100 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763118 (E7349)	Date Received:	8/22/89
Sample Identification:	TRIP BLANK 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	60	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763118 (E7349)	Date Received:	8/22/89
Sample Identification:	TRIP BLANK 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763119 (E7350)	Date Received:	8/22/89
Sample Identification:	MW-5 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763119 (E7350)	Date Received:	8/22/89
Sample Identification:	MW-5 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763120 (E7351)	Date Received:	8/22/89
Sample Identification:	MW-2 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	20	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763120 (E7351)	Date Received:	8/22/89
Sample Identification:	MW-2 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763121 (E7352)	Date Received:	8/22/89
Sample Identification:	MW-3 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	40	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763121 (E7352)	Date Received:	8/22/89
Sample Identification:	MW-3 8-22-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763122 (E7353)	Date Received:	8/22/89
Sample Identification:	MW-4 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	60	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763122 (E7353)	Date Received:	8/22/89
Sample Identification:	MW-4 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763123 (E7354)	Date Received:	8/22/89
Sample Identification:	MW-1 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	20	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	54	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	23	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763123 (E7354)	Date Received:	8/22/89
Sample Identification:	MW-1 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763123D (E7355)	Date Received:	8/22/89
Sample Identification:	MW-1 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	30	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	55	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	22	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Collected:	8/22/89
Lab Number:	763123D (E7355)	Date Received:	8/22/89
Sample Identification:	MW-1 8-22-89	Date Analyzed:	8/31/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763186 (E7339)	Date Received:	8/23/89
Sample Identification:	HA-10 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)	Moisture:	19%

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	70	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloroethene (total)	8	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	20	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763186 (E7339)	Date Received:	8/23/89
Sample Identification:	HA-10 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)	Moisture:	19%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 6 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763187 (E7340)	Date Received:	8/23/89
Sample Identification:	HA-400 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)	Moisture:	18%

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	40	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloroethene (total)	16	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	14	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763187 (E7340)	Date Received:	8/23/89
Sample Identification:	HA-400 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)	Moisture:	18%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 6 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763188 (E7341)	Date Received:	8/23/89
Sample Identification:	HA-11 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)	Moisture:	24%

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	30	10
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<10	10
Chloroform	<7	7
Chloromethane	<10	10
Dibromochloromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
1,1-Dichloroethene	<7	7
1,2-Dichloroethene (total)	13	7
1,2-Dichloropropane	<7	7
cis-1,3-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethyl benzene	<7	7
2-Hexanone	<10	10
Methylene chloride	14	7
4-Methyl-2-pentanone	<10	10
Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<7	7

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763188 (E7341)	Date Received:	8/23/89
Sample Identification:	HA-11 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)	Moisture:	24%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 7 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763189 (E7342)	Date Received:	8/23/89
Sample Identification:	HA-12 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)	Moisture:	18%

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	30	10
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<10	10
Chloroform	<6	6
Chloromethane	<10	10
Dibromochloromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloroethene (total)	<6	6
1,2-Dichloropropane	<6	6
cis-1,3-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethyl benzene	<6	6
2-Hexanone	<10	10
Methylene chloride	9	6
4-Methyl-2-pentanone	<10	10
Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<6	6

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil		
Lab Number:	763189 (E7342)	Date Collected:	8/23/89
Sample Identification:	HA-12 8-23-89	Date Received:	8/23/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)	Date Analyzed:	8/30/89
		Moisture:	18%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 6 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763190 (E7343)	Date Received:	8/23/89
Sample Identification:	LEACHATE 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified)	Moisture:	34%

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	50	20
Benzene	<8	8
Bromodichloromethane	<8	8
Bromoform	<8	8
Bromomethane	<20	20
2-Butanone	<20	20
Carbon disulfide	<8	8
Carbon tetrachloride	<8	8
Chlorobenzene	<8	8
Chloroethane	<20	20
Chloroform	<8	8
Chloromethane	<20	20
Dibromochloromethane	<8	8
1,1-Dichloroethane	<8	8
1,2-Dichloroethane	<8	8
1,1-Dichloroethene	<8	8
1,2-Dichloroethene (total)	<8	8
1,2-Dichloropropane	<8	8
cis-1,3-Dichloropropene	<8	8
trans-1,3-Dichloropropene	<8	8
Ethyl benzene	<8	8
2-Hexanone	<20	20
Methylene chloride	<8	8
4-Methyl-2-pentanone	<20	20
Styrene	<8	8
1,1,2,2-Tetrachloroethane	<8	8
Tetrachloroethene	<8	8
Toluene	<8	8
1,1,1-Trichloroethane	<8	8
1,1,2-Trichloroethane	<8	8
Trichloroethene	<8	8
Vinyl acetate	<20	20
Vinyl chloride	<20	20
Xylenes (total)	<8	8

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763190 (E7343)	Date Received:	8/23/89
Sample Identification:	LEACHATE 8-23-89	Date Analyzed:	8/30/89
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)	Moisture:	34%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 8 ug/kg.

* Results reported on a dry weight basis.

GC/MS BNA SAMPLE DATA

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763186 (F6184)	Date Received:	8/23/89
Sample Identification:	HA-10 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	19%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763186 (F6184)	Date Received:	8/23/89
Sample Identification:	HA-10 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	19%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	<800	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	<800	800
Pyrene	<800	800
1,2,4-Trichlorobenzene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763186 (F6184)	Date Received:	8/23/89
Sample Identification:	HA-10 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/14/89
		Moisture:	19%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	40000
Unknown hydrocarbon	400
Unknown ketone	500
Trimethyl hexane	2000
3-Hexene-2,5-dione	1000
Possible ketone	4000
Possible ketone	2000
Unknown hydrocarbon	800
3-Propoxypropyl benzene	3000
Unknown hydrocarbon	1000
Unknown compound	600
Possible 3,4-dihydro-4-methyl-1(2H)naphthalenone	2000
Unknown compound	600
Unknown compound	900
Unknown compound	1000

Approximate limit of detection: 300 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763187 (F6185)	Date Received:	8/23/89
Sample Identification:	HA-400 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763187 (F6185)	Date Received:	8/23/89
Sample Identification:	HA-400 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	<800	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	<800	800
Pyrene	<800	800
1,2,4-Trichlorobenzene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763187 (F6185)	Date Received:	8/23/89
Sample Identification:	HA-400 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/14/89
		Moisture:	18%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
3,5-Dimethyl heptane	400
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	50000
Unknown hydrocarbon	300
Unknown ketone	600
Trimethyl hexane	700
3-Hexene-2,5-dione	1000
Possible ketone	5000
Possible ketone	400
Possible ketone	1000
Unknown hydrocarbon	700
3-Propoxypropyl benzene	3000
Unknown compound	900
Unknown hydrocarbon	1000
Possible 3,4-dihydro-4-methyl-1(2H)naphthalenone	2000
Unknown compound	400
Unknown compound	900
Unknown compound	1000

Approximate limit of detection: 300 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763188 (F6186)	Date Received:	8/23/89
Sample Identification:	HA-11 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	24%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	<900	900
Benzo(b)fluoranthene	<900	900
Benzo(k)fluoranthene	<900	900
Benzo(a)pyrene	<900	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	<900	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763188 (F6186)	Date Received:	8/23/89
Sample Identification:	HA-11 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	24%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	<900	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	<900	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	<900	900
Pyrene	<900	900
1,2,4-Trichlorobenzene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763188 (F6186)	Date Received:	8/23/89
Sample Identification:	HA-11 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/14/89
		Moisture:	24%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	50000
Unknown ketone	900
Trimethyl hexane	2000
3-Hexene-2,5-dione	1000
Possible ketone	5000
Possible ketone	3000
Possible ketone	400
Unknown compound	600
Unknown hydrocarbon	2000
Unknown hydrocarbon	4000
3-Propoxypropyl benzene	5000
Unknown compound	5000
Unknown hydrocarbon	9000
Possible 3,4-dihydro-4-methyl-1(2H)naphthalenone	3000
Unknown compound	3000
Unknown hydrocarbon	2000
Unknown compound	2000
Unknown compound	3000
Possible phthalate	3000
Unknown compound	6000

Approximate limit of detection: 400 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763189 (F6187)	Date Received:	8/23/89
Sample Identification:	HA-12 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<800	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	1200	800
Benzo(b)fluoranthene	1400	800
Benzo(k)fluoranthene	1700	800
Benzo(a)pyrene	1300	800
Benzo(ghi)perylene	1200	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	1500	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	<800	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	<800	800
2,6-Dinitrotoluene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763189 (F6187)	Date Received:	8/23/89
Sample Identification:	HA-12 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/14/89
		Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	3300	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	1100	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	<800	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	1700	800
Pyrene	2300	800
1,2,4-Trichlorobenzene	<800	800

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763189 (F6187)	Date Received:	8/23/89
Sample Identification:	HA-12 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/14/89
		Moisture:	18%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
3,5-Dimethyl heptane	400
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	40000
Unknown ketone	500
Trimethyl hexane	2000
3-Hexene-2,5-dione	1000
Possible ketone	5000
Possible ketone	2000
Unknown compound	400
9,10-Anthracenedione	400
11H-Benzo[a]fluorene	400
Benzo[ghi]fluoranthene	500
Unknown hydrocarbon	600
Hexadecanal	2000
Unknown hydrocarbon	6000
Benzo[e]pyrene	1000
Unknown compound	1000
Unknown hydrocarbon	1000
Unknown compound	400
Unknown compound	400
Unknown hydrocarbon	400
Unknown compound	600

Approximate limit of detection: 300 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763190 (F6218)	Date Received:	8/23/89
Sample Identification:	LEACHATE 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	34%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<1000	1000
Acenaphthylene	<1000	1000
Anthracene	<1000	1000
Benzo(a)anthracene	<1000	1000
Benzo(b)fluoranthene	<1000	1000
Benzo(k)fluoranthene	1000	1000
Benzo(a)pyrene	<1000	1000
Benzo(ghi)perylene	<1000	1000
Benzyl alcohol	<1000	1000
Benzyl butyl phthalate	<1000	1000
Bis(2-chloroethyl)ether	<1000	1000
Bis(2-chloroethoxy)methane	<1000	1000
Bis(2-chloroisopropyl)ether	<1000	1000
Bis(2-ethylhexyl)phthalate	<1000	1000
4-Bromophenyl phenyl ether	<1000	1000
4-Chloroaniline	<1000	1000
2-Chloronaphthalene	<1000	1000
4-Chlorophenyl phenyl ether	<1000	1000
Chrysene	1000	1000
Dibenzo(a,h)anthracene	<1000	1000
Dibenzofuran	<1000	1000
Di-n-butylphthalate	<1000	1000
1,2-Dichlorobenzene	<1000	1000
1,3-Dichlorobenzene	<1000	1000
1,4-Dichlorobenzene	<1000	1000
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<1000	1000
Dimethyl phthalate	<1000	1000
2,4-Dinitrotoluene	<1000	1000
2,6-Dinitrotoluene	<1000	1000

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763190 (F6218)	Date Received:	8/23/89
Sample Identification:	LEACHATE 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	34%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<1000	1000
Fluoranthene	2000	1000
Fluorene	<1000	1000
Hexachlorobenzene	<1000	1000
Hexachlorobutadiene	<1000	1000
Hexachlorocyclopentadiene	<1000	1000
Hexachloroethane	<1000	1000
Indeno(1,2,3-cd)pyrene	<1000	1000
Isophorone	<1000	1000
2-Methylnaphthalene	<1000	1000
Naphthalene	<1000	1000
2-Nitroaniline	<5000	5000
3-Nitroaniline	<5000	5000
4-Nitroaniline	<5000	5000
Nitrobenzene	<1000	1000
N-Nitrosodi-n-propylamine	<1000	1000
N-Nitrosodiphenylamine	<1000	1000
Phenanthrene	<1000	1000
Pyrene	2000	1000
1,2,4-Trichlorobenzene	<1000	1000

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763190 (F6218)	Date Received:	8/23/89
Sample Identification:	LEACHATE 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/16/89
		Moisture:	34%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	4000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	70000
Unknown ketone	900
Trimethyl hexane	2000
3-Hexene-2,5-dione	1000
Possible ketone	3000
Possible ketone	1000
Possible ketone	2000
Unknown hydrocarbon	900
Unknown hydrocarbon	900
Unknown hydrocarbon	2000
Unknown hydrocarbon	900
Hexadecanal	2000
Unknown hydrocarbon	4000
Benzo[e]pyrene	1000
Octadecenal	2000
Unknown hydrocarbon	4000
Unknown compound	800
Unknown compound	6000
Unknown compound	900
Unknown hydrocarbon	4000
Unknown compound	2000
Unknown compound	8000

Approximate limit of detection: 400 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763192 (F6219)	Date Received:	8/23/89
Sample Identification:	SED-3 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	29%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	1000	900
Benzo(b)fluoranthene	1300	900
Benzo(k)fluoranthene	2000	900
Benzo(a)pyrene	1300	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	1500	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763192 (F6219)	Date Received:	8/23/89
Sample Identification:	SED-3 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	29%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	3400	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	1000	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<5000	5000
3-Nitroaniline	<5000	5000
4-Nitroaniline	<5000	5000
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	1700	900
Pyrene	2800	900
1,2,4-Trichlorobenzene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763192 (F6219)	Date Received:	8/23/89
Sample Identification:	SED-3 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/16/89
		Moisture:	29%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	60000
Unknown ketone	600
Unknown ketone	800
Trimethyl hexane	900
3-Hexene-2,5-dione	1000
Possible ketone	4000
Possible ketone	2000
Unknown plus molecular sulfur	600
11H-Benzo[a]fluorene	1000
Benzo[ghi]fluoranthene	600
Unknown hydrocarbon	600
Unknown hydrocarbon	800
Unknown hydrocarbon	600
Unknown compound	800
Hexadecanal	1000
Unknown compound	600
Unknown hydrocarbon	2000
Benzo[e]pyrene	1000
Octadecanal	1000
Unknown hydrocarbon	1000
Unknown compound	800
Unknown compound	600

Approximate limit of detection: 400 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763193 (F6220)	Date Received:	8/23/89
Sample Identification:	SED-4 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	24%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<900	900
Acenaphthylene	<900	900
Anthracene	<900	900
Benzo(a)anthracene	<900	900
Benzo(b)fluoranthene	<900	900
Benzo(k)fluoranthene	1100	900
Benzo(a)pyrene	<900	900
Benzo(ghi)perylene	<900	900
Benzyl alcohol	<900	900
Benzyl butyl phthalate	<900	900
Bis(2-chloroethyl)ether	<900	900
Bis(2-chloroethoxy)methane	<900	900
Bis(2-chloroisopropyl)ether	<900	900
Bis(2-ethylhexyl)phthalate	<900	900
4-Bromophenyl phenyl ether	<900	900
4-Chloroaniline	<900	900
2-Chloronaphthalene	<900	900
4-Chlorophenyl phenyl ether	<900	900
Chrysene	<900	900
Dibenzo(a,h)anthracene	<900	900
Dibenzofuran	<900	900
Di-n-butylphthalate	<900	900
1,2-Dichlorobenzene	<900	900
1,3-Dichlorobenzene	<900	900
1,4-Dichlorobenzene	<900	900
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<900	900
Dimethyl phthalate	<900	900
2,4-Dinitrotoluene	<900	900
2,6-Dinitrotoluene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763193 (F6220)	Date Received:	8/23/89
Sample Identification:	SED-4 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	24%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<900	900
Fluoranthene	1400	900
Fluorene	<900	900
Hexachlorobenzene	<900	900
Hexachlorobutadiene	<900	900
Hexachlorocyclopentadiene	<900	900
Hexachloroethane	<900	900
Indeno(1,2,3-cd)pyrene	<900	900
Isophorone	<900	900
2-Methylnaphthalene	<900	900
Naphthalene	<900	900
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<900	900
N-Nitrosodi-n-propylamine	<900	900
N-Nitrosodiphenylamine	<900	900
Phenanthrene	<900	900
Pyrene	1100	900
1,2,4-Trichlorobenzene	<900	900

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763193 (F6220)	Date Received:	8/23/89
Sample Identification:	SED-4 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/16/89
		Moisture:	24%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	50000
Unknown ketone	800
Unknown ketone	600
Trimethyl hexane	1000
3-Hexene-2,5-dione	1000
Possible ketone	5000
Possible ketone	400
Possible ketone	1000
11H-Benzo[a]fluorene	600
Unknown hydrocarbon	400
Unknown hydrocarbon	600
Unknown hydrocarbon	400
Hexadecanal	600
Unknown compound	600
Unknown hydrocarbon	1000
Benzo[e]pyrene	700
Octadecanal	500
Unknown hydrocarbon	800
Unknown compound	500
Unknown compound	400
Unknown compound	900
Unknown compound	800

Approximate limit of detection: 400 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763194 (F6221)	Date Received:	8/23/89
Sample Identification:	SED-5 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	30%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<1000	1000
Acenaphthylene	<1000	1000
Anthracene	<1000	1000
Benzo(a)anthracene	<1000	1000
Benzo(b)fluoranthene	<1000	1000
Benzo(k)fluoranthene	<1000	1000
Benzo(a)pyrene	<1000	1000
Benzo(ghi)perylene	<1000	1000
Benzyl alcohol	<1000	1000
Benzyl butyl phthalate	<1000	1000
Bis(2-chloroethyl)ether	<1000	1000
Bis(2-chloroethoxy)methane	<1000	1000
Bis(2-chloroisopropyl)ether	<1000	1000
Bis(2-ethylhexyl)phthalate	<1000	1000
4-Bromophenyl phenyl ether	<1000	1000
4-Chloroaniline	<1000	1000
2-Chloronaphthalene	<1000	1000
4-Chlorophenyl phenyl ether	<1000	1000
Chrysene	<1000	1000
Dibenzo(a,h)anthracene	<1000	1000
Dibenzofuran	<1000	1000
Di-n-butylphthalate	<1000	1000
1,2-Dichlorobenzene	<1000	1000
1,3-Dichlorobenzene	<1000	1000
1,4-Dichlorobenzene	<1000	1000
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<1000	1000
Dimethyl phthalate	<1000	1000
2,4-Dinitrotoluene	<1000	1000
2,6-Dinitrotoluene	<1000	1000

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763194 (F6221)	Date Received:	8/23/89
Sample Identification:	SED-5 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270	Date Analyzed:	9/16/89
		Moisture:	30%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<1000	1000
Fluoranthene	2000	1000
Fluorene	<1000	1000
Hexachlorobenzene	<1000	1000
Hexachlorobutadiene	<1000	1000
Hexachlorocyclopentadiene	<1000	1000
Hexachloroethane	<1000	1000
Indeno(1,2,3-cd)pyrene	<1000	1000
Isophorone	<1000	1000
2-Methylnaphthalene	<1000	1000
Naphthalene	<1000	1000
2-Nitroaniline	<5000	5000
3-Nitroaniline	<5000	5000
4-Nitroaniline	<5000	5000
Nitrobenzene	<1000	1000
N-Nitrosodi-n-propylamine	<1000	1000
N-Nitrosodiphenylamine	<1000	1000
Phenanthrene	<1000	1000
Pyrene	1000	1000
1,2,4-Trichlorobenzene	<1000	1000

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Collected:	8/23/89
Lab Number:	763194 (F6221)	Date Received:	8/23/89
Sample Identification:	SED-5 8-23-89	Date Extracted:	8/31/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Date Analyzed:	9/16/89
		Moisture:	30%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
Unknown ketone	3000
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	50000
Unknown ketone	800
Unknown ketone	700
Trimethyl hexane	900
3-Hexene-2,5-dione	2000
Possible ketone	6000
Possible ketone	800
Possible ketone	2000
Unknown hydrocarbon	900
11H-Benzo[a]fluorene	500
Unknown hydrocarbon	500
Unknown hydrocarbon	1000
Hexadecanal	2000
Unknown hydrocarbon	2000
Benzo[e]pyrene	1000
Unknown hydrocarbon	500
Octadecanal	1000
Unknown hydrocarbon	3000
Unknown hydrocarbon	1000
Unknown hydrocarbon	500
Unknown compound	700
Unknown compound	800

Approximate limit of detection: 400 ug/kg.

* Results reported on a dry weight basis.

PCB SAMPLE DATA

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763125
Sample No: HA-3 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	500	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/08/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 25%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763126
Sample No: HA-4 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	2300	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/08/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 17%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763127
Sample No: HA-5 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	3500	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/09/89

LOD = Limit of Detection

Analytical Method: U.S. EPA Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 24%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763128
Sample No: HA-6 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	12000	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/09/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 27%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763129
Sample No: HA-7 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	500	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/11/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 9%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763130
Sample No: HA-300 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	500	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/08/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 9%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763131
Sample No: HA-8 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	2900	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/08/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 9%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763132
Sample No: HA-9 8-22-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	13000	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/22/98
Date Extracted: 08/31/89
Date of Analysis: 09/11/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 10%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763186
Sample No: HA-10 8-23-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/23/89
Date Extracted: 08/31/89
Date of Analysis: 09/08/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 19%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763187
Sample No: HA-400 8-23-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/23/89
Date Extracted: 08/31/89
Date of Analysis: 09/07/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 18%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763188
Sample No: HA-11 8-23-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/23/89
Date Extracted: 08/31/89
Date of Analysis: 09/11/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 24%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: 763189
Sample No: HA-12 8-23-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Received: 08/23/98
Date Extracted: 08/31/89
Date of Analysis: 09/11/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 18%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL

Project No: 60056-17
Lab No: 763191
Sample No: HA-500 8-23-89
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	<100	100
PCB Aroclor-1221	<100	100
PCB Aroclor-1232	<100	100
PCB Aroclor-1242	<100	100
PCB Aroclor-1248	<100	100
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	56000	200

Date Received: 08/23/89
Date Extracted: 08/31/89
Date of Analysis: 09/11/89

LOD = Limit of Detection

Analytical Method: U.S.EPA, Test Methods for Evaluating Solid Waste; Physical/Chemical Methods, SW - 846, Third Edition Method 8080 (modified).
Results reported on a dry weight basis. Moisture = 2%.

METALS SAMPLE DATA

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 1

Lab Number: 763117
Sample Description: MW-100 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	<0.05	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.03	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	<0.05	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 2

Lab Number: 763119
Sample Description: MW-5 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	0.008	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.23	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.17	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	0.24	0.05	EPA 3010	EPA 7950	9-11-89

C[illegible]TOL[illegible]NVI[illegible]MEN[illegible]. C[illegible]JLT[illegible]S, [illegible].

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 3

Lab Number: 763120
Sample Description: MW-2 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	0.006	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.18	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.01	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	0.08	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 4

Lab Number: 763121
Sample Description: MW-3 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.10	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	0.05	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.72	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	0.59	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 5

Lab Number: 763122
Sample Description: MW-4 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	0.028	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.17	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.94	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	0.62	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 6

Lab Number: 763123
Sample Description: MW-1 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.13	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.50	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	0.42	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 7

Lab Number: 763123 (duplicate)
Sample Description: MW-1 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.13	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury *	--	--	--	--	--
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.49	0.05	EPA 3010	EPA 7210	9-11-89
Zinc	0.39	0.05	EPA 3010	EPA 7950	9-11-89

* Insuffient sample was provided for duplicate mercury analysis. As discussed on August 29, Sample "Leachate 8-23-89" (Lab #763190) was prepared in duplicate for mercury.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 8

Lab Number: 763124
Sample Description: MW-200 8-22-89
Matrix: Water
Date Prepared: 8-31-89/Mercury 9-11-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	0.12	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	0.07	0.05	EPA 3010	EPA 7210	9-11-89
Zinc	0.14	0.05	EPA 3010	EPA 7950	9-11-89

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 9

Lab Number: 763186
Sample Description: HA-10 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mecury 9-11-89
Percent Moisture: 19*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	2.0	1.0	EPA 3050	EPA 7060	9-14-89
Barium	28	5	EPA 3050	EPA 7080	9-13-89
Cadmium	<0.2	0.2	EPA 3050	EPA 7130	9-12-89
Chromium	5	2	EPA 3050	EPA 7190	9-13-89
Lead	6	2	EPA 3050	EPA 7420	9-12-89
Mercury	<0.06	0.06	EPA 7471	EPA 7471	9-11-89
Selenium	<1.0	1.0	EPA 3050	EPA 7740	9-13-89
Silver	<0.5	0.5	EPA 3050	EPA 7760	9-12-89
Copper	6.7	1.0	EPA 3050	EPA 7210	9-11-89
Zinc	29	5	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 10

Lab Number: 763187
Sample Description: HA-400 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 18*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	2.4	1.0	EPA 3050	EPA 7060	9-14-89
Barium	24	5	EPA 3050	EPA 7080	9-13-89
Cadmium	0.5	0.2	EPA 3050	EPA 7130	9-12-89
Chromium	5	2	EPA 3050	EPA 7190	9-13-89
Lead	5	2	EPA 3050	EPA 7420	9-12-89
Mercury	<0.06	0.06	EPA 7471	EPA 7471	9-11-89
Selenium	<1.0	1.0	EPA 3050	EPA 7740	9-13-89
Silver	<0.5	0.5	EPA 3050	EPA 7760	9-12-89
Copper	5.4	1.0	EPA 3050	EPA 7210	9-11-89
Zinc	24	5	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 11

Lab Number: 763188
Sample Description: HA-11 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 24*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	2.7	1.1	EPA 3050	EPA 7060	9-14-89
Barium	26	5	EPA 3050	EPA 7080	9-13-89
Cadmium	<0.2	0.2	EPA 3050	EPA 7130	9-12-89
Chromium	5	2	EPA 3050	EPA 7190	9-13-89
Lead	6	2	EPA 3050	EPA 7420	9-12-89
Mercury	<0.07	0.07	EPA 7471	EPA 7471	9-11-89
Selenium	<1.1	1.1	EPA 3050	EPA 7740	9-13-89
Silver	<0.5	0.5	EPA 3050	EPA 7760	9-12-89
Copper	9.3	1.1	EPA 3050	EPA 7210	9-11-89
Zinc	59	5	EPA 3050	EPA 7950	9-11-89

* Results are based on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 12

Lab Number: 763189
Sample Description: HA-12 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 18*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	1.0	1.0	EPA 3050	EPA 7060	9-14-89
Barium	11	5	EPA 3050	EPA 7080	9-13-89
Cadmium	0.3	0.2	EPA 3050	EPA 7130	9-12-89
Chromium	2	2	EPA 3050	EPA 7190	9-13-89
Lead	21	2	EPA 3050	EPA 7420	9-12-89
Mercury	0.08	0.06	EPA 7471	EPA 7471	9-11-89
Selenium	<1.0	1.0	EPA 3050	EPA 7740	9-13-89
Silver	<0.5	0.5	EPA 3050	EPA 7760	9-12-89
Copper	4.0	1.0	EPA 3050	EPA 7210	9-11-89
Zinc	28	5	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 13

Lab Number: 763190
Sample Description: LEACHATE 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 34*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	1.5	1.3	EPA 3050	EPA 7060	9-14-89
Barium	17	6	EPA 3050	EPA 7080	9-13-89
Cadmium	<0.3	0.3	EPA 3050	EPA 7130	9-12-89
Chromium	<3	3	EPA 3050	EPA 7190	9-13-89
Lead	11	3	EPA 3050	EPA 7420	9-12-89
Mercury	<0.06	0.06	EPA 7471	EPA 7471	9-11-89
Selenium	<1.3	1.3	EPA 3050	EPA 7740	9-13-89
Silver	<0.6	0.6	EPA 3050	EPA 7760	9-12-89
Copper	3.7	1.3	EPA 3050	EPA 7210	9-11-89
Zinc	23	6	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 14

Lab Number: 763190 Duplicate
Sample Description: LEACHATE 8-23-89
Matrix: Soil
Date Prepared: 9-11-89
Percent Moisture: 34*

Analyte	(ug/g)	Limit of Detection (ug/g)	Analytical Method	Preparation Method	Date Analyzed
Mercury	<0.06	0.06	EPA 7471	EPA 7471	9-11-89

* Results are reported on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 15

Lab Number: 763192
Sample Description: SED-3 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 29*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Lead	15	2	EPA 3050	EPA 7420	9-12-89
Zinc	27	6	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 16

Lab Number: 763193
Sample Description: SED-4 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 24*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Lead	9	2	EPA 3050	EPA 7420	9-12-89
Zinc	19	5	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 17

Lab Number: 763194
Sample Description: SED-5 8-23-89
Matrix: Soil
Date Prepared: 8-30-89/Mercury 9-11-89
Percent Moisture: 30*

Analyte	(ug/g)	Limit of Detection (ug/g)	Preparation Method	Analytical Method	Date Analyzed
Lead	11	2	EPA 3050	EPA 7420	9-12-89
Zinc	20	6	EPA 3050	EPA 7950	9-11-89

* Results are reported on a dry weight basis.

APPENDIX B

LABORATORY ANALYSIS QUALITY CONTROL DOCUMENTS
(Bound Separately)

APPENDIX C

FIELD SAMPLING DATA SHEETS

E.C. JORDAN CO.

PAGE 1 OF 7

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM - Hydra-matic, Toledo JOB NO 5859-01

STATION NO/LOCATION MW-100 (Sampler Blank) DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA

TIME: START — AIR TEMP 85° F

END 0915 WEATHER overcast

WATER DEPTH — ☐ TOP WELL ☐ TOP CASING WELL DEPTH — WELL DIAM. — WELL MATERIAL —

WELL STICK-UP — WELL/CASING — EQUIPMENT USED: stainless steel bailer

— FT. WATER X .163 (2" / 4" / 6") X 3 CASING VOLUME= — VOL. PURGE —

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ GAL	@ GAL	@ GAL	@ GAL
TEMP °C	TEMP °C	TEMP °C	TEMP °C
SP. COND @25°C	SP. COND @25°C	SP. COND @25°C	SP. COND @25°C
pH	pH	pH	pH
Eh	Eh	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-100	2-40ml	GLASS	NO		HSL volatiles
MW-100	1-500ml	PLASTIC	YES	HNO3 2ml.	Dissolved Metals

REMARKS/OBSERVATIONS Sampler blank collected before groundwater sampling of on-site wells.

SAMPLER N. Dittow / D. Belan

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT 6M - Hydra-matic, Toledo JOB NO 5852-01

STATION NO/LOCATION MW - 5 DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA

6.35 + .98 =

TIME: START 0940 AIR TEMP 85 °F

END 0950 WEATHER overcast

WATER DEPTH 7.33 ☐ TOP WELL ☒ TOP CASING WELL DEPTH 10' WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP — WELL/CASING — EQUIPMENT USED stainless steel bailer

2.67 FT. WATER x .163 (2" / 4" / 6") x 3 CASING VOLUME = 1.3 VOL. PURGE 1.5 gallons

FIELD DATA COLLECTION ☐ IN SITU ☒ IN BOTTLE

VOA LEVEL (PPM) AMBIENT

SAMPLE LOCATION

HEADSPACE

SAMPLE PURGE DATA

@ 1 GAL	@ 1.5 GAL	@ GAL	@ GAL
TEMP 18.7 °C	TEMP 18.4 °C	TEMP °C	TEMP °C
SP. COND 680 @25°C	SP. COND 687 @25°C	SP. COND @25°C	SP. COND @25°C
pH 6.84	pH 6.44	pH	pH
Eh —	Eh —	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW - 5	2-40ml	GLASS	NO		HSL volatiles
MW - 5	1-500ml	PLASTIC	YES	HNO_3 2ml	Dissolved Metals

REMARKS/OBSERVATIONS Water slightly turbid.

SAMPLER N. Nittmann / D. Belan

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM-Hydra-matic, Toledo JOB NO 5859-01

STATION NO/LOCATION MW-2 DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA

TIME: START 1000 AIR TEMP 85° F

END 1015 WEATHER overcast

6.96 + .98 =

WATER DEPTH 7.94 ☐ TOP WELL ☒ TOP CASING WELL DEPTH 8.5' WELL MATERIAL PVC

WELL DIAM. 2"

WELL STICK-UP — WELL/CASING — EQUIPMENT USED: stainless steel bailer

0.56 FT. WATER X .163 (2" / 4" / 6") X 3 CASING VOLUME = 0.2 VOL. PURGE 1 gallon

FIELD DATA COLLECTION ☐ IN SITU ☒ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 0.5 GAL	@ 1 GAL	@ GAL	@ GAL
TEMP 18.0 °C	TEMP 18.8 °C	TEMP °C	TEMP °C
SP. COND 559 @25°C	SP. COND 500 @25°C	SP. COND @25°C	SP. COND @25°C
pH 6.35	pH 6.41	pH	pH
Eh —	Eh —	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-2	2-40ml	GLASS	NO		HSL volatiles
MW-2	1-500ml	PLASTIC	YES	HNO3 2ml	Dissolved Metals.

REMARKS/OBSERVATIONS Water turbid.

SAMPLER D. Wittman / D. Belair

EC JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hydra-matic, Toledo JOB NO 5859-01

STATION NO/LOCATION MW-3 DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA

TIME: START 1030 AIR TEMP 85°F

END 1045 WEATHER overcast, sprinkling

6.58 + .98 =

WATER DEPTH 7.56 ☐ TOP WELL ☒ TOP CASING WELL DEPTH 8.5' WELL MATERIAL PVC

WELL DIAM. 2"

WELL STICK-UP — WELL/CASING — EQUIPMENT USED: stainless steel bailer

0.94 FT. WATER X .163 {2" / 4" / 6"} X 3 CASING VOLUME = 0.5 VOL. PURGE 1 gallon

FIELD DATA COLLECTION ☐ IN SITU ☒ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 0.5 GAL	@ 1 GAL	@ GAL	@ GAL
TEMP 18.8 °C	TEMP 18.6 °C	TEMP °C	TEMP °C
SP. COND 455 @25°C	SP. COND 470 @25°C	SP. COND @25°C	SP. COND @25°C
pH 6.36	pH 6.38	pH	pH
Eh —	Eh —	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-3	2-40ml	GLASS	NO		HSL volatiles
MW-3	1-500ml	PLASTIC	YES	HNO3 2ml	Dissolved Metals

REMARKS/OBSERVATIONS Water very turbid.

SAMPLER A. Dittman / D. Belen

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hydra-matic, Toledo JOB NO 5459-01

STATION NO/LOCATION MW-4 DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA

TIME: START 1110 AIR TEMP 85°F

END 1115 WEATHER overcast

7.14+.98=

WATER DEPTH 8.12 ☐ TOP WELL ☒ TOP CASING WELL DEPTH 8.5 WELL DIAM. 2" WELL MATERIAL PVC

WELL STICK-UP — WELL/CASING — EQUIPMENT USED stainless steel bailer

0.38 FT. WATER X .163 (2" / 4" / 6") X 3 CASING VOLUME = 0.19 VOL. PURGE 1 gallon

FIELD DATA COLLECTION ☐ IN SITU ☒ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ 0.5 GAL	@ 1 GAL	@ GAL	@ GAL
TEMP 20 °C	TEMP 19.6 °C	TEMP °C	TEMP °C
SP. COND 918 @25°C	SP. COND 935 @25°C	SP. COND @25°C	SP. COND @25°C
pH 6.01	pH 6.02	pH	pH
Eh —	Eh —	Eh	Eh

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-4	2-40ml	GLASS	NO		HSL vols
MW-4	1-500ml	PLASTIC	YES	HNO_3 2ml	Dissolved Metals

REMARKS/OBSERVATIONS Water very turbid, bailed dry after 1 gallon

SAMPLER D. Dittman / D. Belan

EC JORDAN CO

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hydra-matic, Toledo JOB NO 5858-01

STATION NO/LOCATION MW-1 DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA TIME: START 1145 AIR TEMP 80°F
END 1200 WEATHER overcast

10.48+.98=
WATER DEPTH 11.46 ☐ TOP WELL ☒ TOP CASING WELL DEPTH 15' WELL MATERIAL PVC
WELL DIAM. 2"

WELL STICK-UP — WELL/CASING — EQUIPMENT USED stainless steel bailer

3.54 FT. WATER X .163 {2" / 4" / 6"} X 3 CASING VOLUME = 1.7 VOL. PURGE 2 gallons

FIELD DATA COLLECTION ☐ IN SITU ☒ IN BOTTLE

VOA LEVEL (PPM) AMBIENT —
SAMPLE LOCATION —
HEADSPACE —

SAMPLE PURGE DATA

@ 0.5 GAL	@ 1 GAL	@ 1.5 GAL	@ 2 GAL
TEMP 17.1 °C	TEMP 17.4 °C	TEMP 17.9 °C	TEMP 18.0 °C
SP. COND 1186 @25°C	SP. COND 1150 @25°C	SP. COND 1278 @25°C	SP. COND 1137 @25°C
pH 6.44	pH 6.52	pH 6.58	pH 6.56
Eh —	Eh —	Eh —	Eh —

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-1	2-40ml	GLASS	NO	/	HSL volatiles
MW-1	1-500ml	PLASTIC	YES	/	Dissolved Metals
				/	
				/	
				/	
				/	
				/	
				/	
				/	
				/	

REMARKS/OBSERVATIONS Water fairly clear.

SAMPLER D. Sutton / D. Belan

E.C. JORDAN CO.

GROUNDWATER FIELD SAMPLE DATA RECORD

PROJECT GM Hydra-matic, Toledo. JOB NO 5859-01

STATION NO/LOCATION MW-200 (Dup. of MW-1) DATE 8-22-89

SKETCH ON BACK YES ☐ NO ☒ PHOTOGRAPHS YES ☐ NO ☒ ROLL NO/EXPOSURE NO —

FIELD DATA TIME: START — AIR TEMP 80°F

END 1200 WEATHER overcast

WATER DEPTH — ☐ TOP WELL ☐ TOP CASING WELL DEPTH — WELL DIAM. — WELL MATERIAL —

WELL STICK-UP — WELL/CASING — EQUIPMENT USED: stainless steel bailer

— FT. WATER X .163 (2" / 4" / 6") X 3 CASING VOLUME= — VOL. PURGE —

FIELD DATA COLLECTION ☐ IN SITU ☐ IN BOTTLE VOA LEVEL(PPM) AMBIENT —

SAMPLE LOCATION —

HEADSPACE —

SAMPLE PURGE DATA

@ — GAL	@ — GAL	@ — GAL	@ — GAL
TEMP — °C	TEMP — °C	TEMP — °C	TEMP — °C
SP. COND — @25°C	SP. COND — @25°C	SP. COND — @25°C	SP. COND — @25°C
pH —	pH —	pH —	pH —
Eh —	Eh —	Eh —	Eh —

BOTTLE ID	VOL	MATERIAL	FILTERED	PRES./VOL.	ANALYSIS REQUESTED
MW-200	2-40ml	GLASS	NO		HSL Volatiles
MW-200	1-500ml	PLASTIC	YES	HNO_3 2ml	Dissolved Metals

REMARKS/OBSERVATIONS Duplicate of MW-1

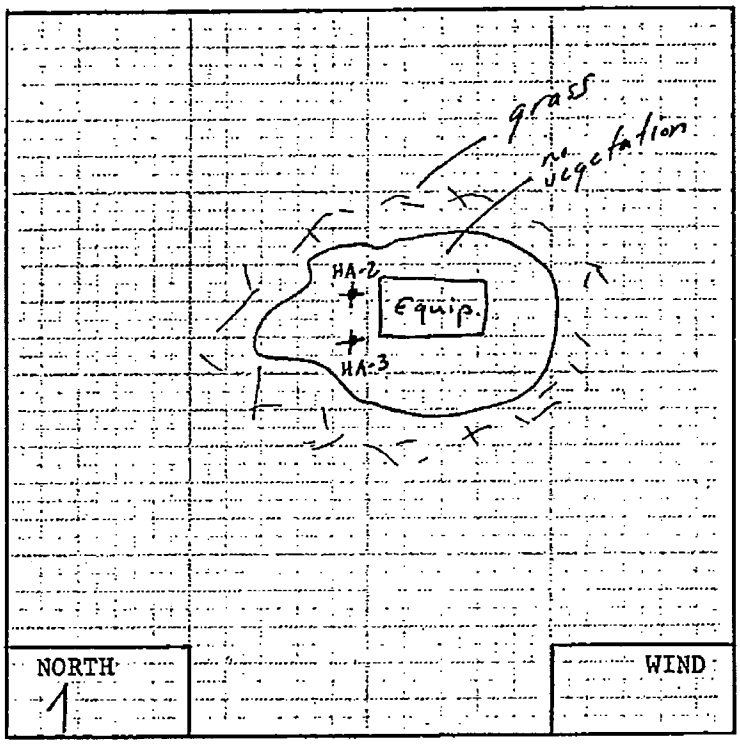
SAMPLER D. Sutton / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GM-H90- Toledo DATE 8-22-89

SAMPLE TYPE Waste SAMPLE DESIGNATION HA-3 SAMPLE TIME 1220



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. DiHmar

D. Belan

EQUIPMENT USED Hand-auger

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE : USE DIMENSIONS

SAMPLE DESCRIPTION Composite from 0-1 ft. Black/rusty colored material, some fine gravel and metal shards.

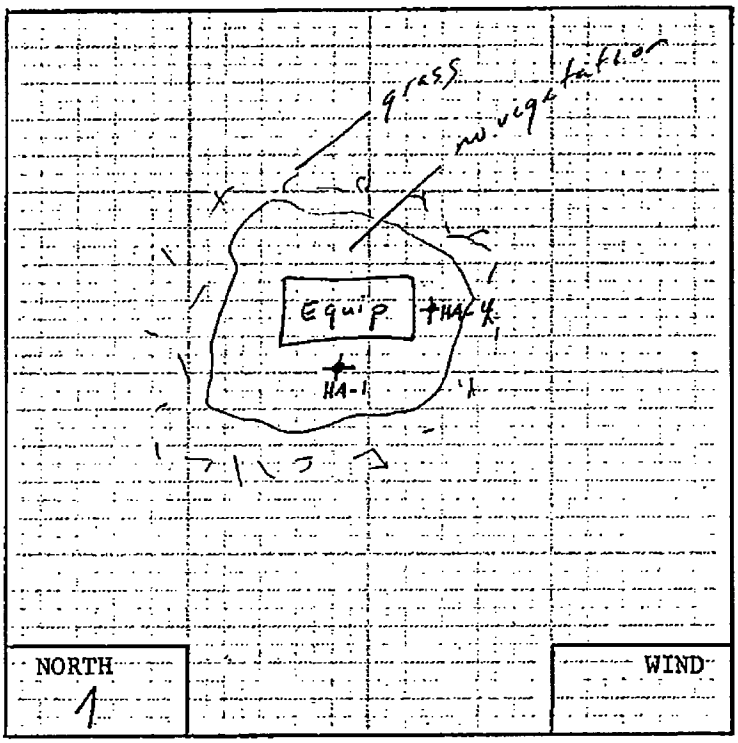
SAMPLED BY D. Dittmar / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GM-HYD - Toledo DATE 8-22-89

SAMPLE TYPE Waste SAMPLE DESIGNATION HA-4 SAMPLE TIME 1230



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittmar

D. Belan

EQUIPMENT USED Hand-auger

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE ; USE DIMENSIONS

SAMPLE DESCRIPTION Composite from 0-1 ft. Black/brown sandy material. Some metal shards and some white powdery material.

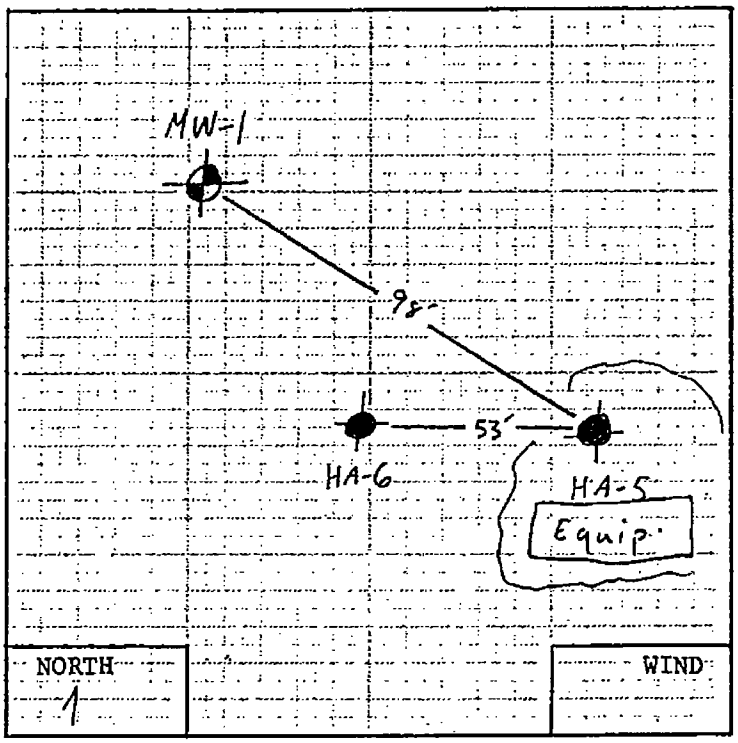
SAMPLED BY D. Dittmar / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GM-NYO- Toledo DATE 8-22-89

SAMPLE TYPE Waste SAMPLE DESIGNATION HA-5 SAMPLE TIME 1245



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittman

D. Belan

EQUIPMENT USED Hand-auger

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE ; USE DIMENSIONS

SAMPLE DESCRIPTION Composite from 0-1 ft. Black/rust colored gravelly material. Material also is oily.

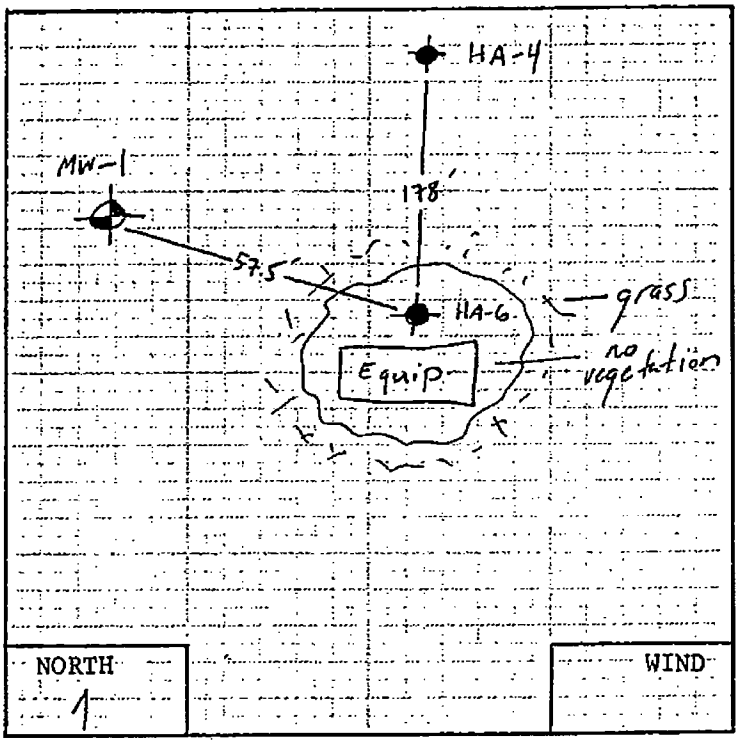
SAMPLED BY D. Dittman / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GH-HMD-Toledo DATE 8-22-89

SAMPLE TYPE Waste SAMPLE DESIGNATION HA-6 SAMPLE TIME 1300



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittmar

D. Belan

EQUIPMENT USED Hand-auger

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE ; USE DIMENSIONS

SAMPLE DESCRIPTION Composite from 0-1 ft. Black/rust colored gravelly material.

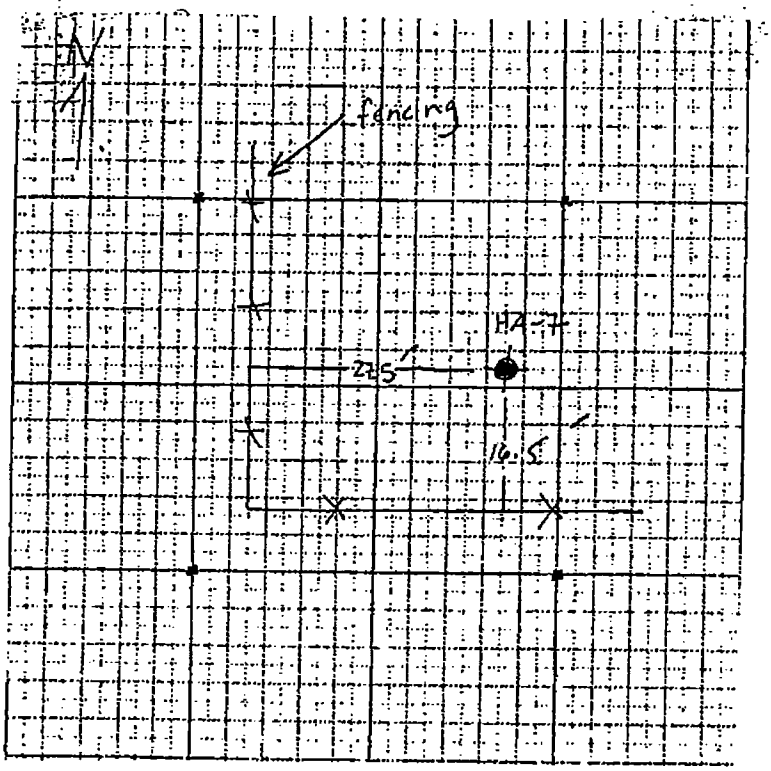
SAMPLED BY D. Dittmar / D. Belan

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GM-HPO - Toledo

Date 8-22-89 Time Start — Time Finish 1310



SKETCH MAP OF SAMPLE SITE

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm
HNU Bulb:	10.2	11.7

Protection Level: B C (D)

Sampling Crew

1. D. DiHwar
2. D. Belan
3.

Sample Designations(s)

HA-7

HA-300 (Duplicate of HA-7)

FIELD PARAMETERS

pH ✓ cond ✓ temp ✓

Notes: Brown clayey sands w/ trace of fine gravel. (Composite from 0-1 ft.)

N. Nittrouer / D. Belan
(signed)

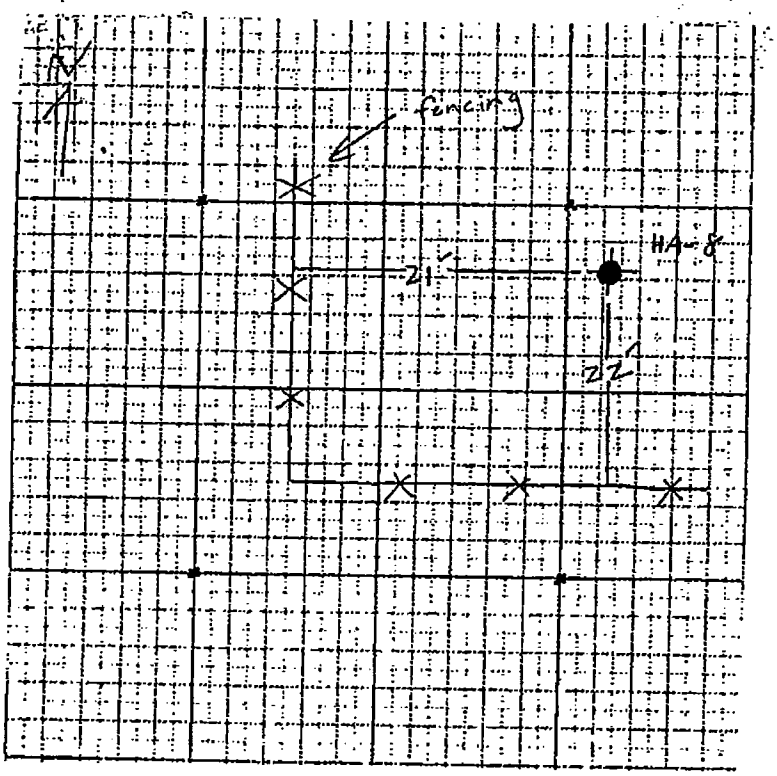
Reference:

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GM-HYD - Toledo

Date 8-22-89 Time Start — Time Finish 1315



SKETCH MAP OF SAMPLE SITE

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm
HNU Bulb:	10.2	11.7

Protection Level: B C (D)

Sampling Crew

1. D. Dittman
2. D. Belan
3.

Sample Designations(s)

HA-8

FIELD PARAMETERS

pH ____ cond ____ temp ____

Notes: Composite from 0-1 ft. Brown clayey sands w/ trace of fine gravel.

D. Dittman / D. Belan
(signed)

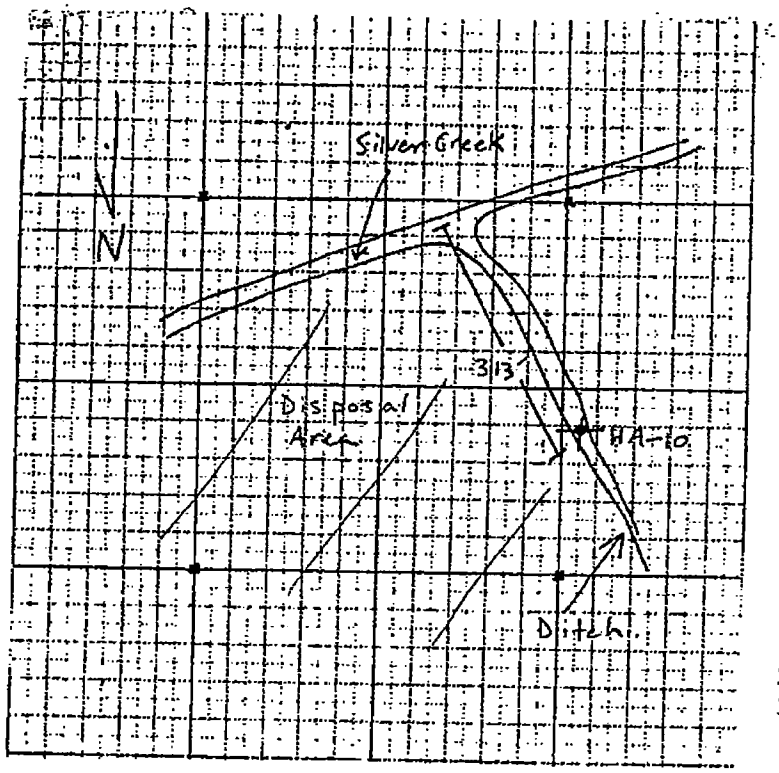
Reference:

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GM-HYO- Toledo

Date 8-23-89 Time Start — Time Finish 0920



SKETCH MAP OF SAMPLE SITE

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm

HNU Bulb: 10.2 11.7

Protection Level: B C (D)

Sampling Crew

1. D. Dittmer
2. D. Belan
3.

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Designations(s)

HA-10

HA-400 (Duplicate of HA-10)

FIELD PARAMETERS

pH ~~/~~ cond ~~/~~ temp ~~/~~

Notes: Black, clayey, sandy soil. (Composite from 0-1 ft.)

N. Witham / D. Belan
(signed)

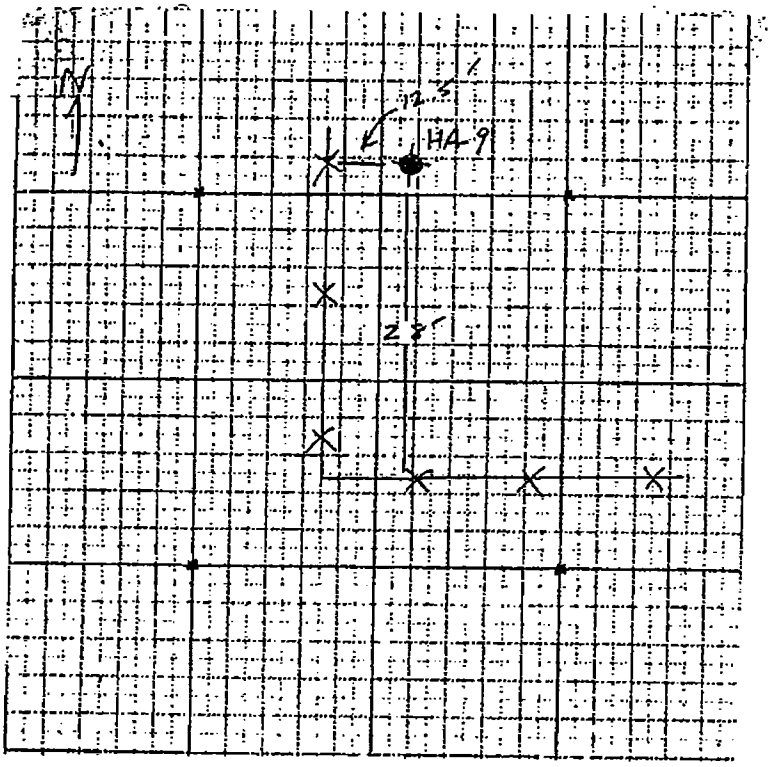
Reference:

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GM-Hyd-Toledo

Date 8-22-89 Time Start — Time Finish 1320



SKETCH MAP OF SAMPLE SITE

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm

HNU Bulb: 10.2 11.7

Protection Level: B C (D)

Sampling Crew

1. D. Belan
2. D. DiHmar
3.

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Designations(s)

HA-9

FIELD PARAMETERS

pH ~~—~~ cond ~~—~~ temp ~~—~~

Notes: Composite from 0-1 ft. Brown clayey sands w/ trace of fine gravel.

D. Dittman / D. Belan
(signed)

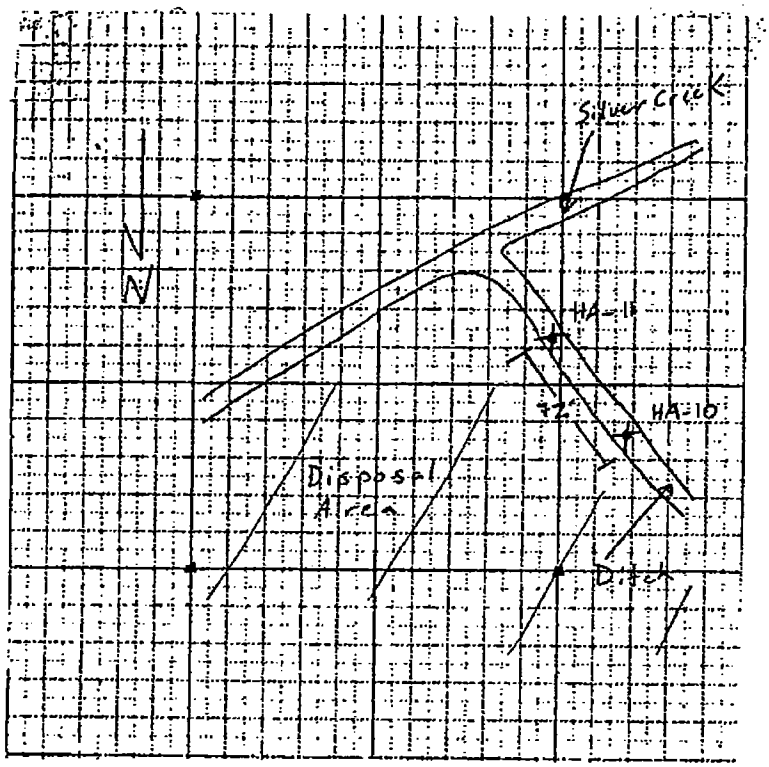
Reference:

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GM-HYD-Toledo

Date 8-23-89 Time Start — Time Finish 0935



SKETCH MAP OF SAMPLE SITE

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm

HNU Bulb: 10.2 11.7

Protection Level: B C (D)

Sampling Crew

1. D. Dithmer
2. D. Belan
3.

Sample Designations(s)

HA-11

FIELD PARAMETERS

pH — cond — temp —

Notes: Composite from 0-1 ft. Black topsoil (0-6"). 6"-1 ft. brown sandy clay. Sample collected adj. to a partially buried 30 gl. drum.

D. Dithmer / D. Belan
(signed)

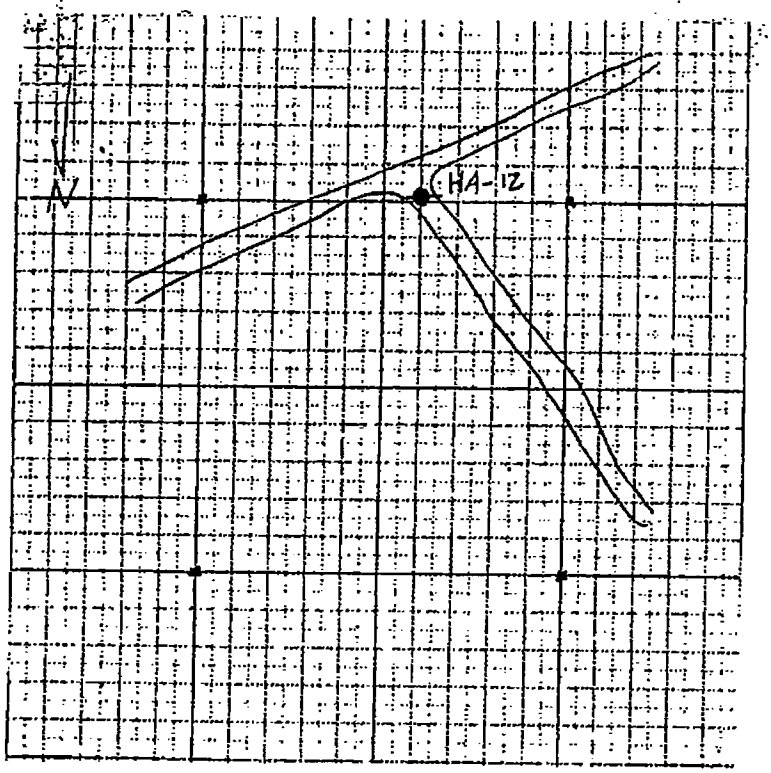
Reference:

E.C. JORDAN CO.

SOIL SAMPLING DATA

Project No. 5859-01 Site No. GH-HYD-TANK 10

Date 8-23-89 Time Start — Time Finish 0930



SKETCH MAP OF SAMPLE SITE

Indicate grid point designations @ X: Indicate sample component locations (X) Sketch pertinent features

Sample Component Monitoring

	Surface	Hole
1.	ppm	ppm
2.	ppm	ppm
3.	ppm	ppm
4.	ppm	ppm
5.	ppm	ppm
6.	ppm	ppm
HNU Bulb:	10.2	11.7

Protection Level: B C (D)

Sampling Crew

1. D. Dittman
2. D. Belan
3.

Sample Designations(s)

HA-12

FIELD PARAMETERS

pH — cond — temp —

Notes: Composite from 0-1 ft. Brown sandy soil w/ detritus.

D. Dittman / D. Belan
(signed)

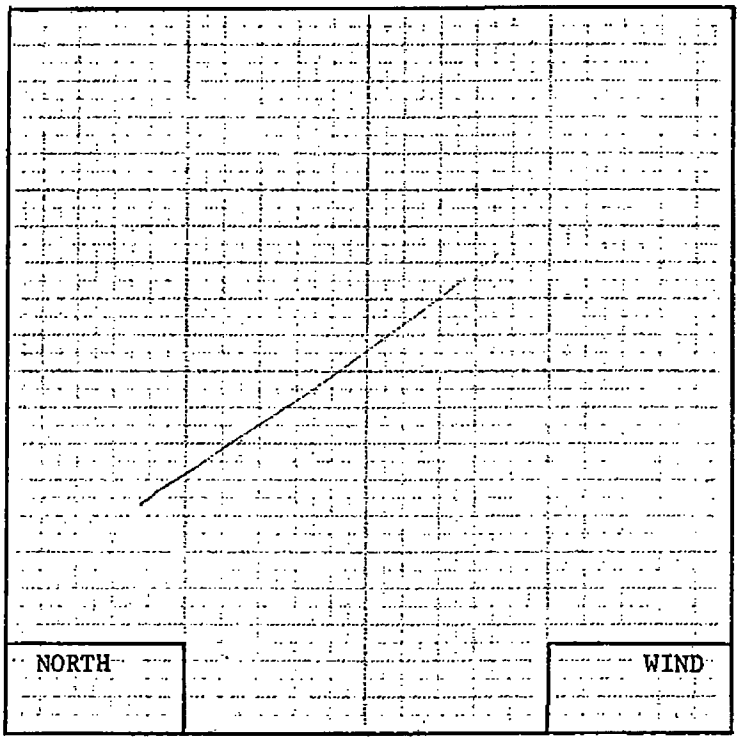
Reference:

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GM-HYD - Toledo DATE 8-23-89

SAMPLE TYPE Blind PCB sample SAMPLE DESIGNATION HA-500 SAMPLE TIME 1015



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW _____

EQUIPMENT USED _____

☐ SKETCH TO SCALE @ 1"= _____

☐ NO SCALE ; USE DIMENSIONS

SAMPLE DESCRIPTION Sample was prepared by one of GM-Hydra-matics contract laboratory to be submitted w/ C-EE's collected sample lot (QA/QC sample)

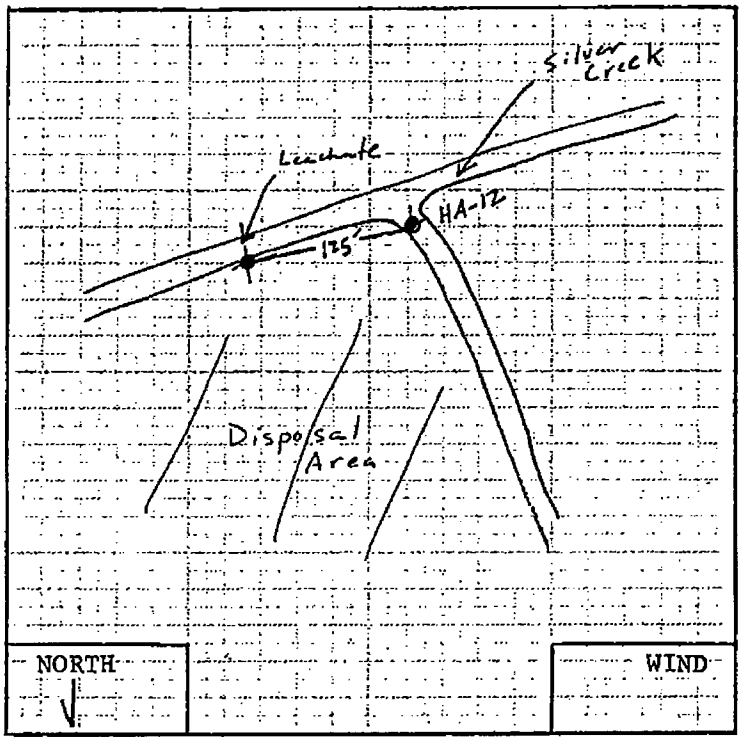
SAMPLED BY _____

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GH-Hyo- Toledo DATE 8-23-89

SAMPLE TYPE Leachate (sediment) SAMPLE DESIGNATION Leachate SAMPLE TIME 1015



LOCATION SKETCH

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE : USE DIMENSIONS

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittmar
D. Belan

EQUIPMENT USED stainless-steel spoon.

SAMPLE DESCRIPTION collected sediment that was obviously affected by leachate seep. Sediment had a sheen on top. Also a small trickle of leachate (liquid) could be seen emanating from this location.

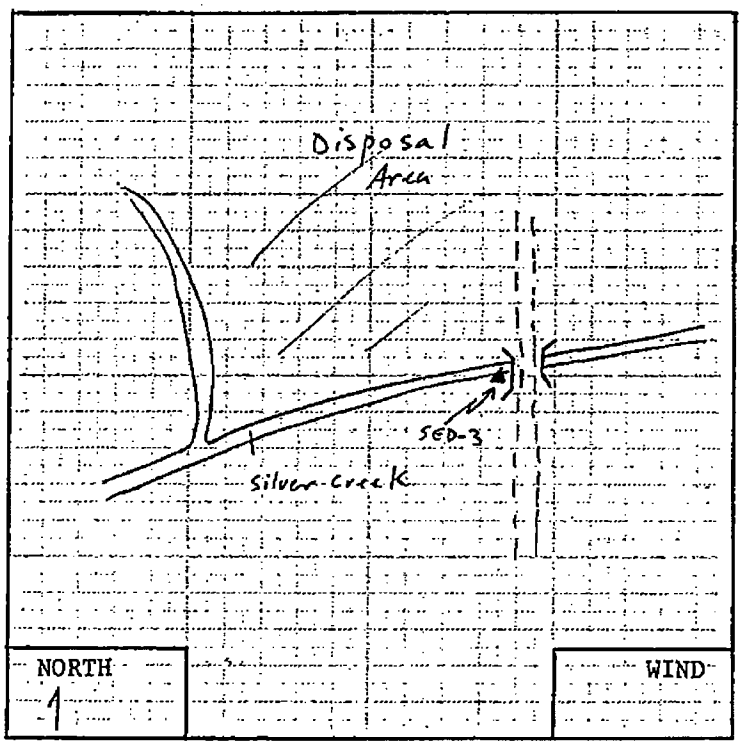
SAMPLED BY D. Dittmar / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME OH-HYD-Toledo DATE 8-23-89

SAMPLE TYPE Creek Sediment SAMPLE DESIGNATION SED-3 SAMPLE TIME 1040



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittmer
D. Belan

EQUIPMENT USED stainless steel spoon

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE ; USE DIMENSIONS

SAMPLE DESCRIPTION Collected creek sediment (0-3") @ water/bank interface. Black silty sediment w/ a slight sheen.

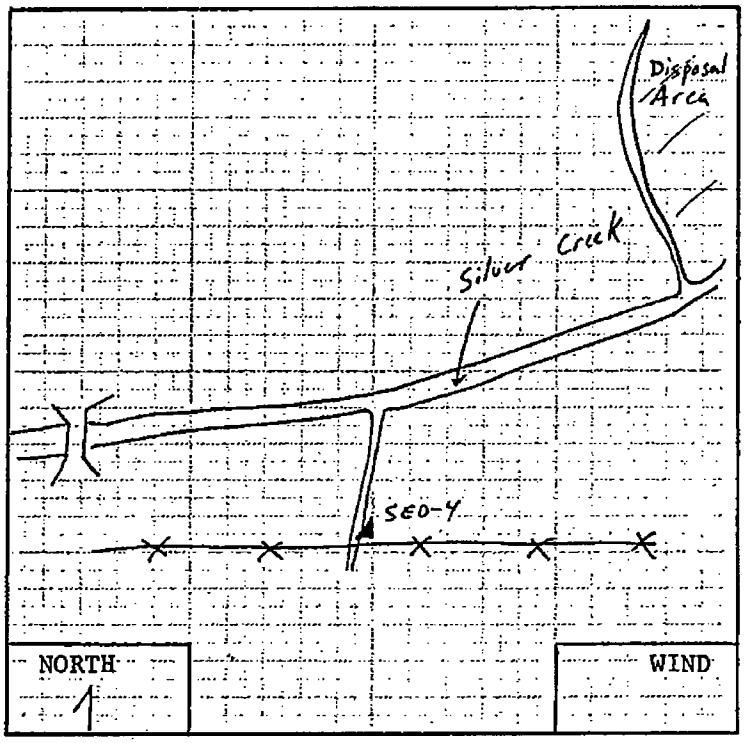
SAMPLED BY D. Dittmer / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5859-01 PROJECT NAME GM-HMD-Toledo DATE 8-23-89

SAMPLE TYPE Creek Sediment SAMPLE DESIGNATION SED-4 SAMPLE TIME 1050



LOCATION SKETCH

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dittman

D. Belan

EQUIPMENT USED stainless steel spoon

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE : USE DIMENSIONS

SAMPLE DESCRIPTION Collected sediment in ditch (0-3") @ the water/bank interface. Black/brown silty sediment. Significant amt. of algae on surface.

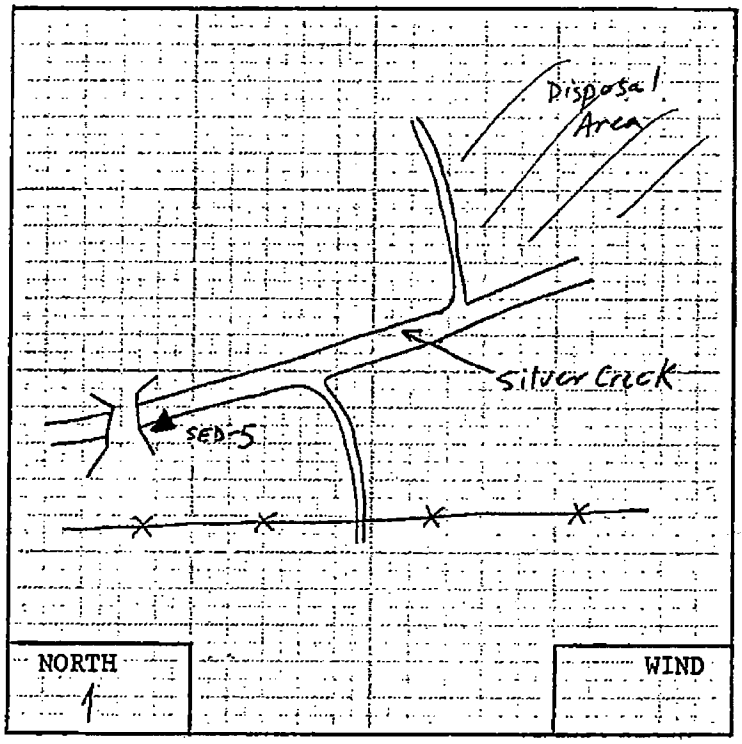
SAMPLED BY D. Dittman / D. Belan

E.C. JORDAN CO.

GRAB SAMPLE DATA SHEET

PROJECT NO. 5459-01 PROJECT NAME OH-Hyd-Toledo DATE 8-23-89

SAMPLE TYPE Creek Sediment SAMPLE DESIGNATION SED-5 SAMPLE TIME 1100



LOCATION SKETCH

☐ SKETCH TO SCALE @ 1"= _____

☒ NO SCALE : USE DIMENSIONS

PID METER USED _____

AMBIENT _____ ppm

SAMPLE _____ ppm

HEADSPACE _____ ppm

SAMPLING CREW D. Dithman

D. Belan

EQUIPMENT USED Stainless steel spoon

SAMPLE DESCRIPTION Collected sediment from creek (0-3") @ the water/bank interface. Black/brown silty sediment.

SAMPLED BY D. Dithman / D. Belan

C-E ENVIRONMENTAL, INC.

SITE ASSESSMENT - PHASE II
FORMER DISPOSAL AREA
DRAFT REPORT

HYDRA-MATIC PLANT
TOLEDO, OHIO

APPENDIX B

Prepared for:

HYDRA-MATIC DIVISION OF
GENERAL MOTORS CORPORATION
TOLEDO, OHIO

OCTOBER, 1989

COMBUSTION ENGINEERING

QC DATA PACKAGE

GC/MS VOA BLANKS

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	9/05/89
Lab Number:	------ (E7383)	Date Analyzed:	9/05/89
Sample Identification:	LAB BLANK (L/W)		
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	9/05/89
Lab Number:	------ (E7383)	Date Analyzed:	9/05/89
Sample Identification:	LAB BLANK (L/W)		
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	8/23/89
Lab Number:	------ (E7347)	Date Analyzed:	8/30/89
Sample Identification:	LAB BLANK (L/W)		
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	CONCENTRATION (ug/L)	Limit of Detection (ug/L)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	8/23/89
Lab Number:	------ (E7347)	Date Analyzed:	8/30/89
Sample Identification:	LAB BLANK (L/W)		
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/L)
No compounds detected	----

Approximate limit of detection: 5 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/23/89
Lab Number:	------ (E7338)	Date Analyzed:	8/30/89
Sample Identification:	LAB BLANK (L/S)	Moisture:	0%
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acetone	<10	10
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/23/89
Lab Number:	------ (E7338)	Date Analyzed:	8/30/89
Sample Identification:	LAB BLANK (L/S)	Moisture:	0%
Analytical Method:	EPA 8240 (modified) (Volatile Fraction)		

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
No compounds detected	----

Approximate limit of detection: 5 ug/kg.

* Results reported on a dry weight basis.

GC/MS BNA BLANKS

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/31/89
Lab Number:	------ (F6183)	Date Extracted:	8/31/89
Sample Identification:	LAB BLANK (L/S)	Date Analyzed:	9/14/89
Analytical Method:	EPA 8270	Moisture:	0%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	<700	700
Acenaphthylene	<700	700
Anthracene	<700	700
Benzo(a)anthracene	<700	700
Benzo(b)fluoranthene	<700	700
Benzo(k)fluoranthene	<700	700
Benzo(a)pyrene	<700	700
Benzo(ghi)perylene	<700	700
Benzyl alcohol	<700	700
Benzyl butyl phthalate	<700	700
Bis(2-chloroethyl)ether	<700	700
Bis(2-chloroethoxy)methane	<700	700
Bis(2-chloroisopropyl)ether	<700	700
Bis(2-ethylhexyl)phthalate	<700	700
4-Bromophenyl phenyl ether	<700	700
4-Chloroaniline	<700	700
2-Chloronaphthalene	<700	700
4-Chlorophenyl phenyl ether	<700	700
Chrysene	<700	700
Dibenzo(a,h)anthracene	<700	700
Dibenzofuran	<700	700
Di-n-butylphthalate	<700	700
1,2-Dichlorobenzene	<700	700
1,3-Dichlorobenzene	<700	700
1,4-Dichlorobenzene	<700	700
3,3'-Dichlorobenzidine	<1000	1000
Diethyl phthalate	<700	700
Dimethyl phthalate	<700	700
2,4-Dinitrotoluene	<700	700
2,6-Dinitrotoluene	<700	700

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/31/89
Lab Number:	------ (F6183)	Date Extracted:	8/31/89
Sample Identification:	LAB BLANK (L/S)	Date Analyzed:	9/14/89
Analytical Method:	EPA 8270	Moisture:	0%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<700	700
Fluoranthene	<700	700
Fluorene	<700	700
Hexachlorobenzene	<700	700
Hexachlorobutadiene	<700	700
Hexachlorocyclopentadiene	<700	700
Hexachloroethane	<700	700
Indeno(1,2,3-cd)pyrene	<700	700
Isophorone	<700	700
2-Methylnaphthalene	<700	700
Naphthalene	<700	700
2-Nitroaniline	<3000	3000
3-Nitroaniline	<3000	3000
4-Nitroaniline	<3000	3000
Nitrobenzene	<700	700
N-Nitrosodi-n-propylamine	<700	700
N-Nitrosodiphenylamine	<700	700
Phenanthrene	<700	700
Pyrene	<700	700
1,2,4-Trichlorobenzene	<700	700

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/31/89
Lab Number:	------ (F6183)	Date Extracted:	8/31/89
Sample Identification:	LAB BLANK (L/S)	Date Analyzed:	9/14/89
Analytical Method:	EPA 8270 (Semi-Volatile Fraction)	Moisture:	0%

Tentatively Identified Compounds	Estimated Concentration (ug/kg) *
2-Methyl-3-heptene	400
Unknown ketone	3000
3,5-Dimethyl heptane	500
4-Hydroxy-4-methyl-2-pentanone (possible aldol condensation product)	40000
Unknown hydrocarbon	300
Unknown nitrogen containing compound	300
Unknown ketone	500
3-Hexene-2,5-dione	1000
Possible ketone	500
Unknown compound	900

Approximate limit of detection: 300 ug/kg.

* Results reported on a dry weight basis.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Reagents	Date Prepared:	8/31/89
Lab Number:	------ (F6174)	Date Extracted:	8/31/89
Sample Identification:	REAGENT BLANK	Date Analyzed:	9/14/89
Analytical Method:	EPA 8270		

Base Neutral Compounds	Concentration (ug)	Limit of Detection (ug)
Acenaphthene	<10	10
Acenaphthylene	<10	10
Anthracene	<10	10
Benzo(a)anthracene	<10	10
Benzo(b)fluoranthene	<10	10
Benzo(k)fluoranthene	<10	10
Benzo(a)pyrene	<10	10
Benzo(ghi)perylene	<10	10
Benzyl alcohol	<10	10
Benzyl butyl phthalate	<10	10
Bis(2-chloroethyl)ether	<10	10
Bis(2-chloroethoxy)methane	<10	10
Bis(2-chloroisopropyl)ether	<10	10
Bis(2-ethylhexyl)phthalate	<10	10
4-Bromophenyl phenyl ether	<10	10
4-Chloroaniline	<10	10
2-Chloronaphthalene	<10	10
4-Chlorophenyl phenyl ether	<10	10
Chrysene	<10	10
Dibenzo(a,h)anthracene	<10	10
Dibenzofuran	<10	10
Di-n-butylphthalate	<10	10
1,2-Dichlorobenzene	<10	10
1,3-Dichlorobenzene	<10	10
1,4-Dichlorobenzene	<10	10
3,3'-Dichlorobenzidine	<20	20
Diethyl phthalate	<10	10
Dimethyl phthalate	<10	10
2,4-Dinitrotoluene	<10	10
2,6-Dinitrotoluene	<10	10

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Reagents	Date Prepared:	8/31/89
Lab Number:	------ (F6174)	Date Extracted:	8/31/89
Sample Identification:	REAGENT BLANK	Date Analyzed:	9/14/89
Analytical Method:	EPA 8270		

Base Neutral Compounds	Concentration (ug)	Limit of Detection (ug)
Di-n-octylphthalate	<10	10
Fluoranthene	<10	10
Fluorene	<10	10
Hexachlorobenzene	<10	10
Hexachlorobutadiene	<10	10
Hexachlorocyclopentadiene	<10	10
Hexachloroethane	<10	10
Indeno(1,2,3-cd)pyrene	<10	10
Isophorone	<10	10
2-Methylnaphthalene	<10	10
Naphthalene	<10	10
2-Nitroaniline	<50	50
3-Nitroaniline	<50	50
4-Nitroaniline	<50	50
Nitrobenzene	<10	10
N-Nitrosodi-n-propylamine	<10	10
N-Nitrosodiphenylamine	<10	10
Phenanthrene	<10	10
Pyrene	<10	10
1,2,4-Trichlorobenzene	<10	10

PCB BLANKS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: REAGENT BLANK
Sample No: REAGENT BLANK
Matrix: Not Applicable

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	< 80	80
PCB Aroclor-1221	< 80	80
PCB Aroclor-1232	< 80	80
PCB Aroclor-1242	< 80	80
PCB Aroclor-1248	< 80	80
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Extracted: 08/31/89
Date of Analysis: 09/07/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 0%.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: PBLK S1
Sample No: M-BLANK
Matrix: Soil

COMPOUND NAME	CONCENTRATION (ug/kg)	LOD (ug/kg)
PCB Aroclor-1016	< 80	80
PCB Aroclor-1221	< 80	80
PCB Aroclor-1232	< 80	80
PCB Aroclor-1242	< 80	80
PCB Aroclor-1248	< 80	80
PCB Aroclor-1254	<200	200
PCB Aroclor-1260	<200	200

Date Extracted: 08/31/89
Date of Analysis: 09/07/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).
Results are reported on a dry weight basis. Moisture = 0%.

METALS BLANKS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 1

Quality Control Results
Sample Description: Reagent Blank (Metals)*
Date Prepared: 8-31-89

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.002	0.002	EPA 7060	EPA 7060	9-13-89
Barium	<0.05	0.05	EPA 3010	EPA 7080	9-13-89
Cadmium	<0.002	0.002	EPA 3010	EPA 7130	9-12-89
Chromium	<0.02	0.02	EPA 3010	EPA 7190	9-13-89
Lead	<0.02	0.02	EPA 3010	EPA 7420	9-12-89
Mercury	<0.001	0.001	EPA 7470	EPA 7470	9-11-89
Selenium	<0.002	0.002	EPA 7740	EPA 7740	9-13-89
Silver	<0.005	0.005	EPA 7760	EPA 7760	9-12-89
Copper	<0.01	0.01	EPA 3010	EPA 7210	9-11-89
Zinc	<0.05	0.05	EPA 3010	EPA 7950	9-11-89

* Please note that for the metals analysis, the reagent blank is equivalent to the water method blank.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 2

Quality Control Results
Sample Description: Soil Method Blank
Date Prepared: 8-30-89 (Mercury 9-11-89)

Analyte	(mg/L)	Limit of Detection (mg/L)	Preparation Method	Analytical Method	Date Analyzed
Arsenic	<0.8	0.8	EPA 3050	EPA 7060	9-14-89
Barium	<4	4	EPA 3050	EPA 7080	9-13-89
Cadmium	<0.2	0.2	EPA 3050	EPA 7130	9-12-89
Chromium	<2	2	EPA 3050	EPA 7190	9-13-89
Lead	<2	2	EPA 3050	EPA 7420	9-12-89
Mercury	<0.05	0.05	EPA 7471	EPA 7471	9-11-89
Selenium	<0.8	0.8	EPA 3050	EPA 7740	9-13-89
Silver	<0.4	0.4	EPA 3050	EPA 7760	9-12-89
Copper	<0.8	0.8	EPA 3050	EPA 7210	9-11-89
Zinc	<4	4	EPA 3050	EPA 7950	9-11-89

GC/MS VOA SPIKE RECOVERIES

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	9/05/89
Lab Number:	LSMSS (E7384)	Date Analyzed:	9/05/89
Sample Identification:	LAB SPIKE SAMPLE		
Analytical Method:	EPA 8240 (modified)		

Volatile Compounds	Concentration (ug/L)	Limit of Detection (ug/L)
Acetone	10	10
Benzene	48 ms	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	54 ms	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	33 ms	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	52 ms	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	42 ms	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

ms: Matrix spike compounds added at 50 ug/L.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Water	Date Prepared:	9/05/89
Lab Number:	LSMSS (E7384)	Date Analyzed:	9/05/89
Sample Identification:	LAB SPIKE SAMPLE		
Analytical Method:	EPA 8240 (modified)		

Surrogate Recovery (Volatiles)

Surrogate Compound	% Recovery	QC Limit
4-Bromofluorobenzene	102	86-115
1,2-Dichloroethane-d4	110	76-114
Toluene-d8	109	88-110

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media: Water
Lab Number: LSMSS (E7386)
Sample Identification: LAB SPIKE SAMPLE
Analytical Method: EPA 8240 (modified)

Date Prepared: 9/05/89
Date Analyzed: 9/05/89

Volatile Compounds	Concentration (ug/L)	Limit of Detection (ug/L)
Acetone	30	10
Benzene	47 ms	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<10	10
2-Butanone	<10	10
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	53 ms	5
Chloroethane	<10	10
Chloroform	<5	5
Chloromethane	<10	10
Dibromochloromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
1,1-Dichloroethene	33 ms	5
1,2-Dichloroethene (total)	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethyl benzene	<5	5
2-Hexanone	<10	10
Methylene chloride	<5	5
4-Methyl-2-pentanone	<10	10
Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	50 ms	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	42 ms	5
Vinyl acetate	<10	10
Vinyl chloride	<10	10
Xylenes (total)	<5	5

ms: Matrix spike compounds added at 50 ug/L.

GC/MS BNA SPIKE RECOVERIES

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/31/89
Lab Number:	LSMSS (F6200)	Date Extracted:	8/31/89
Sample Identification:	LAB SPIKE SAMPLE	Date Analyzed:	9/15/89
Analytical Method:	EPA 8270	Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Acenaphthene	3000 ms	800
Acenaphthylene	<800	800
Anthracene	<800	800
Benzo(a)anthracene	<800	800
Benzo(b)fluoranthene	<800	800
Benzo(k)fluoranthene	<800	800
Benzo(a)pyrene	<800	800
Benzo(ghi)perylene	<800	800
Benzyl alcohol	<800	800
Benzyl butyl phthalate	<800	800
Bis(2-chloroethyl)ether	<800	800
Bis(2-chloroethoxy)methane	<800	800
Bis(2-chloroisopropyl)ether	<800	800
Bis(2-ethylhexyl)phthalate	<800	800
4-Bromophenyl phenyl ether	<800	800
4-Chloroaniline	<800	800
2-Chloronaphthalene	<800	800
4-Chlorophenyl phenyl ether	<800	800
Chrysene	<800	800
Dibenzo(a,h)anthracene	<800	800
Dibenzofuran	<800	800
Di-n-butylphthalate	<800	800
1,2-Dichlorobenzene	<800	800
1,3-Dichlorobenzene	<800	800
1,4-Dichlorobenzene	3300 ms	800
3,3'-Dichlorobenzidine	<2000	2000
Diethyl phthalate	<800	800
Dimethyl phthalate	<800	800
2,4-Dinitrotoluene	2600 ms	800
2,6-Dinitrotoluene	<800	800

* Results reported on a dry weight basis.

ms: Matrix spike compounds added at 4100 ug/kg.

Analytical Results
for
C.E. ENVIRONMENTAL

Clayton Project No. 60056-17

Sample Matrix/Media:	Soil	Date Prepared:	8/31/89
Lab Number:	LSMSS (F6200)	Date Extracted:	8/31/89
Sample Identification:	LAB SPIKE SAMPLE	Date Analyzed:	9/15/89
Analytical Method:	EPA 8270	Moisture:	18%

Base Neutral Compounds	Concentration (ug/kg) *	Limit of Detection (ug/kg)
Di-n-octylphthalate	<800	800
Fluoranthene	<800	800
Fluorene	<800	800
Hexachlorobenzene	<800	800
Hexachlorobutadiene	<800	800
Hexachlorocyclopentadiene	<800	800
Hexachloroethane	<800	800
Indeno(1,2,3-cd)pyrene	<800	800
Isophorone	<800	800
2-Methylnaphthalene	<800	800
Naphthalene	<800	800
2-Nitroaniline	<4000	4000
3-Nitroaniline	<4000	4000
4-Nitroaniline	<4000	4000
Nitrobenzene	<800	800
N-Nitrosodi-n-propylamine	2700 ms	800
N-Nitrosodiphenylamine	<800	800
Phenanthrene	<800	800
Pyrene	2700 ms	800
1,2,4-Trichlorobenzene	2800 ms	800

* Results reported on a dry weight basis.

ms: Matrix spike compounds added at 4100 ug/kg.

PCB SPIKE RECOVERIES

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: RECOVERY 1 (763187 MSD)
Sample No: AR-1254 SPIKE
Matrix: Soil

COMPOUND NAME	SPIKE (ug/kg)	Amount Recovered (ug/kg)	% Recovery
PCB Aroclor-1254	407	398	98

Date Received: 08/23/98
Date Extracted: 08/31/89
Date of Analysis: 09/07/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analysis For: C.E. ENVIRONMENTAL
Project No: 60056-17
Lab No: RECOVERY 2 (763187 MS)
Sample No: AR-1254 SPIKE
Matrix: Soil

COMPOUND NAME	SPIKE (ug/kg)	Amount Recovered (ug/kg)	% Recovery
PCB Aroclor-1254	407	355	87

Date Received: 08/23/98
Date Extracted: 08/31/89
Date of Analysis: 09/07/89

LOD = Limit of Detection

Analytical Method: U.S. EPA, Test Methods for Evaluating Solid Waste; Physical/ Chemical Methods, SW-846, Third Edition Method 8080 (modified).

METALS SPIKE RECOVERIES

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 3

Quality Control Results
Sample Description: Metals Recovery Spike - 1
Matrix: Water
Date Prepared: 8-31-89 (Mercury 9-11-89)

Analyte	Spike Level (mg/L)	Amount Recovered (mg/L)	Percent Recovery
Arsenic	0.040	0.043	108%
Barium	2.5	2.6	104%
Cadmium	1.25	1.24	99%
Chromium	5.0	5.0	100%
Lead	5.0	5.5	110%
Mercury	0.0050	0.0054	108%
Selenium	0.040	0.040	100%
Silver	1.25	0.24	19% *
Copper	2.5	2.5	100%
Zinc	5.0	4.9	98%

* The silver recoveries were outside acceptance limits; however there was insufficient amount of sample remaining to do a second preparation with fresh recoveries. The historical range for this analysis (2 standard deviations) is 81.8 - 112%.

Please refer to Table 1 (Quality Control Results) for the limits of detection, preparation and analytical methods, and analysis dates.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report
for
C.E. ENVIRONMENTAL

Clayton Project No.: 60056-17
Client Project No.: 5859-01

Table 4

Quality Control Results
Sample Description: Metals Recovery Spike - 2
Matrix: Water
Date Prepared: 8-31-89 (Mercury 9-11-89)

Analyte	Spike Level (mg/L)	Amount Recovered (mg/L)	Percent Recovery
Arsenic	0.040	0.048	120%
Barium	2.5	2.7	108%
Cadmium	1.25	1.22	98%
Chromium	5.0	5.2	104%
Lead	5.0	5.2	104%
Mercury	0.0050	0.0047	94%
Selenium	0.040	0.038	95%
Silver	1.25	0.42	34% *
Copper	2.5	2.6	104%
Zinc	5.0	5.4	108%

* The silver recoveries were outside acceptance limits; however there was insufficient amount of sample remaining to do a second preparation with fresh recoveries. The historical range for this analysis (2 standard deviations) is 81.8 - 112%.

Please refer to Table 1 (Quality Control Results) for the limits of detection, preparation and analytical methods, and analysis dates.

GC/MS VOA STANDARD CURVE DATA

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

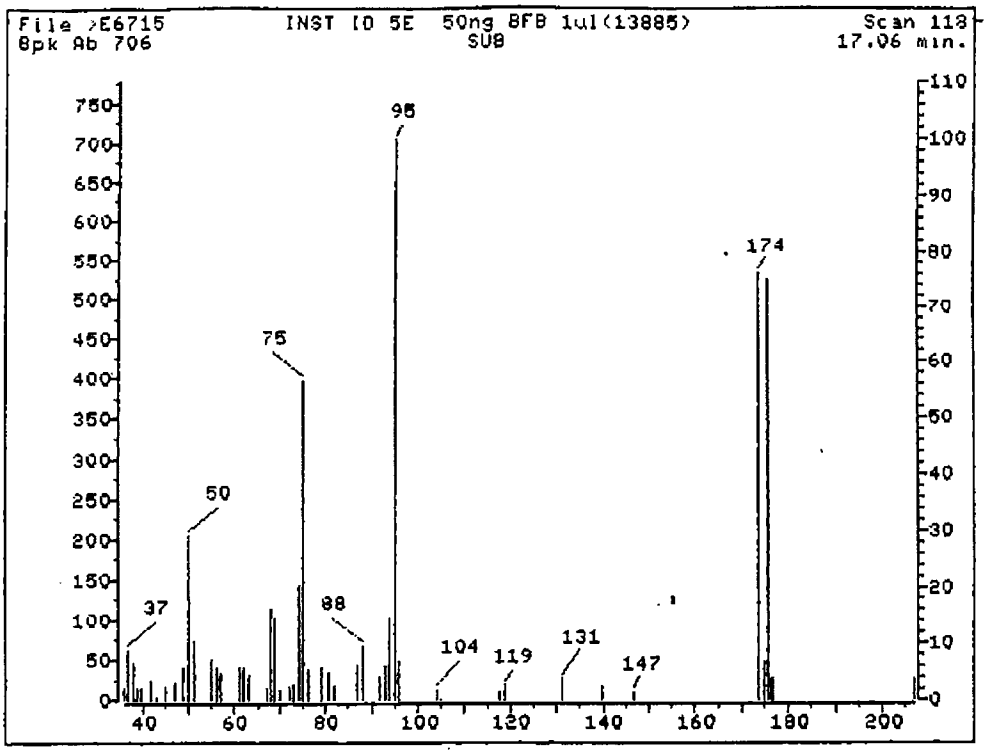
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	29.04	29.04	Ok
75	30-60% of mass 95	56.23	56.23	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.80	6.80	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	75.92	75.92	Ok
175	5-9% of mass 174	6.80	8.96	Ok
176	95-101% of mass 174	74.50	98.13	Ok
177	5-9% of mass 176	3.82	5.13	Ok

Injection Date: 07/14/89
Injection Time: 09:57
Data File: >E6715
Scan: 118-122 CN 02-14-89

>E6715 INST ID SE 50ng BFB 1ul(13885)
118 SUB NRM

File: >E6715 Scan #: 118 Retn. time: 17.06 - 127 CN 02-14-89

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.90	2.125	50.05	29.037	69.05	14.448	81.95	2.408	117.75	1.416
37.00	8.924	51.05	10.340	70.05	1.558	86.95	6.232	118.95	2.691
38.00	6.374	55.05	7.224	72.05	2.408	88.05	9.490	130.95	3.683
39.00	2.125	56.05	5.666	72.35	1.700	91.95	3.966	139.85	2.408
39.90	1.983	57.05	4.816	73.05	2.833	93.05	6.091	146.70	1.416
41.70	3.116	61.05	5.666	74.05	20.113	94.05	14.448	173.90	75.921
41.90	3.541	61.95	5.807	75.05	56.232	95.05	100.000	175.00	6.799
43.00	.283	63.05	4.249	76.05	5.524	96.05	6.799	175.90	74.504
45.00	2.408	67.35	1.983	78.95	5.807	103.95	1.841	176.80	3.824
47.00	2.975	68.05	16.289	80.95	4.816	105.05	.142	207.00	3.683
49.00	5.807								



MS data file header from : >E6715

Sample: INST ID 5E 50ng 8FB Operator: TERMINAL60MS 7/14/89 9:57
Misc : 1ul(13885)
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: 8F8ME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	.5	10.8	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	0.0	0.0

Calibration Report

Title: VOLATILES BY USEPA SOW REV. 1/88
Calibrated: 890714 22:46

Compound	Files:)E6724 RF 20.00	)E6716 RF 50.00	)E6717 RF 100.00	)E6720 RF 150.00	)E6719 RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD
CHLOROMETHANE	1.19054	.71847	.89303	.85571	.88786	.191	.90912	18.981
BROMOMETHANE	1.39712	1.37401	1.37641	1.14551	1.20663	.273	1.29994	8.883
VINYL CHLORIDE	1.36784	.96916	1.12876	1.05906	1.14642	.335	1.13425	13.051
CHLOROETHANE	.97321	.75563	.81170	.79907	.82415	.419	.83275	9.926
METHYLENE CHLORIDE	1.65846	1.60546	1.60975	1.58022	1.57328	.631	1.60543	2.089
ACETONE	.59446	.47977	.42868	.39162	.35547	.721	.45000	20.654
CARBON DISULFIDE	3.50629	3.93614	4.03648	3.90899	4.07712	.809	3.89141	5.831
1,1-DICHLOROETHENE	1.31403	1.35960	1.35153	1.28064	1.32787	.951	1.32674	2.378
1,1-DICHLOROETHANE	2.99036	2.92785	2.96300	2.83974	2.89450	1.097	2.92309	2.017
1,2-DICHLOROETHENE (TOTAL)	1.38828	1.33873	1.36761	1.32593	1.35346	1.187	1.35480	1.800
CHLOROFORM	3.16595	3.11972	3.13991	3.00000	3.03670	1.255	3.09246	2.290
d4-1,2-DICHLOROETHANE(SS)	1.72273	1.80779	1.75196	1.60449	1.70655	1.331	1.71870	4.339
1,2-DICHLOROETHANE	1.98787	2.13734	2.10706	1.93883	1.99770	1.342	2.03376	4.152
2-BUTANONE	.07301	.10980	.11230	.11551	.10801	1.345	.10373	16.774
1,1,1-TRICHLOROETHANE	.61634	.65647	.67773	.65837	.66058	.666	.65390	3.462
CARBON TETRACHLORIDE	.51534	.55902	.57439	.55932	.56095	.688	.55380	4.050
VINYL ACETATE	.42414	.62341	.73531	.63623	.65707	.703	.61523	18.744
BROMODICHLOROMETHANE	.76705	.78642	.83539	.81536	.80735	.719	.80231	3.289
1,2-DICHLOROPROPANE	.55375	.52714	.54895	.54620	.54175	.789	.54356	1.869
CIS-1,3-DICHLOROPROPENE	.66321	.68541	.73307	.71458	.72336	.804	.70393	4.106
TRICHLOROETHENE	.51953	.48591	.51006	.50630	.48841	.835	.50204	2.876
DIBROMOCHLOROMETHANE	.62328	.63519	.68650	.68398	.67061	.867	.65991	4.388
1,1,2-TRICHLOROETHANE	.44413	.45342	.45294	.44080	.43052	.873	.44436	2.135
BENZENE	1.15486	1.11918	1.14225	1.13034	1.10668	.861	1.13066	1.670
TRANS-1,3-DICHLOROPROPENE	.59135	.61334	.64843	.64515	.62496	.873	.62465	3.773
BROMOFORM	.28259	.27828	.32019	.32144	.33381	1.010	.30726	8.172
4-METHYL-2-PENTANONE	.69951	.70649	.69264	.67638	.67054	.823	.68911	2.212
2-HEXANONE	.42104	.43028	.44106	.43234	.42494	.890	.42993	1.778
TETRACHLOROETHENE	.44563	.43163	.43185	.42137	.43599	.904	.43329	2.020
1,1,2,2-TETRACHLOROETHANE	.70267	.72974	.74639	.70345	.73270	.900	.72299	2.662
d8-TOLUENE(SS)	1.22551	1.17506	1.14862	1.14570	1.17749	.950	1.17447	2.729
TOLUENE	.81791	.81757	.81599	.81051	.81150	.957	.81470	.425
CHLOROBENZENE	1.05078	1.02805	1.04481	1.03572	1.03738	1.005	1.03935	.840
ETHYLBENZENE	.53219	.52555	.52645	.51993	.53107	1.083	.52704	.929
4-BROMOFLUOROBENZENE(SS)	.86434	.81457	.80455	.77532	.81247	1.171	.81425	3.942
STYRENE	1.07671	1.08142	1.09979	1.08796	1.10778	1.220	1.09073	1.181
TOTAL XYLENES	.65190	.66846	.67451	.65934	.66934	1.232	.66471	1.355

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

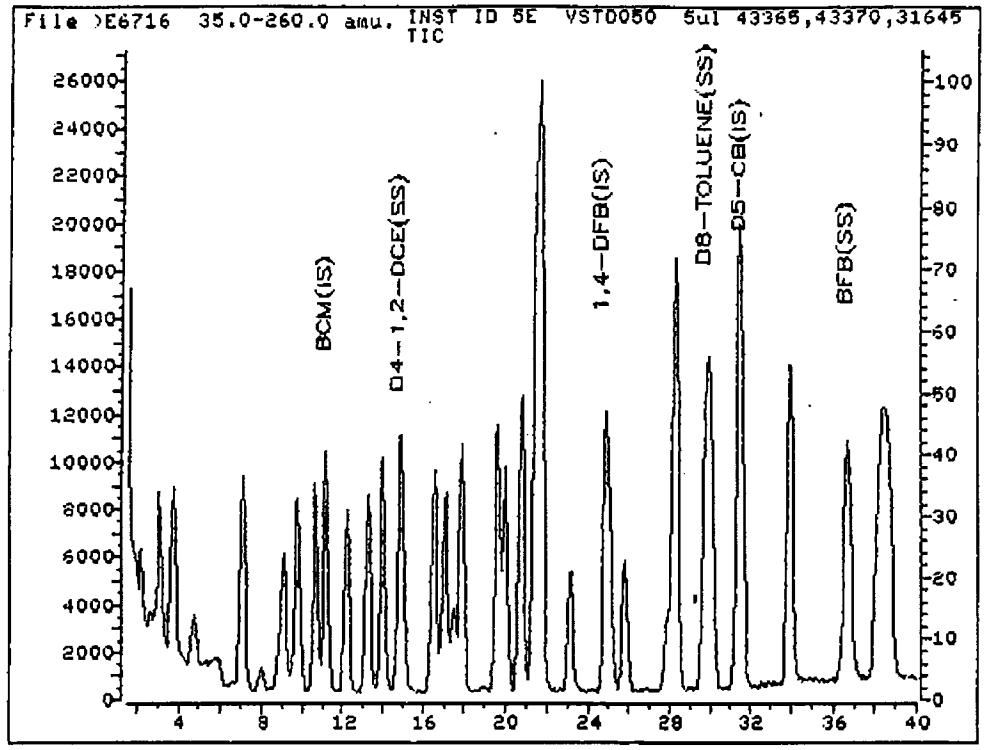
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890714 13:40
Output File: ^E6716::QT Injected at: 890714 10:50
Data File: >E6716::DA Dilution Factor: 1.00000
Name: INST ID SE VSTD050
Misc: Sul 43365,43370,31645 IS/SS=50ppb Sul 43362,43363

ID File: VOAID5::D7
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890712 13:08

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.16	128.0	20264	50.00	ug/L	78
2)	CHLOROMETHANE	2.21	50.0	14559	33.61	ug/L	97
3)	BROMOMETHANE	3.06	94.0	27843	40.22	ug/L	17
4)	VINYL CHLORIDE	3.83	62.0	19639	36.87	ug/L	95
5)	CHLOROETHANE	4.76	64.0	15312	40.62	ug/L	99
6)	METHYLENE CHLORIDE	7.07	84.0	32533	51.09	ug/L	83
7)	ACETONE	8.00	43.0	9722	44.19	ug/L	70
8)	CARBON DISULFIDE	9.08	76.0	79762	45.49	ug/L	62
9)	1,1-DICHLOROETHENE	10.62	96.0	27551	45.54	ug/L	93
10)	1,1-DICHLOROETHANE	12.24	63.0	59330	43.78	ug/L	91
11)	1,2-DICHLOROETHENE (TOTAL)	13.24	96.0	27128	44.78	ug/L	97
12)	CHLOROFORM	14.01	83.0	63218	44.06	ug/L	95
13)	d4-1,2-DICHLOROETHANE(SS)	14.86	65.0	36633	48.39	ug/L	100
14)	1,2-DICHLOROETHANE	14.94	62.0	43311	44.78	ug/L	95
15)	2-BUTANONE	14.94	72.0	2225	45.31	ug/L	83
16)	*1,4-DIFLUOROBENZENE(IS)	24.80	114.0	72783	50.00	ug/L	31
17)	1,1,1-TRICHLOROETHANE	16.55	97.0	47780	45.88	ug/L	91
18)	CARBON TETRACHLORIDE	17.09	117.0	40687	47.40	ug/L	99
19)	VINYL ACETATE	17.48	43.0	45374	40.03	ug/L	100
20)	BROMODICHLOROMETHANE	17.86	83.0	57238	45.69	ug/L	95
21)	1,2-DICHLOROPROPANE	19.64	63.0	38367	45.40	ug/L	60
22)	CIS-1,3-DICHLOROPROPENE	19.95	75.0	49886	45.64	ug/L	100
23)	TRICHLOROETHENE	20.72	130.0	35386	46.51	ug/L	91
24)	DIBROMOCHLOROMETHANE	21.57	129.0	46231	45.19	ug/L	98
25)	1,1,2-TRICHLOROETHANE	21.64	97.0	33001	45.68	ug/L	93
26)	BENZENE	21.41	78.0	81457	46.17	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.72	75.0	44641	44.94	ug/L	95
28)	BROMOFORM	25.11	173.0	20254	46.67	ug/L	94
29)	*d5-CHLOROBENZENE(IS)	31.36	117.0	60675	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	25.81	43.0	42866	50.40	ug/L	95
31)	2-HEXANONE	27.89	43.0	26107	45.29	ug/L	97
32)	TETRACHLOROETHENE	28.35	164.0	26189	49.84	ug/L	67
33)	1,1,2,2-TETRACHLOROETHANE	28.20	83.0	44277	46.71	ug/L	96
34)	d8-TOLUENE(SS)	29.74	98.0	71297	50.53	ug/L	95
35)	TOLUENE	29.97	92.0	49606	48.75	ug/L	86
36)	CHLOROBENZENE	31.51	112.0	62377	48.82	ug/L	87
37)	ETHYLBENZENE	33.90	106.0	31888	48.36	ug/L	78
38)	4-BROMOFLUOROBENZENE(SS)	36.68	95.0	49424	48.42	ug/L	91
39)	STYRENE	38.22	104.0	65615	49.17	ug/L	68
40)	TOTAL XYLENES	38.61	106.0	40559	49.73	ug/L	74

* Compound is ISTD



MS data file header from : >E6716

Sample: INST ID 5E VSTD050 Operator: TERMINAL60MS 7/14/89 10:50
Misc : 5ul 43365,43370,31645 IS/SS=50ppb 5ul 43362,43363
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

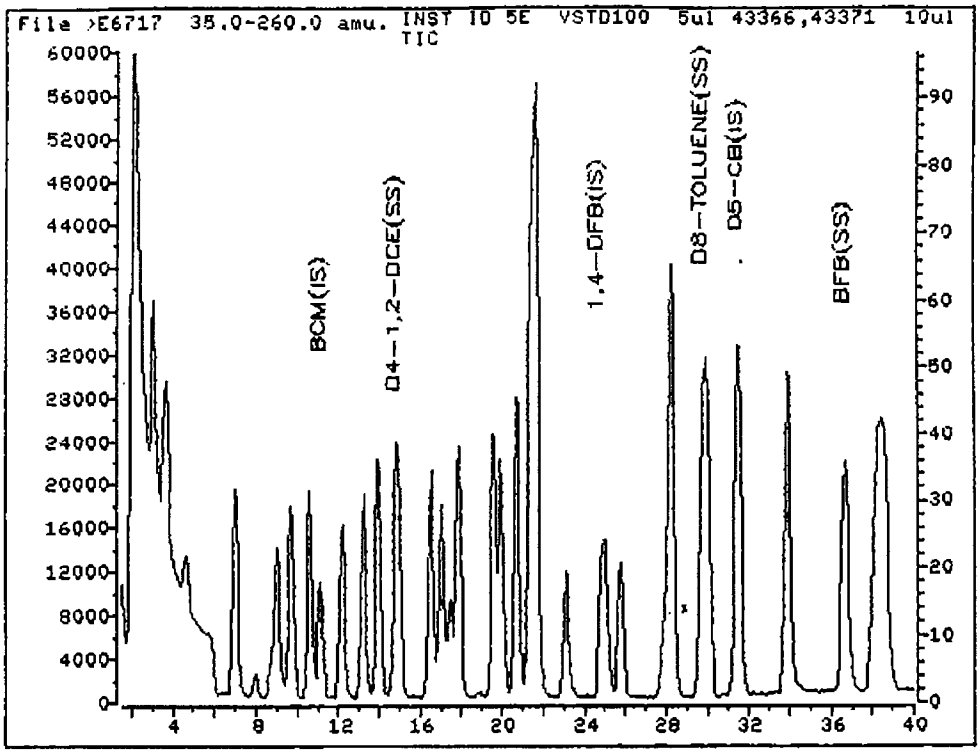
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890714 13:42
Output File: ^E6717::QT Injected at: 890714 12:32
Data File: >E6717::DA Dilution Factor: 1.00000
Name: INST ID SE VSTD100
Misc: 5ul 43366,43371 10ul 31645,43262 IS=50ppb 5ul 43363

ID File: VOAID5::07
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890712 13:08

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.14	128.0	22146	50.00	ug/L	76
2)	CHLOROMETHANE	2.12	50.0	39554	83.54	ug/L	95
3)	BROMOMETHANE	3.05	94.0	60964	80.58	ug/L	18
4)	VINYL CHLORIDE	3.74	62.0	49995	85.89	ug/L	99
5)	CHLOROETHANE	4.67	64.0	35952	87.26	ug/L	95
6)	METHYLENE CHLORIDE	6.98	84.0	71299	102.46	ug/L	85
7)	ACETONE	7.98	43.0	18987	78.97	ug/L	70
8)	CARBON DISULFIDE	8.98	76.0	178784	93.29	ug/L	61
9)	1,1-DICHLOROETHENE	10.60	96.0	59862	90.54	ug/L	91
10)	1,1-DICHLOROETHANE	12.22	63.0	131237	88.62	ug/L	89
11)	1,2-DICHLOROETHENE (TOTAL)	13.22	96.0	60574	91.50	ug/L	97
12)	CHLOROFORM	13.92	83.0	139073	88.69	ug/L	91
13)	d4-1,2-DICHLOROETHANE(SS)	14.77	65.0	77598	93.79	ug/L	100
14)	1,2-DICHLOROETHANE	14.92	62.0	93326	88.30	ug/L	98
15)	2-BUTANONE	14.92	72.0	4974	92.68	ug/L	81
16)	*1,4-DIFLUOROBENZENE(IS)	24.79	114.0	77780	50.00	ug/L	32
17)	1,1,1-TRICHLOROETHANE	16.54	97.0	105428	94.74	ug/L	89
18)	CARBON TETRACHLORIDE	17.08	117.0	89352	97.41	ug/L	99
19)	VINYL ACETATE	17.46	43.0	114385	94.42	ug/L	100
20)	BROMODICHLOROMETHANE	17.85	83.0	129953	97.08	ug/L	96
21)	1,2-DICHLOROPROPANE	19.55	63.0	85394	94.56	ug/L	62
22)	CIS-1,3-DICHLOROPROPENE	19.93	75.0	114037	97.63	ug/L	100
23)	TRICHLOROETHENE	20.70	130.0	79345	97.63	ug/L	93
24)	DIBROMOCHLOROMETHANE	21.47	129.0	106792	97.69	ug/L	96
25)	1,1,2-TRICHLOROETHANE	21.63	97.0	70459	91.26	ug/L	92
26)	BENZENE	21.40	78.0	177689	94.25	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.63	75.0	100869	95.03	ug/L	92
28)	BROMOFORM	25.02	173.0	49808	107.40	ug/L	97
29)	*d5-CHLOROBENZENE(IS)	31.34	117.0	66292	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	25.79	43.0	91833	98.82	ug/L	96
31)	2-HEXANONE	27.87	43.0	58478	92.84	ug/L	96
32)	TETRACHLOROETHENE	28.26	164.0	57256	99.73	ug/L	79
33)	1,1,2,2-TETRACHLOROETHANE	28.18	83.0	98960	95.55	ug/L	93
34)	d8-TOLUENE(SS)	29.72	98.0	152288	98.79	ug/L	97
35)	TOLUENE	29.96	92.0	108187	97.31	ug/L	90
36)	CHLOROBENZENE	31.50	112.0	138525	99.23	ug/L	92
37)	ETHYLBENZENE	33.89	106.0	69799	96.88	ug/L	80
38)	4-BROMOFLUOROBENZENE(SS)	36.66	95.0	106671	95.65	ug/L	95
39)	STYRENE	38.21	104.0	145815	100.01	ug/L	72
40)	TOTAL XYLENES	38.59	106.0	89429	100.36	ug/L	71

* Compound is ISTD



MS data file header from : >E6717

Sample: INST ID 5E VSTD100 Operator: TERMINAL60MS 7/14/89 12:32
Misc : 5ul 43366,43371 10ul 31645,43262 IS=50ppb 5ul 43363
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

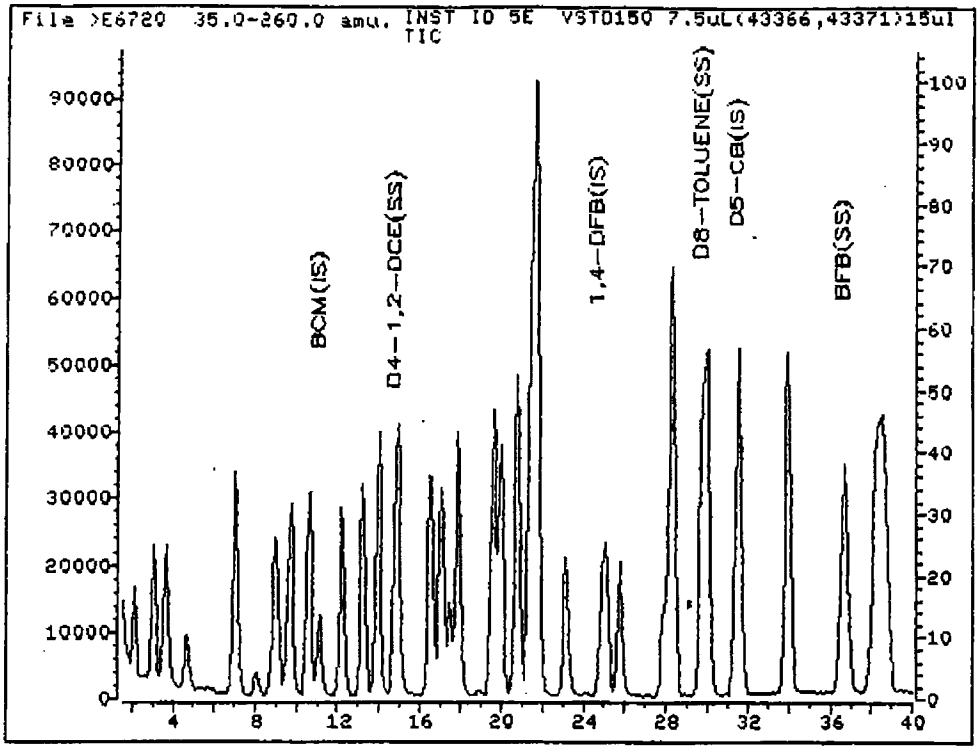
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890714 17:31
Output File: ^E6720::QT Injected at: 890714 16:40
Data File: >E6720::DA Dilution Factor: 1.00000
Name: INST ID SE VSTD150
Misc: 7.5uL(43366,43371)15ul 31645,43262 IS=50ppb 5ul 43363

ID File: VOAIDS::D7
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890712 13:08

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.11	128.0	26463	50.00	ug/L	88
2)	CHLOROMETHANE	2.09	50.0	67934	120.07	ug/L	94
3)	BROMOMETHANE	3.01	94.0	90941	100.60	ug/L	18
4)	VINYL CHLORIDE	3.71	62.0	84078	120.88	ug/L	96
5)	CHLOROETHANE	4.63	64.0	63437	128.86	ug/L	96
6)	METHYLENE CHLORIDE	7.02	84.0	125452	150.86	ug/L	85
7)	ACETONE	8.02	43.0	31090	108.22	ug/L	67
8)	CARBON DISULFIDE	8.95	76.0	309696	135.24	ug/L	61
9)	1,1-DICHLOROETHENE	10.57	96.0	101669	128.68	ug/L	93
10)	1,1-DICHLOROETHANE	12.19	63.0	225444	127.40	ug/L	90
11)	1,2-DICHLOROETHENE (TOTAL)	13.19	96.0	105264	133.07	ug/L	98
12)	CHLOROFORM	13.96	83.0	238167	127.11	ug/L	90
13)	d4-1,2-DICHLOROETHANE(SS)	14.81	65.0	127379	128.85	ug/L	100
14)	1,2-DICHLOROETHANE	14.96	62.0	153922	121.88	ug/L	96
15)	2-BUTANONE	14.96	72.0	9170	142.99	ug/L	81
16)	*1,4-DIFLUOROBENZENE(IS)	24.83	114.0	89917	50.00	ug/L	32
17)	1,1,1-TRICHLOROETHANE	16.51	97.0	177597	138.05	ug/L	96
18)	CARBON TETRACHLORIDE	17.05	117.0	150877	142.28	ug/L	97
19)	VINYL ACETATE	17.43	43.0	171623	122.54	ug/L	100
20)	BROMODICHLOROMETHANE	17.82	83.0	219944	142.12	ug/L	95
21)	1,2-DICHLOROPROPANE	19.59	63.0	147337	141.13	ug/L	61
22)	CIS-1,3-DICHLOROPROPENE	19.98	75.0	192760	142.75	ug/L	100
23)	TRICHLOROETHENE	20.75	130.0	136575	145.37	ug/L	90
24)	DIBROMOCHLOROMETHANE	21.52	129.0	184503	146.00	ug/L	96
25)	1,1,2-TRICHLOROETHANE	21.67	97.0	118906	133.23	ug/L	94
26)	BENZENE	21.36	78.0	304911	139.90	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.67	75.0	174029	141.82	ug/L	95
28)	BROMOFORM	25.07	173.0	86710	161.74	ug/L	98
29)	*d5-CHLOROBENZENE(IS)	31.31	117.0	75982	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	25.76	43.0	154178	144.75	ug/L	95
31)	2-HEXANONE	27.92	43.0	98550	136.51	ug/L	94
32)	TETRACHLOROETHENE	28.30	164.0	96049	145.96	ug/L	78
33)	1,1,2,2-TETRACHLOROETHANE	28.23	83.0	160349	135.08	ug/L	91
34)	d8-TOLUENE(SS)	29.77	98.0	261158	147.81	ug/L	98
35)	TOLUENE	30.00	92.0	184753	144.99	ug/L	90
36)	CHLOROBENZENE	31.47	112.0	236088	147.55	ug/L	87
37)	ETHYLBENZENE	33.93	106.0	118515	143.51	ug/L	79
38)	4-BROMOFLUOROBENZENE(SS)	36.71	95.0	176732	138.26	ug/L	93
39)	STYRENE	38.25	104.0	247997	148.39	ug/L	69
40)	TOTAL XYLENES	38.56	106.0	150295	147.16	ug/L	71

* Compound is ISTD



MS data file header from : >E6720

Sample: INST ID 5E VSTD150 Operator: TERMINAL60MS 7/14/89 16:40
Misc : 7.5uL(43366,43371)15ul 31645,43262 IS=50ppb 5ul 43363
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

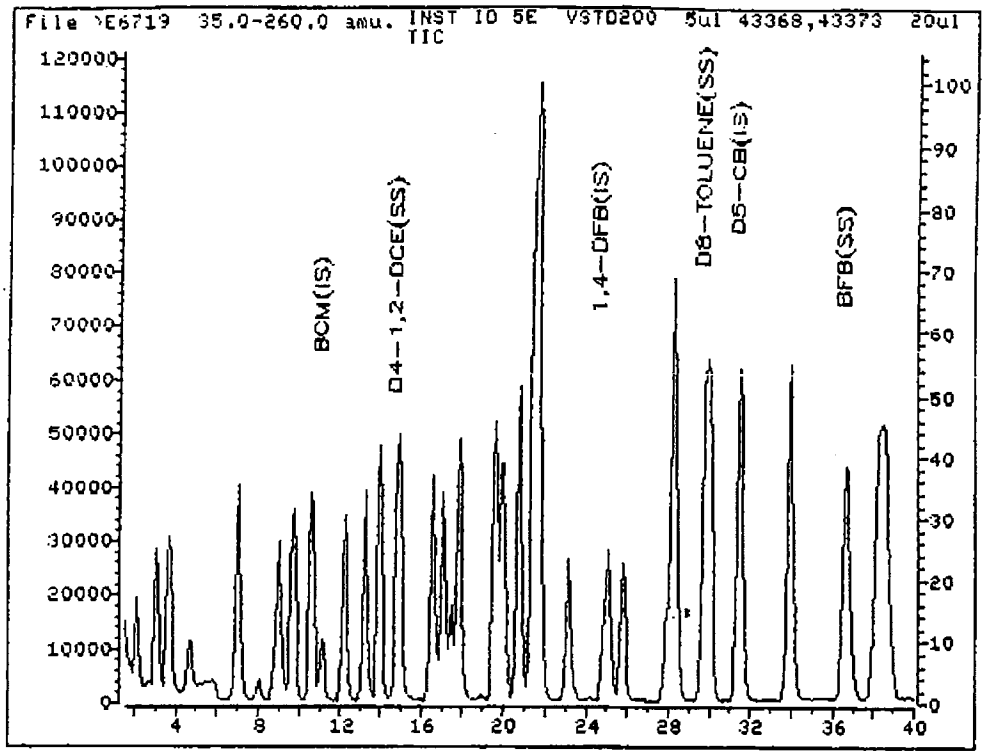
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890714 15:51
Output File: ^E6719::QT Injected at: 890714 14:53
Data File: >E6719::DA Dilution Factor: 1.00000
Name: INST ID 5E VSTD200
Misc: 5ul 43368,43373 20ul 31645,43262 IS=50ppb 5ul 43363

ID File: VOAIDS::D7
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890712 13:08

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.13	128.0	23571	50.00	ug/L	85
2)	CHLOROMETHANE	2.11	50.0	83711	166.11	ug/L	97
3)	BROMOMETHANE	3.03	94.0	113766	141.28	ug/L	18
4)	VINYL CHLORIDE	3.73	62.0	108089	174.47	ug/L	96
5)	CHLOROETHANE	4.65	64.0	77704	177.20	ug/L	96
6)	METHYLENE CHLORIDE	7.04	84.0	148335	200.27	ug/L	86
7)	ACETONE	8.05	43.0	33515	130.97	ug/L	69
8)	CARBON DISULFIDE	8.97	76.0	384407	188.46	ug/L	61
9)	1,1-DICHLOROETHENE	10.59	96.0	125197	177.91	ug/L	94
10)	1,1-DICHLOROETHANE	12.21	63.0	272905	173.14	ug/L	89
11)	1,2-DICHLOROETHENE (TOTAL)	13.21	96.0	127610	181.11	ug/L	97
12)	CHLOROFORM	13.98	83.0	286312	171.56	ug/L	93
13)	d4-1,2-DICHLOROETHANE(SS)	14.83	65.0	160900	182.72	ug/L	100
14)	1,2-DICHLOROETHANE	14.91	62.0	188351	167.43	ug/L	99
15)	2-BUTANONE	14.99	72.0	10184	178.28	ug/L	81
16)	*1,4-DIFLUOROBENZENE(IS)	24.86	114.0	82905	50.00	ug/L	33
17)	1,1,1-TRICHLOROETHANE	16.53	97.0	219060	184.68	ug/L	92
18)	CARBON TETRACHLORIDE	17.07	117.0	186021	190.25	ug/L	96
19)	VINYL ACETATE	17.45	43.0	217898	168.75	ug/L	100
20)	BROMODICHLOROMETHANE	17.84	83.0	267734	187.64	ug/L	93
21)	1,2-DICHLOROPROPANE	19.61	63.0	179655	186.64	ug/L	61
22)	CIS-1,3-DICHLOROPROPENE	20.00	75.0	239882	192.67	ug/L	100
23)	TRICHLOROETHENE	20.77	130.0	161968	186.98	ug/L	84
24)	DIBROMOCHLOROMETHANE	21.54	129.0	222389	190.86	ug/L	95
25)	1,1,2-TRICHLOROETHANE	21.69	97.0	142768	173.49	ug/L	94
26)	BENZENE	21.39	78.0	366998	182.63	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.69	75.0	207248	183.18	ug/L	93
28)	BROMOFORM	25.09	173.0	110699	223.95	ug/L	97
29)	*d5-CHLOROBENZENE(IS)	31.33	117.0	68955	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	25.78	43.0	184947	191.34	ug/L	98
31)	2-HEXANONE	27.86	43.0	117208	178.90	ug/L	94
32)	TETRACHLOROETHENE	28.33	164.0	120256	201.37	ug/L	76
33)	1,1,2,2-TETRACHLOROETHANE	28.17	83.0	202093	187.60	ug/L	94
34)	d8-TOLUENE(SS)	29.79	98.0	324774	202.55	ug/L	95
35)	TOLUENE	30.02	92.0	223827	193.55	ug/L	91
36)	CHLOROBENZENE	31.49	112.0	286131	197.05	ug/L	91
37)	ETHYLBENZENE	33.96	106.0	146480	195.45	ug/L	81
38)	4-BROMOFLUOROBENZENE(SS)	36.65	95.0	224096	193.17	ug/L	97
39)	STYRENE	38.20	104.0	305547	201.46	ug/L	72
40)	TOTAL XYLENES	38.58	106.0	184616	199.19	ug/L	74

* Compound is ISTD



MS data file header from : >E6719

Sample: INST ID 5E VSTD200 Operator: TERMINAL60MS 7/14/89 14:53
Misc : 5ul 43368,43373 20ul 31645,43262 IS=50ppb 5ul 43363
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

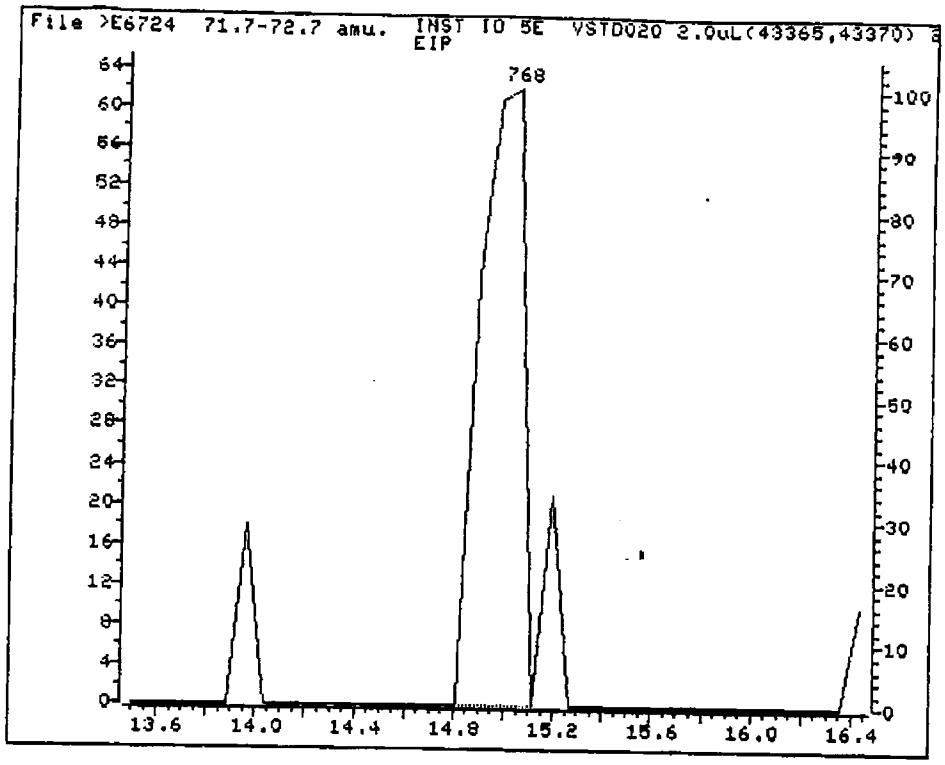
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890714 21:41
Output File: ^E6724::QT Injected at: 890714 20:45
Data File: >E6724::DA Dilution Factor: 1.00000
Name: INST ID SE VSTD020
Misc: 2.0uL(43365,43370) 2ul 31645,43262 IS=50ppb 5ul 43363

ID File: VOAID5::D7
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890712 13:08

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.11	128.0	26297	50.00	ug/L	83
2)	CHLOROMETHANE	2.09	50.0	12523	22.27	ug/L	97
3)	BROMOMETHANE	3.01	94.0	14696	16.36	ug/L	20
4)	VINYL CHLORIDE	3.63	62.0	14388	20.82	ug/L	94
5)	CHLOROETHANE	4.63	64.0	10237	20.93	ug/L	99
6)	METHYLENE CHLORIDE	7.02	84.0	17445	21.11	ug/L	85
7)	ACETONE	8.10	43.0	6253	21.90	ug/L	74
8)	CARBON DISULFIDE	9.03	76.0	36882	16.21	ug/L	63
9)	1,1-DICHLOROETHENE	10.57	96.0	13822	17.61	ug/L	94
10)	1,1-DICHLOROETHANE	12.19	63.0	31455	17.89	ug/L	92
11)	1,2-DICHLOROETHENE (TOTAL)	13.19	96.0	14603	18.58	ug/L	97
12)	CHLOROFORM	13.96	83.0	33302	17.89	ug/L	91
13)	d4-1,2-DICHLOROETHANE(SS)	14.81	65.0	18121	18.45	ug/L	100
14)	1,2-DICHLOROETHANE	14.96	62.0	20910	16.66	ug/L	96
15)	2-BUTANONE	15.04	72.0	768M	12.05	ug/L	
16)	*1,4-DIFLUOROBENZENE(IS)	24.83	114.0	92546	50.00	ug/L	31
17)	1,1,1-TRICHLOROETHANE	16.58	97.0	22816	17.23	ug/L	97
18)	CARBON TETRACHLORIDE	17.04	117.0	19077	17.48	ug/L	96
19)	VINYL ACETATE	17.43	43.0	15701	10.89	ug/L	100
20)	BROMODICHLOROMETHANE	17.82	83.0	28395	17.83	ug/L	91
21)	1,2-DICHLOROPROPANE	19.59	63.0	20499	19.08	ug/L	57
22)	CIS-1,3-DICHLOROPROPENE	19.97	75.0	24551	17.66	ug/L	100
23)	TRICHLOROETHENE	20.75	130.0	19232	19.89	ug/L	89
24)	DIBROMOCHLOROMETHANE	21.52	129.0	23073	17.74	ug/L	97
25)	1;1,2-TRICHLOROETHANE	21.67	97.0	16441	17.90	ug/L	94
26)	BENZENE	21.36	78.0	42751	19.06	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.67	75.0	21891	17.33	ug/L	91
28)	BROMOFORM	25.06	173.0	10461	18.96	ug/L	98
29)	*d5-CHLOROBENZENE(IS)	31.31	117.0	78294	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	25.83	43.0	21907	19.96	ug/L	96
31)	2-HEXANONE	27.92	43.0	13186	17.73	ug/L	96
32)	TETRACHLOROETHENE	28.30	164.0	13956	20.58	ug/L	80
33)	1,1,2,2-TETRACHLOROETHANE	28.22	83.0	22006	17.99	ug/L	99
34)	d8-TOLUENE(SS)	29.77	98.0	38380	21.08	ug/L	99
35)	TOLUENE	30.00	92.0	25615	19.51	ug/L	87
36)	CHLOROBENZENE	31.54	112.0	32908	19.96	ug/L	90
37)	ETHYLBENZENE	33.93	106.0	16667	19.59	ug/L	81
38)	4-BROMOFLUOROBENZENE(SS)	36.71	95.0	27069	20.55	ug/L	94
39)	STYRENE	38.25	104.0	33720	19.58	ug/L	74
40)	TOTAL XYLENES	38.63	106.0	20416	19.40	ug/L	69

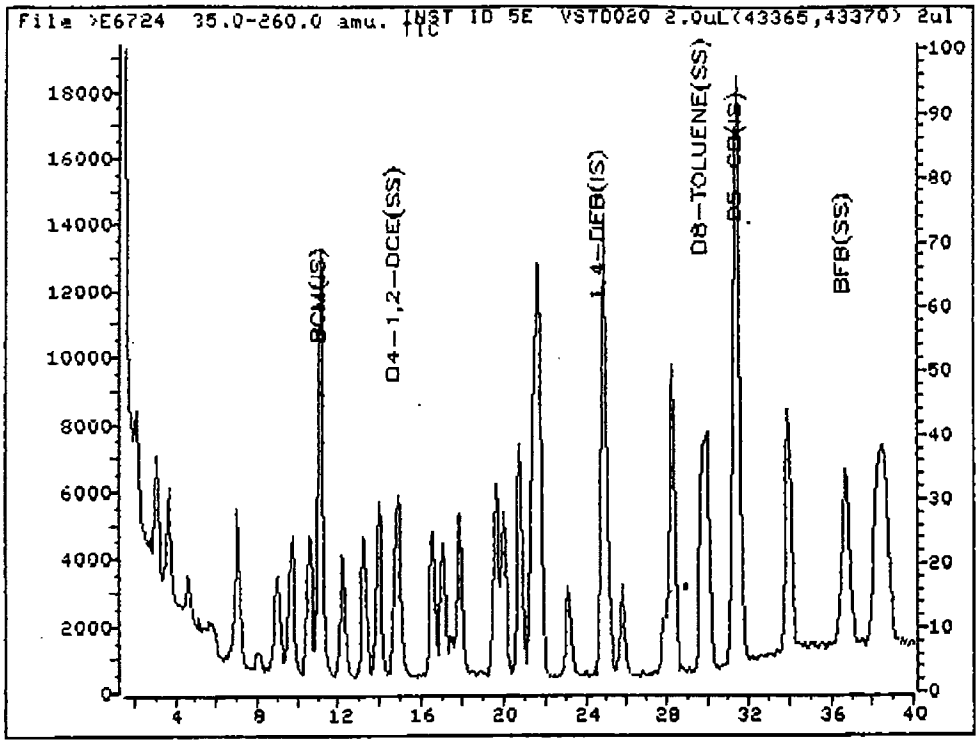
* Compound is ISTD



Data File: >E6724::DA Quant Output File: ^E6724::QT
Name: INST ID 5E VSTD020
Misc: 2.0uL(43365,43370) 2ul 31645,43262 IS=50ppb 5ul 43363
Quant Time: 890714 21:41 Quant ID File: VOAIDS::07
Injected at: 890714 20:45 Last Calibration: 890712 13:08

Compound No: 15
Compound Name: 2-BUTANONE
Scan Number: 176
Retention Time: 15.04 min.
Quant Ion: 72.0
Area: 768M
Concentration: 12.05 ug/L

This report was produced by QAREA on: 890714 22:17



MS data file header from : >E6724

Sample: INST ID SE VSTD020 Operator: TERMINAL60MS 7/14/89 20:45
Misc : 2.0uL(43365,43370) 2ul 31645,43262 IS=50ppb 5ul 43363
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAMES Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0.

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

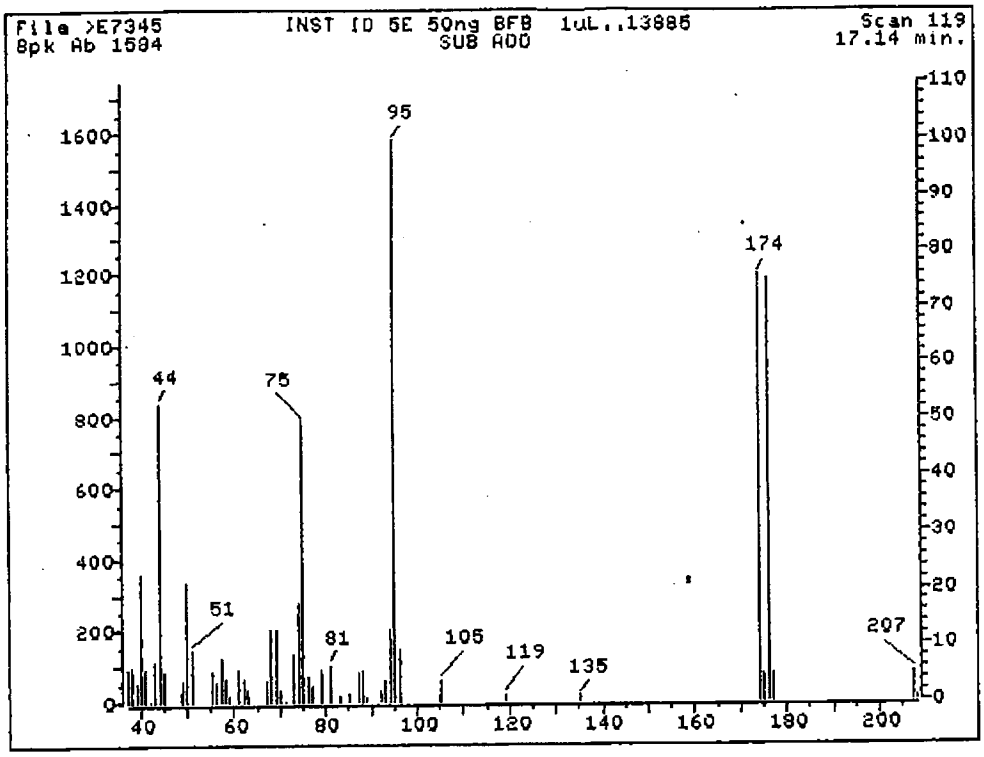
GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	21.34	21.34	Ok
75	30-60% of mass 95	49.68	49.68	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.96	8.96	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	75.57	75.57	Ok
175	5-9% of mass 174	4.73	6.27	Ok
176	95-101% of mass 174	74.75	98.91	Ok
177	5-9% of mass 176	4.80	6.42	Ok

Injection Date: 08/30/89
Injection Time: 15:42
Data File: >E7345
Scan: 119+120-112

8-30-89



+120-112
@ 8-30-89

MS data file header from : >E7345

Sample: INST ID 5E 50ng BFB Operator: TERMINAL62MS 8/30/89 15:42
Misc : 1uL,,13885
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BFBME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	.5	10.8	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	0.0	0.0

>E7345 INST ID 5E 50ng BFB 1uL,,13885
119 H20-112 SUB ADD NRM
@ 8-30-89

File: >E7345 Scan #: 119 Retn. time: 17.14

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	5.808	50.10	21.338	68.10	12.626	81.10	6.503	104.85	1.136
38.10	6.187	51.10	9.154	69.10	12.879	83.10	1.199	105.25	3.851
39.20	3.409	55.20	5.366	69.90	1.831	85.10	1.263	119.05	1.136
40.10	22.412	56.10	3.535	70.20	1.894	87.10	5.240	135.25	.947
41.10	5.808	57.20	7.639	71.20	.126	88.20	5.366	174.10	75.568
42.10	.063	58.10	4.104	73.10	8.333	89.00	.758	175.10	4.735
43.10	7.071	59.00	.947	74.10	17.487	92.10	2.210	176.10	74.747
44.10	52.778	61.10	5.619	75.10	49.684	93.10	3.851	177.10	4.798
45.10	5.492	62.10	4.230	76.10	4.356	94.20	12.942	207.20	5.114
48.80	1.641	63.10	1.957	77.10	2.652	95.10	100.000	208.20	.694
49.20	3.851	67.20	3.851	79.00	5.745	96.10	8.965		

Calibration Check Report

Title: VOLATILES BY USEPA SOW REV. 1/88
Calibrated: 890714 22:46

Check Standard Data File:)C7346
Injection Time: 890830 16:44

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
CHLOROMETHANE	.90912	.90611	.33	Average
BROMOMETHANE	1.29994	1.38214	6.32	Average
VINYL CHLORIDE	1.13425	1.01401	10.60	Average
CHLOROETHANE	.83275	.74032	11.10	Average
METHYLENE CHLORIDE	1.60543	1.39270	13.25	Average
ACETONE	.15000	.32383	28.04	Average
CARBON DISULFIDE	3.89141	3.76218	3.32	Average
1,1-DICHLOROETHENE	1.32674	1.36632	2.98	Average
1,1-DICHLOROETHANE	2.92309	2.69488	7.81	Average
1,2-DICHLOROETHENE (TOTAL)	1.35480	1.33281	1.62	Average
CHLOROFORM	3.09246	2.96425	4.15	Average
d4-1,2-DICHLOROETHANE(SS)	1.71870	1.65669	3.61	Average
1,2-DICHLOROETHANE	2.03376	1.95935	3.66	Average
2-BUTANONE	.10373	.09326	10.09	Average
1,1,1-TRICHLOROETHANE	.65390	.65238	.23	Average
CARBON TETRACHLORIDE	.55380	.61510	11.07	Average
VINYL ACETATE	.61523	.55629	9.58	Average
BROMODICHLOROMETHANE	.80231	.76222	5.00	Average
1,2-DICHLOROPROPANE	.54356	.45913	15.53	Average
CIS-1,3-DICHLOROPROPENE	.70393	.61784	12.23	Average
TRICHLOROETHENE	.50204	.47514	5.36	Average
DIBROMOCHLOROMETHANE	.65991	.64315	2.54	Average
1,1,2-TRICHLOROETHANE	.44436	.38943	12.36	Average
BENZENE	1.13066	.95894	15.19	Average
TRANS-1,3-DICHLOROPROPENE	.62465	.55136	11.73	Average
BROMOFORM	.30726	.35181	14.51	Average
4-METHYL-2-PENTANONE	.68911	.46260	32.87	Average
2-HEXANONE	.42993	.31528	26.67	Average
TETRACHLOROETHENE	.43329	.42237	2.52	Average
1,1,2,2-TETRACHLOROETHANE	.72299	.58065	19.69	Average
d8-TOLUENE(SS)	1.17447	1.12754	4.00	Average
TOLUENE	.81470	.70804	13.09	Average
CHLOROBENZENE	1.03935	.93769	9.78	Average
ETHYLBENZENE	.52704	.45898	12.91	Average
4-BROMOFLUOROBENZENE(SS)	.81425	.80610	1.00	Average
STYRENE	1.09073	.91027	16.54	Average
TOTAL XYLENES	.66471	.58728	11.65	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

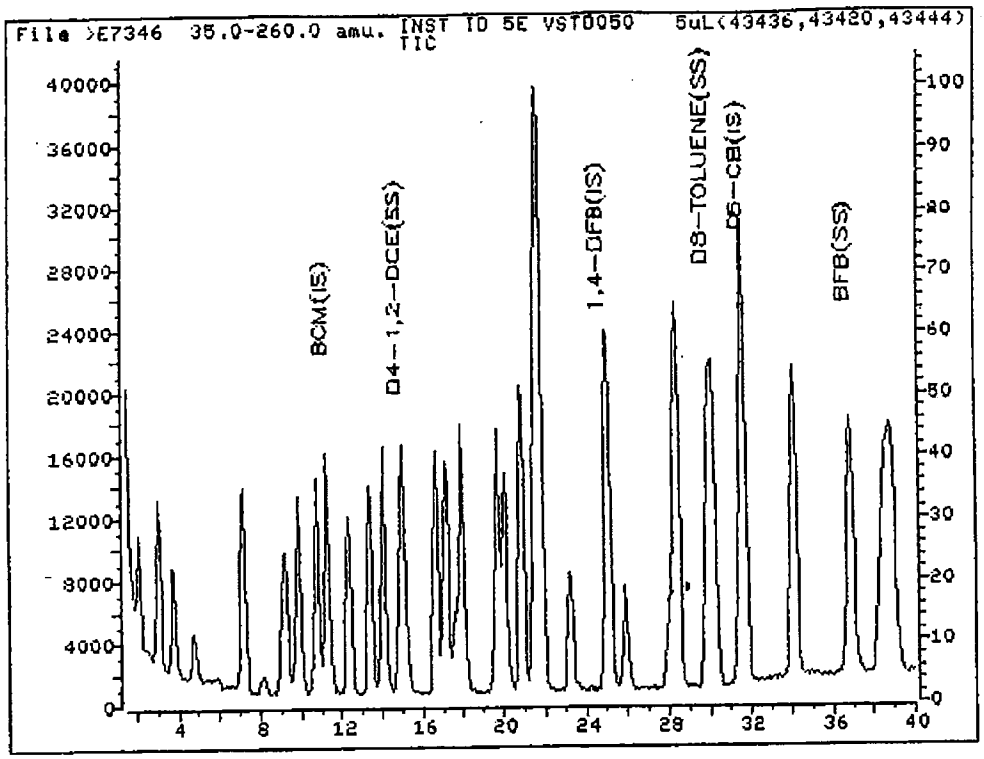
QUANT REPORT

Operator ID: TERMINAL02 Quant Rev: 0 Quant Time: 890830 15:16
Output File: DE7346::QT Injected at: 890830 15:44
Data File: DE7346::DE Dilution Factor: 1.00000
Name: INST ID 8E VSTD050
Misc: Run:43436,43423,43444 IS RF=50 47419,47419

ID File: DCAIQT.IT
Title: CLP/PLEE 8 .65MM DB5 PE . 1 88
Last Calibration: 890830 08:16

	Compound	R.T.	Scan#	Area	Conc	Units	%
1	*BROMOCHLOROMETHANE(IS)	11.16	137	33626	50.00	ug/L	99
2	CHLOROMETHANE	2.09	8	30469	50.00	ug/L	96
3	BROMOMETHANE	3.01	20	46476	50.00	ug/L	19
4	VINYL CHLORIDE	3.78	30	34097	50.00	ug/L	99
5	CHLOROETHANE	4.79	43	24294	50.00	ug/L	92
6	METHYLENE CHLORIDE	7.10	73	46831	50.00	ug/L	84
7	ACETONE	8.10	86	10889	50.00	ug/L	69
8	CARBON DISULFIDE	9.18	100	126507	50.00	ug/L	61
9	1,1-DICHLOROETHENE	10.72	120	45944	50.00	ug/L	92
10	1,1-DICHLOROETHANE	12.34	141	90618	50.00	ug/L	93
11	1,2-DICHLOROETHENE (TOTAL)	13.35	154	44817	50.00	ug/L	97
12	CHLOROFORM	14.04	163	99676	50.00	ug/L	93
13	2A-1,2-DICHLOROETHANE-S8	14.39	174	55700	50.00	ug/L	100
14	1,2-DICHLOROETHANE	15.04	176	65835	50.00	ug/L	96
15	2-BUTANONE	15.12	177	3156	50.00	ug/L	81
16	*1,4-DIFLUOROBENZENE(IS)	14.99	305	121963	50.00	ug/L	72
17	1,1,1-TRICHLOROETHANE	16.66	197	79566	50.00	ug/L	95
18	CARBON TETRACHLORIDE	17.12	203	75020	50.00	ug/L	97
19	VINYL ACETATE	17.69	209	67847	50.00	ug/L	130
20	BROMODICHLOROMETHANE	17.90	213	92963	50.00	ug/L	97
21	1,2-DICHLOROPROPANE	19.67	236	55997	50.00	ug/L	84
22	CIS-1,3-DICHLOROPROPENE	20.05	241	75354	50.00	ug/L	100
23	TRICHLOROETHENE	20.33	251	57949	50.00	ug/L	93
24	DIBROMOCHLOROMETHANE	21.60	261	78441	50.00	ug/L	97
25	1,1,2-TRICHLOROETHANE	21.75	263	47496	50.00	ug/L	93
26	BENZENE	21.52	260	116955	50.00	ug/L	100
27	TRANS-1,3-DICHLOROPROPENE	21.75	263	67245	50.00	ug/L	100
28	BROMOFORM	25.14	307	42911	50.00	ug/L	97
29	*4F-CHLOROBENZENE(IS)	31.47	389	102723	50.00	ug/L	130
30	4-METHYL-2-PENTANONE	25.91	317	47520	50.00	ug/L	94
31	2-HEXANONE	28.00	344	32396	50.00	ug/L	95
32	TETRACHLOROETHENE	28.38	349	43397	50.00	ug/L	77
33	1,1,2,2-TETRACHLOROETHANE	28.83	347	59646	50.00	ug/L	91
34	2A-TOLUENE(SS)	29.92	369	115824	50.00	ug/L	95
35	TOLUENE	30.16	372	72732	50.00	ug/L	89
36	CHLOROBENZENE	31.62	391	96322	50.00	ug/L	98
37	ETHYLBENZENE	34.09	423	47148	50.00	ug/L	91
38	4-BROMOFLUOROBENZENE(SS)	36.86	459	82805	50.00	ug/L	97
39	STYRENE	36.19	466	73506	50.00	ug/L	82
40	TOTAL XYLENES	38.37	486	60327	50.00	ug/L	97

* Compound is ISTD



MS data file header from : >E7346

Sample: INST ID 5E VSTD050 Operator: TERMINAL62MS 8/30/89 16:44
Misc : 5uL(43436,43420,43444) IS/SS=50(43418,43419)
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

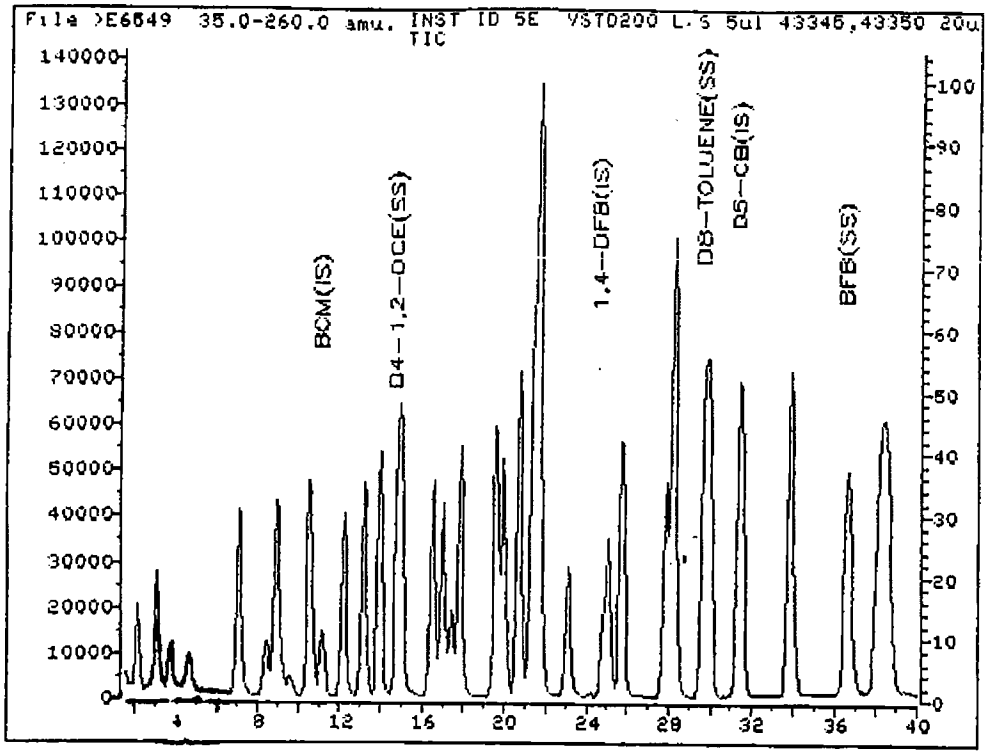
Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	11.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	19.42	19.42	Ok
75	30-60% of mass 95	54.74	54.74	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	5.96	5.96	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	73.09	73.09	Ok
175	5-9% of mass 174	6.27	8.58	Ok
176	95-101% of mass 174	70.18	96.03	Ok
177	5-9% of mass 176	5.05	7.19	Ok

Injection Date: 06/26/89
Injection Time: 00:57
Data File: >E6543
Scan: 117-125
mm06/26/89



MS data file header from : >E6549

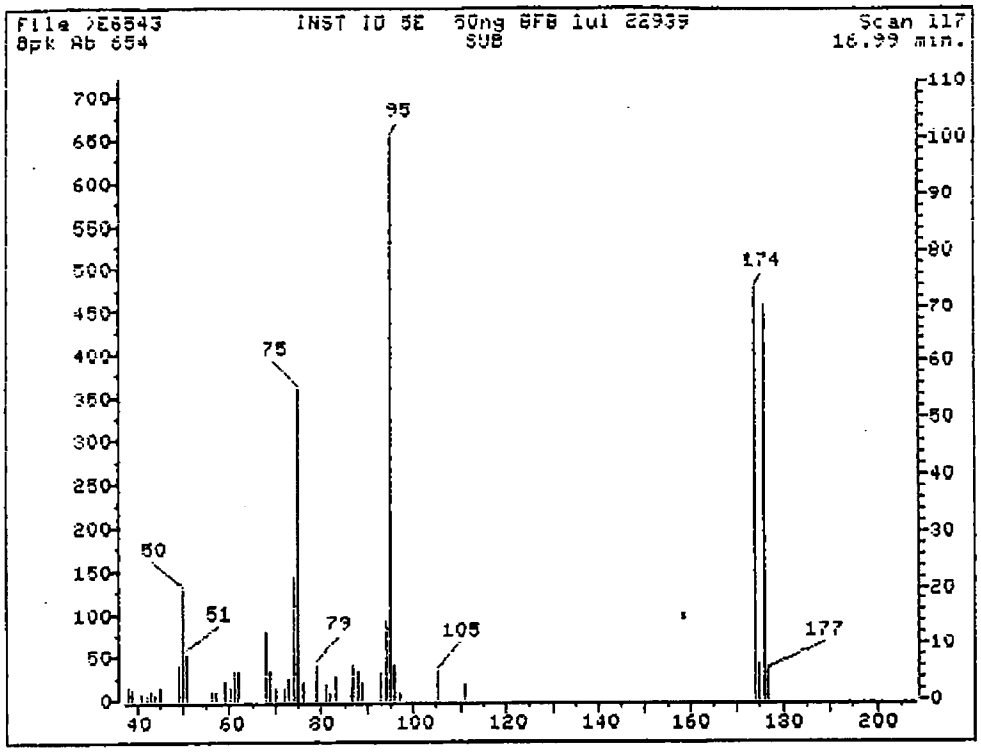
Sample: INST ID 5E VSTD200 Operator: TERMINAL62MS 6/26/89 9:22
Misc : L/S 5ul 43345,43350 20ul 31518,43257 IS=50 5ul 43258
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAMES Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

>E6543 INST ID 5E 50ng BFB 1ul 22939
117 SUB NRM

File: >E6543 Scan #: 117 Retn. time: 16.99

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.00	7.034	50.10	19.419	69.00	5.199	82.00	1.070	96.00	5.963
38.00	1.988	51.00	8.104	70.10	1.988	83.00	3.976	97.00	.917
39.10	1.835	56.10	1.376	72.10	1.988	86.20	1.988	105.05	5.046
41.10	1.070	57.10	1.529	73.00	3.670	87.00	6.116	111.15	2.599
42.20	.306	59.00	3.517	74.00	21.865	88.00	5.199	173.90	73.089
43.10	1.529	60.10	2.141	75.00	54.740	89.00	2.905	175.00	6.269
44.00	.765	61.00	5.199	76.00	3.058	93.00	4.587	175.90	70.183
45.00	1.988	62.00	5.046	78.90	6.116	94.00	14.220	176.90	5.046
49.10	5.963	68.00	12.080	81.00	2.599	95.00	100.000	218.90	.153



MS data file header from : >E6543

Sample: INST ID 5E 50ng BFB Operator: TERMINAL60MS 6/26/89 0:57
Misc : 1ul 22939
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BFBMES Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	.5	10.8	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	0.0	0.0

Calibration Report

Title: VOLATILES IN SOIL BY USEPA SOW REV. 1/88
Calibrated: 890627 01:23

Compound	Files:)E6546 RF 20.00	)E6545 RF 50.00	)E6547 RF 100.00	)E6548 RF 150.00	)E6549 RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD
CHLOROMETHANE	1.01933	1.07507	.93172	.95534	.99016	.188	.99433	5.645
BROMOMETHANE	1.35287	1.28605	1.19620	1.11991	1.11086	.272	1.21318	8.673
VINYL CHLORIDE	1.24013	1.21577	1.12074	.79956	.75040	.334	1.02532	22.772
CHLOROETHANE	.89741	.89458	.85763	.82235	.54127	.417	.80265	18.601
METHYLENE CHLORIDE	1.46423	1.56582	1.40125	1.40806	1.34271	.631	1.43641	5.860
ACETONE	1.49958	1.14550	1.09755	1.08875	1.30093	.734	1.22646	14.256
CARBON DISULFIDE	3.58654	4.51945	3.94654	4.15774	4.14907	.804	4.07187	8.373
1,1-DICHLOROETHENE	1.24353	1.48018	1.29969	1.34336	1.31528	.950	1.33641	6.602
1,1-DICHLOROETHANE	2.72658	3.08736	2.88376	2.96103	2.85177	1.097	2.90210	4.606
1,2-DICHLOROETHENE (TOTAL)	1.23976	1.38818	1.30055	1.34232	1.30462	1.186	1.31509	4.179
CHLOROFORM	2.71547	3.06388	2.89999	2.95111	2.80411	1.257	2.88691	4.643
d4-1,2-DICHLOROETHANE(SS)	1.73773	1.62738	1.64565	1.62308	1.58181	1.332	1.65313	3.552
1,2-DICHLOROETHANE	1.83660	1.98175	1.92022	1.91139	1.78901	1.340	1.88779	4.001
2-BUTANONE	.31049	.34511	.34840	.36753	.41827	1.345	.35796	11.033
1,1,1-TRICHLOROETHANE	.53608	.61191	.57031	.57929	.55351	.666	.57022	5.010
CARBON TETRACHLORIDE	.44316	.51631	.48763	.48389	.47002	.686	.48020	5.557
VINYL ACETATE	.46090	.32967	.57086	.44129	.53343	.702	.46723	19.951
BROMODICHLOROMETHANE	.65649	.75329	.70721	.72586	.69794	.718	.70816	5.055
1,2-DICHLOROPROPANE	.49229	.55369	.49970	.52784	.50493	.789	.51569	4.858
CIS-1,3-DICHLOROPROPENE	.62483	.71381	.66920	.69783	.66572	.803	.67428	5.063
TRICHLOROETHENE	.44131	.49675	.44910	.47109	.45432	.835	.46251	4.764
DIBROMOCHLOROMETHANE	.51755	.61793	.57748	.60245	.57147	.868	.57738	6.645
1,1,2-TRICHLOROETHANE	.40913	.46604	.42415	.42869	.40445	.873	.42649	5.697
BENZENE	1.02446	1.13438	1.03867	1.07097	1.03078	.860	1.05985	4.278
TRANS-1,3-DICHLOROPROPENE	.54981	.64261	.60172	.61269	.57609	.873	.59658	5.933
BROMOFORM	.24081	.33411	.30309	.34934	.32269	1.011	.31001	13.614
4-METHYL-2-PENTANONE	1.07255	1.16798	1.17719	1.19133	1.23460	.823	1.16873	5.093
2-HEXANONE	.85950	.96192	.93173	.97468	1.04906	.889	.95538	7.203
TETRACHLOROETHENE	.36016	.40858	.38838	.38728	.36840	.902	.38256	4.952
1,1,2,2-TETRACHLOROETHANE	.74039	.80981	.84326	.81403	.77994	.899	.79749	4.892
d8-TOLUENE(SS)	1.27916	1.21783	1.20096	1.21382	1.19421	.918	1.22120	2.766
TOLUENE	.74977	.82820	.78332	.79107	.75589	.957	.78165	4.014
CHLOROBENZENE	.96205	1.05076	1.01143	1.01510	.97521	1.005	1.00291	3.507
ETHYLBENZENE	.46435	.51756	.50016	.50416	.47744	1.081	.49273	4.355
4-BROMOFLUOROBENZENE(SS)	.82804	.75873	.74482	.77091	.75257	1.170	.77102	4.316
STYRENE	.98608	1.08686	1.04846	1.06414	1.00911	1.219	1.03893	3.941
TOTAL XYLENES	.58764	.65045	.64431	.64015	.60431	1.229	.62537	4.432

RF - Response Factor (Subscript is amount in ug/kg)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

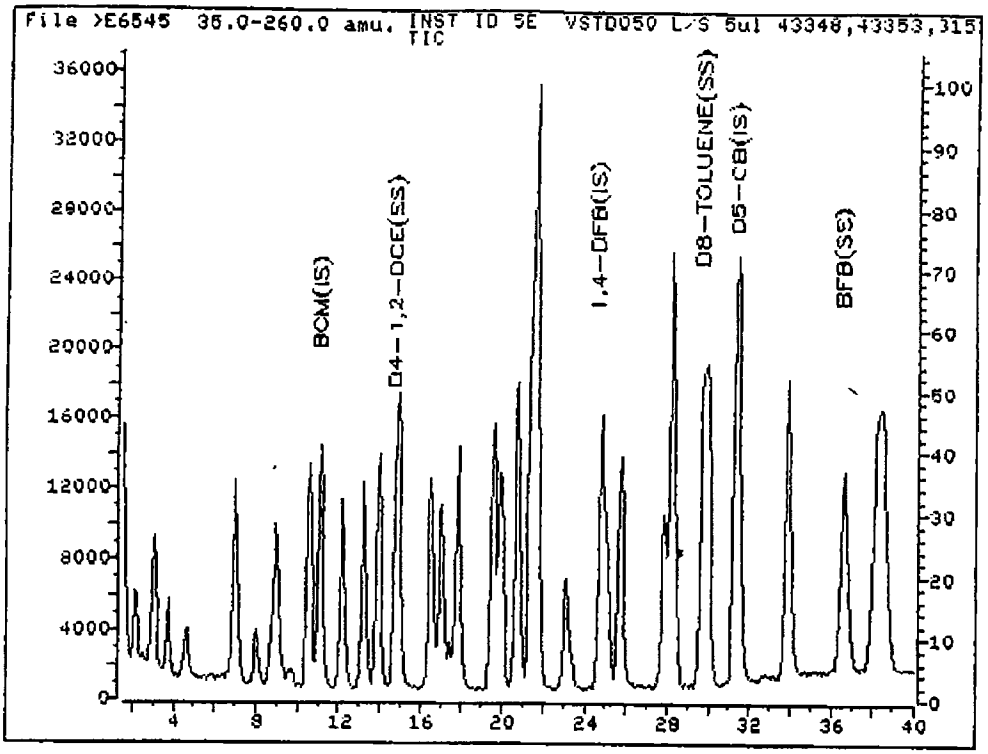
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890626 10:18
Output File: ^E6545::QT Injected at: 890626 04:25
Data File: >E6545::DE Dilution Factor: 1.00000
Name: INST ID SE VSTD050
Misc: L/S Sul 43348,43353,31518 IS/SS=50 Sul 43258,43257

ID File: VOSID5::01
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890626 10:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.11	128.0	27348	50.00	ug/kg	79
2)	CHLOROMETHANE	2.09	50.0	29401	50.00	ug/kg	95
3)	BROMOMETHANE	3.02	94.0	35171	50.00	ug/kg	19
4)	VINYL CHLORIDE	3.71	62.0	33249	50.00	ug/kg	93
5)	CHLOROETHANE	4.64	64.0	24465	50.00	ug/kg	97
6)	METHYLENE CHLORIDE	7.03	84.0	42822	50.00	ug/kg	95
7)	ACETONE	8.03	43.0	31327	50.00	ug/kg	60
8)	CARBON DISULFIDE	8.95	76.0	123598	50.00	ug/kg	61
9)	1,1-DICHLOROETHENE	10.57	96.0	40480	50.00	ug/kg	93
10)	1,1-DICHLOROETHANE	12.19	63.0	84433	50.00	ug/kg	91
11)	1,2-DICHLOROETHENE (TOTAL)	13.19	96.0	37964	50.00	ug/kg	92
12)	CHLOROFORM	13.97	83.0	83791	50.00	ug/kg	92
13)	d4-1,2-DICHLOROETHANE(SS)	14.81	65.0	45873	50.00	ug/kg	100
14)	1,2-DICHLOROETHANE	14.89	62.0	54197	50.00	ug/kg	97
15)	2-BUTANONE	14.97	72.0	9438	50.00	ug/kg	81
16)	*1,4-DIFLUOROBENZENE(IS)	24.84	114.0	99314	50.00	ug/kg	34
17)	1,1,1-TRICHLOROETHANE	16.51	97.0	60771	50.00	ug/kg	87
18)	CARBON TETRACHLORIDE	16.97	117.0	51277	50.00	ug/kg	95
19)	VINYL ACETATE	17.44	43.0	32741	50.00	ug/kg	100
20)	BROMODICHLOROMETHANE	17.82	83.0	74812	50.00	ug/kg	93
21)	1,2-DICHLOROPROPANE	19.52	63.0	54989	50.00	ug/kg	59
22)	CIS-1,3-DICHLOROPROPENE	19.98	75.0	70891	50.00	ug/kg	100
23)	TRICHLOROETHENE	20.67	130.0	49334	50.00	ug/kg	89
24)	DIBROMOCHLOROMETHANE	21.52	129.0	61369	50.00	ug/kg	95
25)	1,1,2-TRICHLOROETHANE	21.68	97.0	46284	50.00	ug/kg	95
26)	BENZENE	21.37	78.0	112660	50.00	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.68	75.0	63820	50.00	ug/kg	95
28)	BROMOFORM	25.07	173.0	33182	50.00	ug/kg	96
29)	*d5-CHLOROBENZENE(IS)	31.32	117.0	79862	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.76	43.0	93277	50.00	ug/kg	94
31)	2-HEXANONE	27.85	43.0	76821	50.00	ug/kg	64
32)	TETRACHLOROETHENE	28.23	164.0	32630	50.00	ug/kg	78
33)	1,1,2,2-TETRACHLOROETHANE	28.15	83.0	64673	50.00	ug/kg	93
34)	d8-TOLUENE(SS)	29.70	98.0	97258	50.00	ug/kg	96
35)	TOLUENE	30.01	92.0	66142	50.00	ug/kg	92
36)	CHLOROBENZENE	31.47	112.0	83916	50.00	ug/kg	90
37)	ETHYLBENZENE	33.86	106.0	41333	50.00	ug/kg	79
38)	4-BROMOFLUOROBENZENE(SS)	36.64	95.0	60594	50.00	ug/kg	86
39)	STYRENE	38.18	104.0	86799	50.00	ug/kg	78
40)	TOTAL XYLENES	38.49	106.0	51946	50.00	ug/kg	71

* Compound is ISTD



MS data file header from : >E6545

Sample: INST ID SE VSTD050 Operator: TERMINAL60MS 6/26/89 4:25
Misc : L/S 5ul 43348,43353,31518 IS/SS=50 5ul 43258,43257
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAMES Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

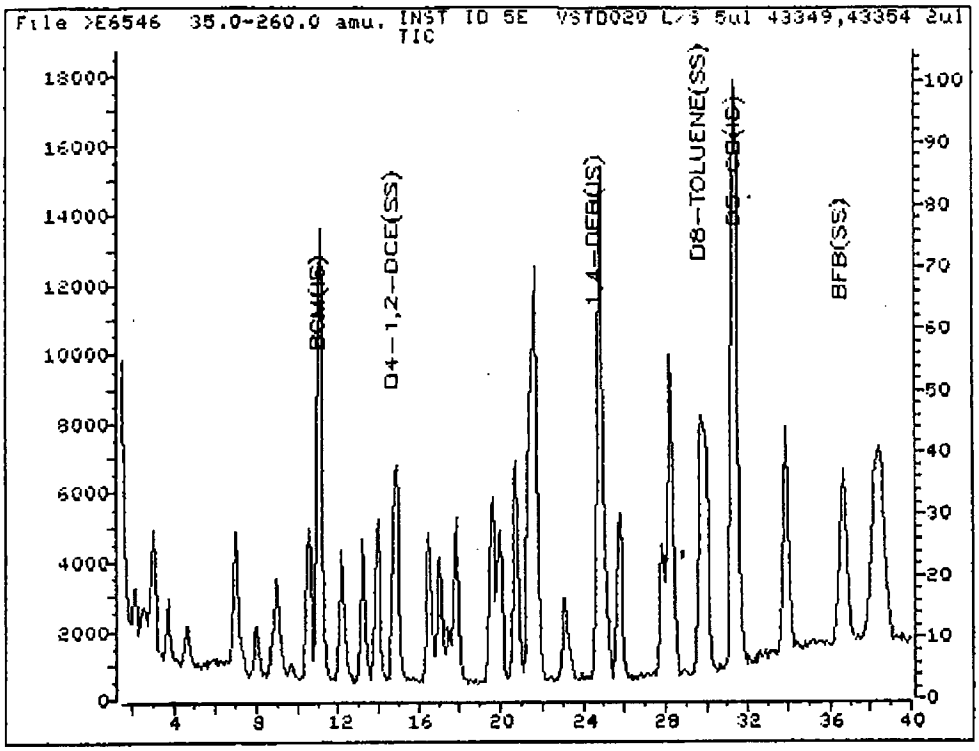
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890626 06:34
Output File: "E6546::QT Injected at: 890626 05:46
Data File: >E6546::DE Dilution Factor: 1.00000
Name: INST ID SE VSTD020
Misc: L/S 5ul 43349,43354 2ul 31518,43257 IS=50 5ul 43258

ID File: VOSID5::D1
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890623 06:27

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.11	128.0	27231	50.00	ug/kg	76
2)	CHLOROMETHANE	2.09	50.0	11103	28.52	ug/kg	96
3)	BROMOMETHANE	3.02	94.0	14736	23.00	ug/kg	19
4)	VINYL CHLORIDE	3.71	62.0	13508	33.86	ug/kg	94
5)	CHLOROETHANE	4.64	64.0	9775	22.76	ug/kg	92
6)	METHYLENE CHLORIDE	6.95	84.0	15949	18.70	ug/kg	90
7)	ACETONE	8.03	43.0	16334	20.40	ug/kg	70
8)	CARBON DISULFIDE	8.95	76.0	39066	19.38	ug/kg	62
9)	1,1-DICHLOROETHENE	10.57	96.0	13545	17.95	ug/kg	92
10)	1,1-DICHLOROETHANE	12.19	63.0	29699	17.88	ug/kg	92
11)	1,2-DICHLOROETHENE (TOTAL)	13.19	96.0	13504	16.95	ug/kg	96
12)	CHLOROFORM	13.97	83.0	29578	16.63	ug/kg	94
13)	d4-1,2-DICHLOROETHANE(SS)	14.81	65.0	18928	21.98	ug/kg	100
14)	1,2-DICHLOROETHANE	14.89	62.0	20005	16.64	ug/kg	98
15)	2-BUTANONE	14.89	72.0	3382	12.33	ug/kg	94
16)	*1,4-DIFLUOROBENZENE(IS)	24.84	114.0	100348	50.00	ug/kg	33
17)	1,1,1-TRICHLOROETHANE	16.51	97.0	21518	15.88	ug/kg	88
18)	CARBON TETRACHLORIDE	17.05	117.0	17788	15.13	ug/kg	99
19)	VINYL ACETATE	17.44	43.0	18500	16.95	ug/kg	100
20)	BROMODICHLOROMETHANE	17.82	83.0	26351	16.81	ug/kg	89
21)	1,2-DICHLOROPROPANE	19.59	63.0	19760	19.72	ug/kg	64
22)	CIS-1,3-DICHLOROPROPENE	19.90	75.0	25080	17.92	ug/kg	100
23)	TRICHLOROETHENE	20.75	130.0	17714	15.64	ug/kg	86
24)	DIBROMOCHLOROMETHANE	21.52	129.0	20774	15.36	ug/kg	99
25)	1,1,2-TRICHLOROETHANE	21.68	97.0	16422	17.48	ug/kg	92
26)	BENZENE	21.37	78.0	41121	18.80	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.68	75.0	22069	17.27	ug/kg	96
28)	BROMOFORM	25.07	173.0	9666	14.15	ug/kg	98
29)	*d5-CHLOROBENZENE(IS)	31.32	117.0	80721	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.76	43.0	34631	18.03	ug/kg	87
31)	2-HEXANONE	27.84	43.0	27752	16.11	ug/kg	64
32)	TETRACHLOROETHENE	28.23	164.0	11629	14.77	ug/kg	77
33)	1,1,2,2-TETRACHLOROETHANE	28.15	83.0	23906	20.53	ug/kg	98
34)	d8-TOLUENE(SS)	29.70	98.0	41302	23.38	ug/kg	97
35)	TOLUENE	30.00	92.0	24209	18.68	ug/kg	89
36)	CHLOROBENZENE	31.47	112.0	31063	18.01	ug/kg	92
37)	ETHYLBENZENE	33.86	106.0	14993	17.91	ug/kg	77
38)	4-BROMOFLUOROBENZENE(SS)	36.64	95.0	26736	21.51	ug/kg	90
39)	STYRENE	38.18	104.0	31839	18.42	ug/kg	73
40)	TOTAL XYLENES	38.49	106.0	18974	17.95	ug/kg	73

* Compound is ISTD



MS data file header from : >E6546

Sample: INST ID SE VSTD020 Operator: TERMINAL60MS 6/26/89 5:46
Misc : L/S 5ul 43349,43354 2ul 31518,43257 IS=50 5ul 43258
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAMES Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

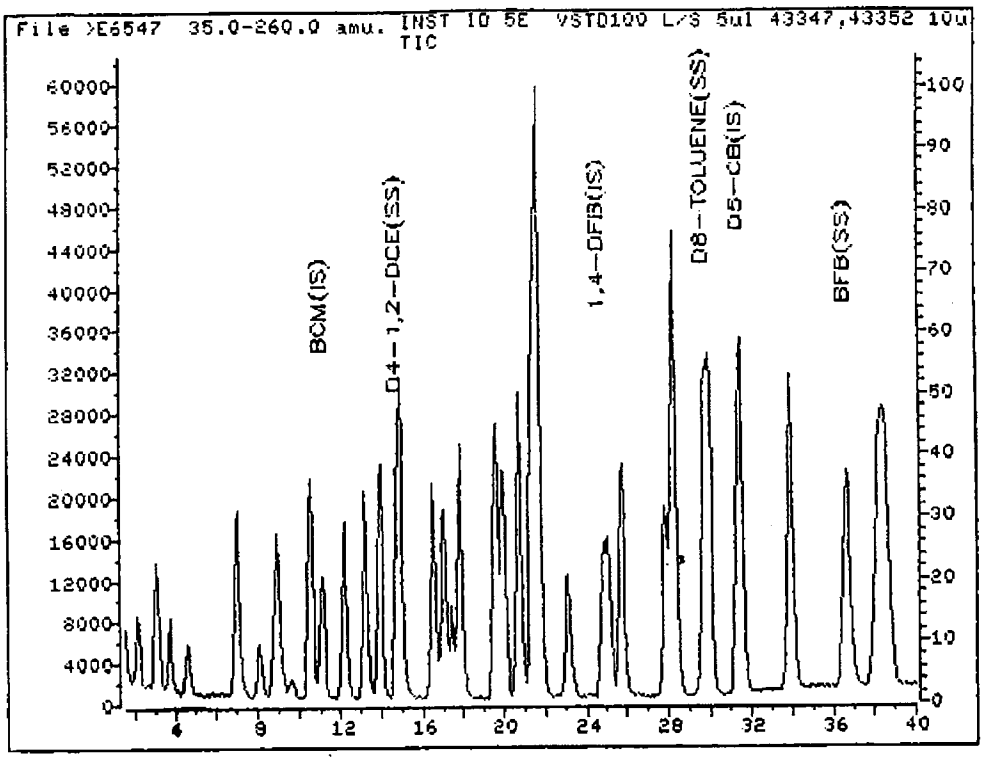
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890626 08:14
Output File: ^E6547::QT Injected at: 890626 07:26
Data File: >E6547::DE Dilution Factor: 1.00000
Name: INST ID 5E VSTD100
Misc: L/S 5ul 43347,43352 10ul 31518,43257 IS=50 5ul 43258

ID File: VOSID5::01
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890623 06:27

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.12	128.0	24562	50.00	ug/kg	78
2)	CHLOROMETHANE	2.10	50.0	45770	130.35	ug/kg	99
3)	BROMOMETHANE	3.02	94.0	58762	101.67	ug/kg	18
4)	VINYL CHLORIDE	3.72	62.0	55055	153.01	ug/kg	96
5)	CHLOROETHANE	4.64	64.0	42130	108.75	ug/kg	95
6)	METHYLENE CHLORIDE	7.03	84.0	68835	89.46	ug/kg	96
7)	ACETONE	8.11	43.0	53916	74.66	ug/kg	64
8)	CARBON DISULFIDE	8.96	76.0	193870	106.61	ug/kg	62
9)	1,1-DICHLOROETHENE	10.58	96.0	63846	93.81	ug/kg	95
10)	1,1-DICHLOROETHANE	12.20	63.0	141662	94.55	ug/kg	90
11)	1,2-DICHLOROETHENE (TOTAL)	13.20	96.0	63888	88.89	ug/kg	95
12)	CHLOROFORM	13.97	83.0	142459	88.78	ug/kg	88
13)	d4-1,2-DICHLOROETHANE(SS)	14.82	65.0	80841	104.09	ug/kg	100
14)	1,2-DICHLOROETHANE	14.90	62.0	94329	87.01	ug/kg	97
15)	2-BUTANONE	14.97	72.0	17115	69.19	ug/kg	80
16)	*1,4-DIFLUOROBENZENE(IS)	24.84	114.0	91473	50.00	ug/kg	33
17)	1,1,1-TRICHLOROETHANE	16.52	97.0	104336	84.48	ug/kg	91
18)	CARBON TETRACHLORIDE	17.05	117.0	89210	83.24	ug/kg	94
19)	VINYL ACETATE	17.44	43.0	104436	104.94	ug/kg	100
20)	BROMODICHLOROMETHANE	17.83	83.0	129382	90.53	ug/kg	99
21)	1,2-DICHLOROPROPANE	19.60	63.0	91419	100.10	ug/kg	64
22)	CIS-1,3-DICHLOROPROPENE	19.91	75.0	122427	95.99	ug/kg	100
23)	TRICHLOROETHENE	20.76	130.0	82161	79.58	ug/kg	87
24)	DIBROMOCHLOROMETHANE	21.53	129.0	105647	85.68	ug/kg	94
25)	1,1,2-TRICHLOROETHANE	21.68	97.0	77596	90.61	ug/kg	94
26)	BENZENE	21.37	78.0	190020	95.32	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.68	75.0	110082	94.49	ug/kg	96
28)	BROMOFORM	25.07	173.0	55449	89.06	ug/kg	99
29)	*d5-CHLOROBENZENE(IS)	31.32	117.0	73273	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.77	43.0	172513	98.92	ug/kg	94
31)	2-HEXANONE	27.85	43.0	136542	87.34	ug/kg	75
32)	TETRACHLOROETHENE	28.31	164.0	56916	79.61	ug/kg	74
33)	1,1,2,2-TETRACHLOROETHANE	28.16	83.0	123576	116.90	ug/kg	94
34)	d8-TOLUENE(SS)	29.70	98.0	175996	109.77	ug/kg	98
35)	TOLUENE	29.93	92.0	114792	97.59	ug/kg	91
36)	CHLOROBENZENE	31.48	112.0	148221	94.69	ug/kg	91
37)	ETHYLBENZENE	33.87	106.0	73297	96.45	ug/kg	81
38)	4-BROMOFLUOROBENZENE(SS)	36.64	95.0	109151	96.73	ug/kg	90
39)	STYRENE	38.19	104.0	153648	97.90	ug/kg	75
40)	TOTAL XYLENES	38.57	106.0	94421	98.43	ug/kg	66

* Compound is ISTD



MS data file header from : >E6547

Sample: INST ID 5E VSTD100 Operator: TERMINAL60MS 6/26/89 7:26
Misc : L/S 5ul 43347,43352 10ul 31518,43257 IS=50 5ul 43258
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

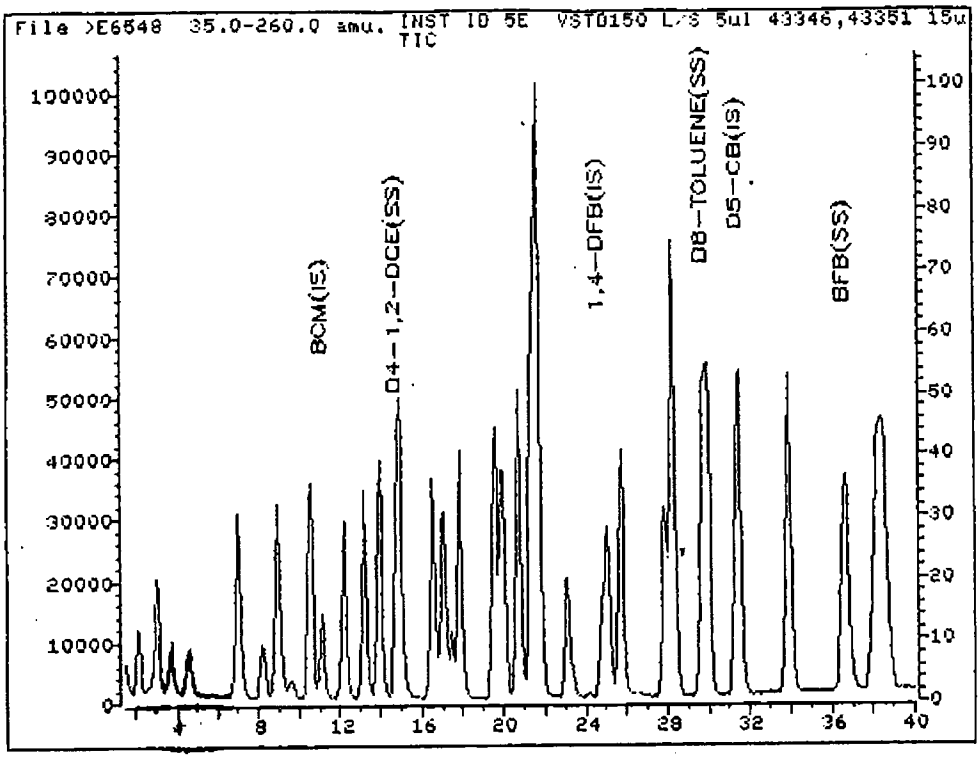
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890626 09:07
Output File: ^E6548::QT Injected at: 890626 08:19
Data File: >E6548::DE Dilution Factor: 1.00000
Name: INST ID 5E VSTD150
Misc: L/S 5ul 43346,43351 15ul 31518,43257 IS=50 5ul 43258

ID File: VOSID5::01
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890623 08:27

	Compound	R.T.	Q ion	Area	Conc	Units	Q
1)	*BROMOCHLOROMETHANE(IS)	11.12	128.0	27227	50.00	ug/kg	75
2)	CHLOROMETHANE	2.09	50.0	78033	200.47	ug/kg	97
3)	BROMOMETHANE	3.02	94.0	91475	142.78	ug/kg	18
4)	VINYL CHLORIDE	3.71	62.0	65309	163.75	ug/kg	97
5)	CHLOROETHANE	4.64	64.0	67170	156.41	ug/kg	98
6)	METHYLENE CHLORIDE	7.03	84.0	115012	134.84	ug/kg	96
7)	ACETONE	8.18	43.0	88930	111.09	ug/kg	69
8)	CARBON DISULFIDE	8.96	76.0	339608	168.47	ug/kg	60
9)	1,1-DICHLOROETHENE	10.58	96.0	109727	145.44	ug/kg	92
10)	1,1-DICHLOROETHANE	12.19	63.0	241860	145.62	ug/kg	93
11)	1,2-DICHLOROETHENE (TOTAL)	13.20	96.0	109642	137.62	ug/kg	94
12)	CHLOROFORM	13.97	83.0	241050	135.52	ug/kg	91
13)	d4-1,2-DICHLOROETHANE(SS)	14.82	65.0	132575	154.00	ug/kg	100
14)	1,2-DICHLOROETHANE	14.89	62.0	156124	129.92	ug/kg	93
15)	2-BUTANONE	14.97	72.0	30020	109.49	ug/kg	77
16)	*1,4-DIFLUOROBENZENE(IS)	24.76	114.0	101197	50.00	ug/kg	30
17)	1,1,1-TRICHLOROETHANE	16.51	97.0	175866	128.72	ug/kg	91
18)	CARBON TETRACHLORIDE	17.05	117.0	146905	123.91	ug/kg	96
19)	VINYL ACETATE	17.44	43.0	133972	121.68	ug/kg	100
20)	BROMODICHLOROMETHANE	17.82	83.0	220365	139.38	ug/kg	91
21)	1,2-DICHLOROPROPANE	19.60	63.0	160249	158.60	ug/kg	62
22)	CIS-1,3-DICHLOROPROPENE	19.91	75.0	211854	150.14	ug/kg	100
23)	TRICHLOROETHENE	20.68	130.0	143018	125.22	ug/kg	88
24)	DIBROMOCHLOROMETHANE	21.53	129.0	182899	134.08	ug/kg	94
25)	1,1,2-TRICHLOROETHANE	21.68	97.0	130147	137.38	ug/kg	93
26)	BENZENE	21.29	78.0	325138	147.42	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.68	75.0	186007	144.32	ug/kg	97
28)	BROMOFORM	25.07	173.0	106055	153.98	ug/kg	97
29)	*d5-CHLOROBENZENE(IS)	31.32	117.0	81915	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.77	43.0	292764	150.16	ug/kg	95
31)	2-HEXANONE	27.85	43.0	239522	137.05	ug/kg	64
32)	TETRACHLOROETHENE	28.24	164.0	95173	119.08	ug/kg	80
33)	1,1,2,2-TETRACHLOROETHANE	28.16	83.0	200045	169.27	ug/kg	93
34)	d8-TOLUENE(SS)	29.70	98.0	298289	166.42	ug/kg	96
35)	TOLUENE	29.93	92.0	194401	147.84	ug/kg	89
36)	CHLOROBENZENE	31.47	112.0	249455	142.55	ug/kg	90
37)	ETHYLBENZENE	33.87	106.0	123895	145.84	ug/kg	79
38)	4-BROMOFLUOROBENZENE(SS)	36.64	95.0	189448	150.17	ug/kg	86
39)	STYRENE	38.18	104.0	261507	149.05	ug/kg	73
40)	TOTAL XYLENES	38.49	106.0	157314	146.69	ug/kg	71

* Compound is ISTD



MS data file header from : >E6548

Sample: INST ID 5E VSTD150 Operator: TERMINAL60MS 6/26/89 8:19
Misc : L/S 5ul 43346,43351 15ul 31518,43257 IS=50 5ul 43258
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	14.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

QUANT REPORT

Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890626 10:10
Output File: ^E6549::QT Injected at: 890626 09:22
Data File: >E6549::DE Dilution Factor: 1.00000
Name: INST ID SE VSTD200
Misc: L/S 5ul 43345,43350 20ul 31518,43257 IS=50 5ul 43258

ID File: VOSIDS::D1
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890623 06:27

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.13	128.0	29128	50.00	ug/kg	79
2)	CHLOROMETHANE	2.11	50.0	115366	277.04	ug/kg	99
3)	BROMOMETHANE	3.04	94.0	129429	188.84	ug/kg	18
4)	VINYL CHLORIDE	3.73	62.0	87431	204.90	ug/kg	96
5)	CHLOROETHANE	4.66	64.0	63065	137.27	ug/kg	99
6)	METHYLENE CHLORIDE	7.05	84.0	156442	171.44	ug/kg	98
7)	ACETONE	8.43	43.0	151574	176.99	ug/kg	58
8)	CARBON DISULFIDE	8.90	76.0	483416	224.16	ug/kg	61
9)	1,1-DICHLOROETHENE	10.52	96.0	153246	189.87	ug/kg	89
10)	1,1-DICHLOROETHANE	12.21	63.0	332266	187.00	ug/kg	89
11)	1,2-DICHLOROETHENE (TOTAL)	13.14	96.0	152004	178.34	ug/kg	98
12)	CHLOROFORM	13.99	83.0	326712	171.69	ug/kg	98
13)	d4-1,2-DICHLOROETHANE(SS)	14.76	65.0	184300	200.11	ug/kg	100
14)	1,2-DICHLOROETHANE	14.91	62.0	208441	162.13	ug/kg	99
15)	2-BUTANONE	14.99	72.0	48734	166.14	ug/kg	82
16)	*1,4-DIFLUOROBENZENE(IS)	24.78	114.0	107903	50.00	ug/kg	32
17)	1,1,1-TRICHLOROETHANE	16.53	97.0	238902	163.99	ug/kg	90
18)	CARBON TETRACHLORIDE	16.99	117.0	202866	160.48	ug/kg	94
19)	VINYL ACETATE	17.38	43.0	230233	196.12	ug/kg	100
20)	BROMODICHLOROMETHANE	17.84	83.0	301238	178.69	ug/kg	95
21)	1,2-DICHLOROPROPANE	19.54	63.0	217935	202.29	ug/kg	62
22)	CIS-1,3-DICHLOROPROPENE	19.92	75.0	287332	190.98	ug/kg	100
23)	TRICHLOROETHENE	20.70	130.0	196092	161.02	ug/kg	80
24)	DIBROMOCHLOROMETHANE	21.54	129.0	246655	169.58	ug/kg	98
25)	1,1,2-TRICHLOROETHANE	21.62	97.0	174567	172.81	ug/kg	95
26)	BENZENE	21.31	78.0	444899	189.19	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.62	75.0	248649	180.93	ug/kg	93
28)	BROMOFORM	25.09	173.0	139277	189.65	ug/kg	97
29)	*d5-CHLOROBENZENE(IS)	31.34	117.0	87254	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.79	43.0	430894	207.48	ug/kg	95
31)	2-HEXANONE	27.87	43.0	366140	196.68	ug/kg	64
32)	TETRACHLOROETHENE	28.25	164.0	128577	151.03	ug/kg	79
33)	1,1,2,2-TETRACHLOROETHANE	28.18	83.0	272213	216.24	ug/kg	94
34)	d8-TOLUENE(SS)	29.72	98.0	416800	218.31	ug/kg	96
35)	TOLUENE	29.95	92.0	263818	188.35	ug/kg	92
36)	CHLOROBENZENE	31.49	112.0	340364	182.60	ug/kg	91
37)	ETHYLBENZENE	33.88	106.0	166634	184.14	ug/kg	79
38)	4-BROMOFLUOROBENZENE(SS)	36.66	95.0	262659	195.47	ug/kg	94
39)	STYRENE	38.13	104.0	352197	188.45	ug/kg	76
40)	TOTAL XYLENES	38.51	106.0	210913	184.63	ug/kg	72

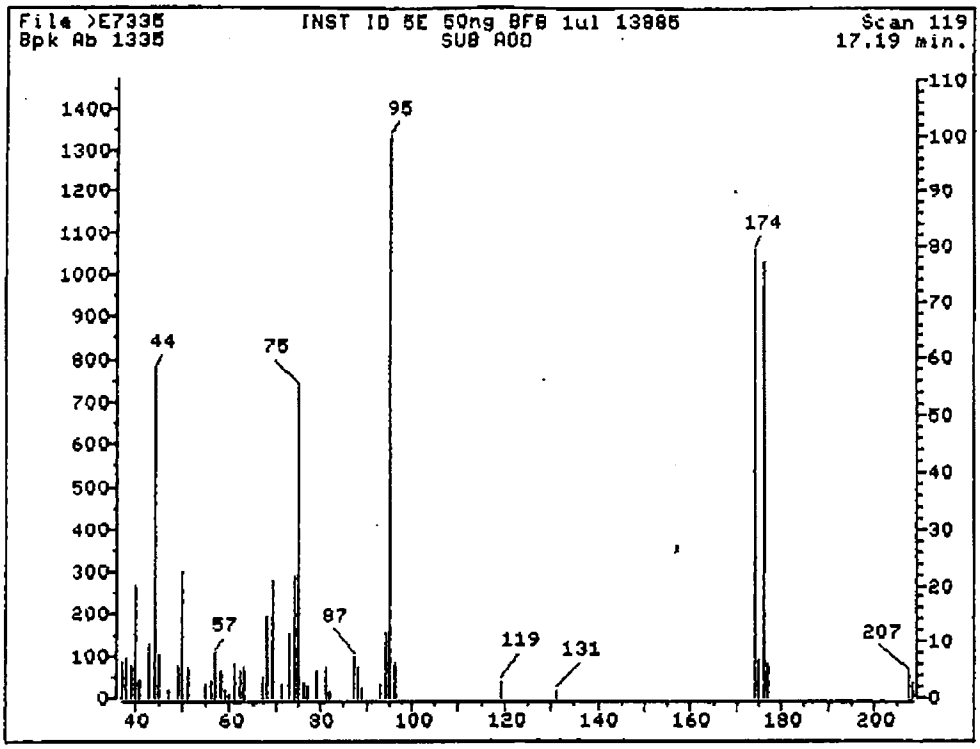
* Compound is ISTD

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	22.55	22.55	Ok
75	30-60% of mass 95	54.61	54.61	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.07	6.07	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	79.25	79.25	Ok
175	5-9% of mass 174	6.74	8.51	Ok
176	95-101% of mass 174	77.08	97.26	Ok
177	5-9% of mass 176	5.92	7.68	Ok

Injection Date: 08/30/89
Injection Time: 03:10
Data File: >E7335
Scan: 119



MS data file header from : >E7335

Sample: INST ID SE 50ng BFB Operator: BETSY MS 8/30/89 3:10
Misc : 1ul 13885
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BFBME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	.5	10.8	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	0.0	0.0

>E7335 INST ID 5E 50ng BFB 1ul 13885
119 SUB ADD NRM

File: >E7335 Scan #: 119 Retn. time: 17.19

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	6.442	50.10	22.547	63.10	5.243	78.90	4.644	96.10	6.067
38.00	6.966	51.10	5.543	67.20	3.596	81.00	5.318	119.05	2.772
39.20	5.843	55.10	2.247	68.10	14.532	82.10	1.124	131.15	1.124
40.10	20.075	56.00	3.071	69.10	20.749	87.10	7.341	174.10	79.251
41.10	2.921	57.10	7.940	71.10	2.397	88.10	5.468	175.10	6.742
43.20	9.288	58.10	4.644	73.10	11.610	89.10	1.648	176.10	77.079
44.10	57.978	59.10	1.348	74.10	22.022	93.10	2.322	177.10	5.918
45.10	7.790	59.90	.749	75.10	54.607	94.10	11.685	207.20	4.345
47.10	1.273	61.10	5.993	76.10	2.772	95.10	100.000	208.20	2.622
49.10	5.693	62.10	4.569	77.00	2.172				

Calibration Check Report

Title: VOLATILES IN SOIL BY USEPA SOW REV. 1/88
Calibrated: 890627 01:23

Check Standard Data File:)E7336
Injection Time: 890830 05:06

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
CHLOROMETHANE	.99433	.77576✓	21.98	Average
BROMOMETHANE	1.21318	1.34397	10.78	Average
VINYL CHLORIDE	1.02532	1.00147	2.33	Average✓
CHLOROETHANE	.80265	.68979	14.06	Average
METHYLENE CHLORIDE	1.43641	1.41619	1.41	Average
ACETONE	1.22646	.55708	54.58	Average
CARBON DISULFIDE	4.07187	3.65170	10.32	Average
1,1-DICHLOROETHENE	1.33641	1.29926	2.78	Average✓
1,1-DICHLOROETHANE	2.90210	2.49179✓	14.14	Average✓
1,2-DICHLOROETHENE (TOTAL)	1.31509	1.25438✓	4.62	Average
CHLOROFORM	2.88691	2.74192	5.02	Average✓
d4-1,2-DICHLOROETHANE(SS)	1.65313	1.68398	1.87	Average
1,2-DICHLOROETHANE	1.88779	1.81700	3.75	Average
2-BUTANONE	.35796	.13664	61.83	Average
1,1,1-TRICHLOROETHANE	.57022	.61829	8.43	Average
CARBON TETRACHLORIDE	.48020	.59548	24.01	Average
VINYL ACETATE	.46723	.65781	40.79	Average
BROMODICHLOROMETHANE	.70816	.73405	3.66	Average
1,2-DICHLOROPROPANE	.51569	.43259	16.12	Average
CIS-1,3-DICHLOROPROPENE	.67428	.59586	11.63	Average
TRICHLOROETHENE	.46251	.46483	.50	Average
DIBROMOCHLOROMETHANE	.57738	.63667	10.27	Average
1,1,2-TRICHLOROETHANE	.42649	.39637	7.06	Average
BENZENE	1.05985	.90488	14.62	Average
TRANS-1,3-DICHLOROPROPENE	.59658	.54439	8.75	Average
BROMOFORM	.31001	.41037	32.37	Average
4-METHYL-2-PENTANONE	1.16873	.70704	39.50	Average
2-HEXANONE	.95538	.54149	43.32	Average
TETRACHLOROETHENE	.38256	.40769	6.57	Average
1,1,2,2-TETRACHLOROETHANE	.79749	.72781	8.74	Average
d8-TOLUENE(SS)	1.22120	1.13642	6.94	Average
TOLUENE	.78165	.68965	11.77	Average
CHLOROBENZENE	1.00291	.91105	9.16	Average
ETHYLBENZENE	.49273	.43621	11.47	Average
4-BROMOFLUOROBENZENE(SS)	.77102	.79121	2.62	Average
STYRENE	1.03893	.89506	13.85	Average
TOTAL XYLENES	.62537	.56488	9.67	Average

RF - Response Factor from daily standard file at 50.00 ug/kg

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

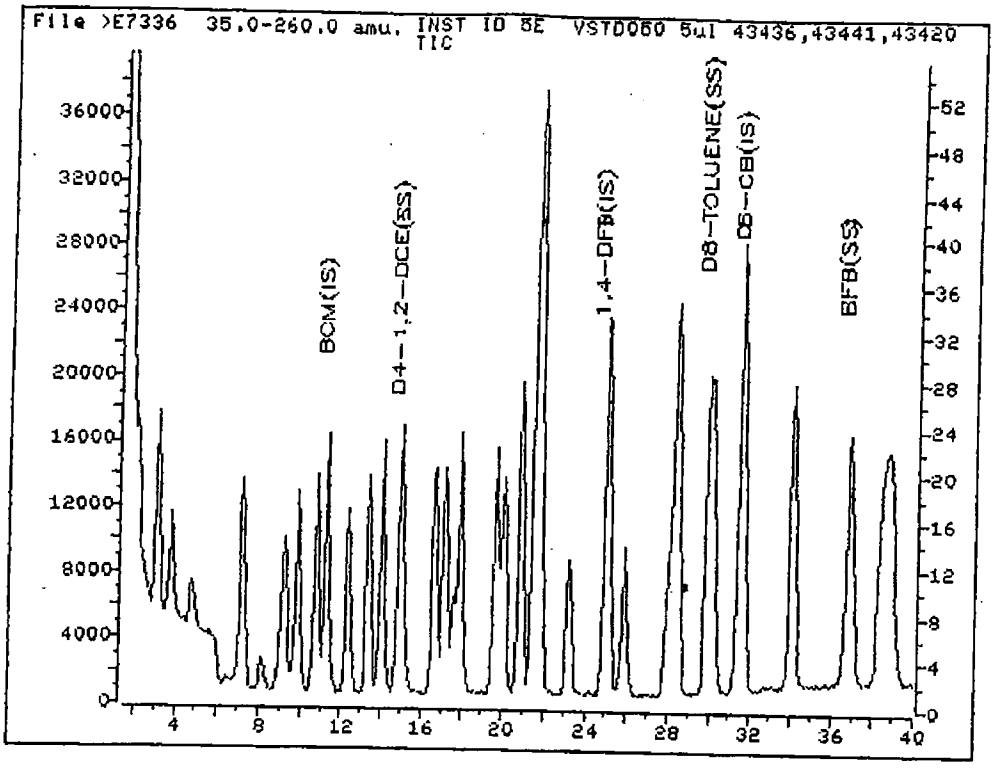
QUANT REPORT

Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890830 06:10
Output File: ^E7336::D4 Injected at: 890830 05:06
Data File: >E7336::DE Dilution Factor: 1.00000
Name: INST ID 5E VOSID050
Misc: 5ul 43436,43441,43420 IS/SS=50 5ul 43418,43419

ID File: VOSID5::D1
Title: VOLATILES IN SOIL BY USEPA SOW REV. 1/88
Last Calibration: 890830 06:07

	Compound	R.T.	Scan#	Area	Conc	Units	Q
1)	*BROMOCHLOROMETHANE(IS)	11.22	127	34602	50.00	ug/kg	8
2)	CHLOROMETHANE	2.17	9	26843	50.00	ug/kg	[illegible]
3)	BROMOMETHANE	3.10	21	46504	50.00	ug/kg	1[illegible]
4)	VINYL CHLORIDE	3.79	30	34653	50.00	ug/kg	93
5)	CHLOROETHANE	4.79	45	25868	50.00	ug/kg	99
6)	METHYLENE CHLORIDE	7.18	74	49003	50.00	ug/kg	95
7)	ACETONE	8.11	86	19276	50.00	ug/kg	66
8)	CARBON DISULFIDE	9.19	100	126396	50.00	ug/kg	61
9)	1,1-DICHLOROETHENE	10.23	120	44957	50.00	ug/kg	92
10)	1,1-DICHLOROETHANE	12.35	141	86221	50.00	ug/kg	91
11)	1,2-DICHLOROETHENE (TOTAL)	13.35	154	43404	50.00	ug/kg	96
12)	CHLOROFORM	14.05	163	94876	50.00	ug/kg	93
13)	d4-1,2-DICHLOROETHANE(SS)	14.90	174	58269	50.00	ug/kg	100
14)	1,2-DICHLOROETHANE	15.05	176	62872	50.00	ug/kg	96
15)	2-BUTANONE	15.13	177	4728	50.00	ug/kg	28
16)	*1,4-DIFLUOROBENZENE(IS)	25.00	305	116742	50.00	ug/kg	91
17)	1,1,1-TRICHLOROETHANE	16.67	197	72180	50.00	ug/kg	94
18)	CARBON TETRACHLORIDE	17.13	203	69518	50.00	ug/kg	89
19)	VINYL ACETATE	17.59	209	76794	50.00	ug/kg	100
20)	BROMODICHLOROMETHANE	17.90	213	85694	50.00	ug/kg	91
21)	1,2-DICHLOROPROPANE	19.68	236	50501	50.00	ug/kg	67
22)	CIS-1,3-DICHLOROPROPENE	20.06	241	69562	50.00	ug/kg	100
23)	TRICHLOROETHENE	20.85	251	54265	50.00	ug/kg	92
24)	DIBROMOCHLOROMETHANE	21.53	260	74526	50.00	ug/kg	97
25)	1,1,2-TRICHLOROETHANE	21.76	263	46273	50.00	ug/kg	96
26)	BENZENE	21.53	260	105658	50.00	ug/kg	100
27)	TRANS-1,3-DICHLOROPROPENE	21.76	263	65553	50.00	ug/kg	100
28)	BROMOFORM	25.07	306	47907	50.00	ug/kg	97
29)	*d5-CHLOROBENZENE(IS)	31.47	389	99914	50.00	ug/kg	100
30)	4-METHYL-2-PENTANONE	25.92	317	67815	50.00	ug/kg	96
31)	2-HEXANONE	28.00	344	51936	50.00	ug/kg	89
32)	TETRACHLOROETHENE	28.39	349	39103	50.00	ug/kg	79
33)	1,1,2,2-TETRACHLOROETHANE	28.24	347	69807	50.00	ug/kg	88
34)	d8-TOLUENE(SS)	29.93	369	108999	50.00	ug/kg	94
35)	TOLUENE	30.16	372	66147	50.00	ug/kg	88
36)	CHLOROBENZENE	31.63	391	87592	50.00	ug/kg	89
37)	ETHYLBENZENE	34.10	425	41839	50.00	ug/kg	80
38)	4-BROMOFLUOROBENZENE(SS)	36.87	459	79888	50.00	ug/kg	94
39)	STYRENE	38.49	480	89849	50.00	ug/kg	67
40)	TOTAL XYLENES	38.38	485	54180	50.00	ug/kg	[illegible]

* Compound is ISTD



MS data file header from : >E7336

Sample: INST ID SE VSTD050 Operator: TERMINAL62MS 8/30/89 5:06
Misc : 5ul 43436,43441,43420 IS/SS=50 5ul 43418,43419
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAME5 Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	11.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	16.71	16.71	Ok
75	30-60% of mass 95	42.99	42.99	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.87	7.87	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	76.15	76.15	Ok
175	5-9% of mass 174	6.27	8.23	Ok
176	95-101% of mass 174	74.66	98.05	Ok
177	5-9% of mass 176	5.22	6.99	Ok

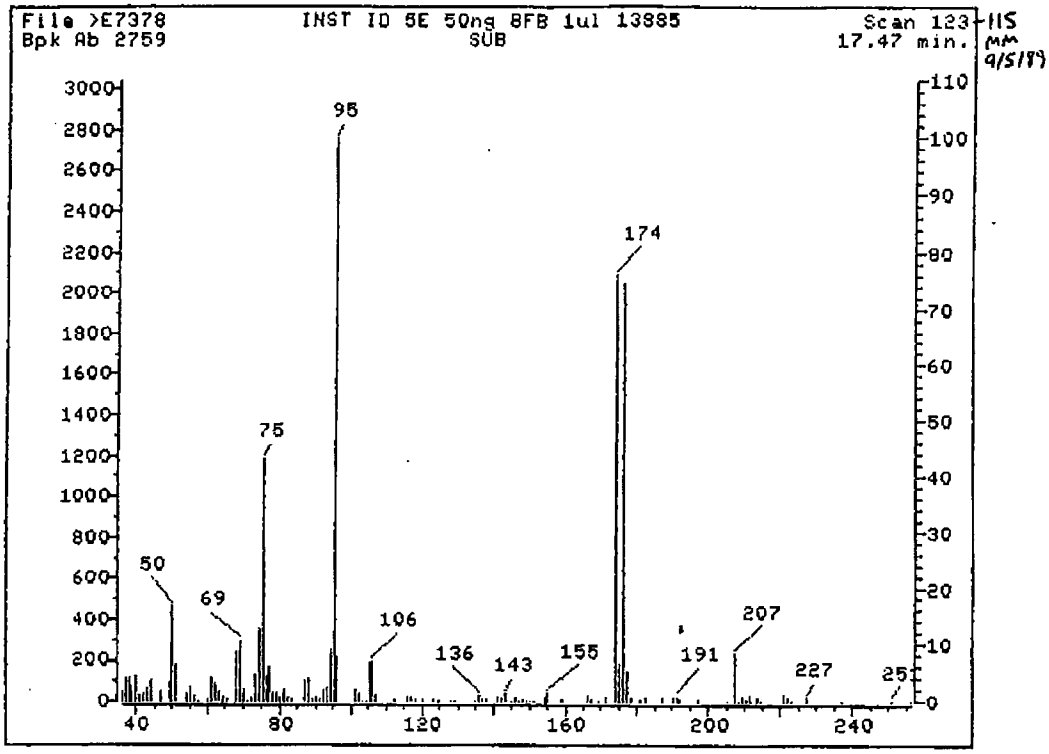
Injection Date: ~~09/04/89~~ 9/5/89
Injection Time: ~~20:39~~ 00:30
Data File: >E7378
Scan: 123-115

MM
9/5/89

>E7378 INST ID 5E 50ng BFB 1ul 13885
123-115 SUB NRM
MM 9/5/89

File: >E7378 Scan #: 123 Retn. time: 17.47

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.00	1.812	68.10	8.880	94.10	9.025	138.25	.290	180.80	.362
37.10	4.132	69.10	10.475	95.10	100.000	141.15	.689	182.20	.834
38.10	4.023	70.20	2.066	96.10	7.865	142.25	.689	187.20	.652
39.10	1.595	71.20	.109	101.15	1.993	143.15	1.341	190.30	.580
40.10	4.567	72.20	.797	102.15	1.341	145.15	.036	191.20	.797
41.10	1.087	73.10	4.676	103.15	.145	146.25	.652	192.10	.399
42.20	1.232	74.10	12.722	104.15	.072	147.15	.181	197.20	.362
43.20	2.392	75.10	42.987	105.15	6.742	148.15	.290	205.20	.072
44.10	3.806	76.10	4.494	106.15	6.814	149.15	.181	207.20	8.300
47.00	1.631	77.10	6.125	107.15	1.196	150.15	.145	208.20	.109
49.20	3.480	78.20	1.232	112.25	.362	151.15	.109	209.20	.797
50.10	16.709	79.10	1.232	116.15	.834	154.25	.616	210.20	.254
51.10	6.415	80.10	.689	117.15	.652	155.15	1.269	211.20	.942
54.20	1.414	81.10	2.066	118.15	.290	159.15	.362	213.30	.544
55.10	2.465	82.10	.616	120.25	.254	166.30	.942	214.40	.109
56.20	1.196	83.20	.290	123.15	.435	167.20	.507	221.20	1.160
57.10	.036	87.10	3.842	124.25	.072	169.30	.072	222.20	.689
60.10	.290	88.10	4.096	125.15	.072	171.30	.797	223.20	.109
61.10	4.204	89.10	.435	128.15	.109	174.10	76.151	227.35	.580
62.10	3.008	90.10	.761	129.15	.145	175.20	6.270	237.25	.109
63.10	1.776	91.10	.399	135.15	.072	176.10	74.665	251.25	.109
64.10	.616	92.10	1.993	136.15	.906	177.10	5.219	256.35	.109
65.10	.254	93.10	2.465	137.25	.217	178.20	.689		



MS data file header from : >E7378

Sample: INST ID SE 50ng BFB Operator: JEFF MS 9/04/89 20:39
Misc : 1ul 13885
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BFBMES Tuning file: MANTUS No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	.5	10.8	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	0.0	0.0

Calibration Check Report

Title: VOLATILES BY USEPA SOW REV. 1/88
Calibrated: 890714 22:46

Check Standard Data File: >E7381
Injection Time: 890905 03:52

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
CHLOROMETHANE	.90912	.79560✓	12.49	Average
BROMOMETHANE	1.29994	1.36489	5.00	Average
VINYL CHLORIDE	1.13425	.94993	16.25	Average✓
CHLOROETHANE	.83275	.66813	19.77	Average
METHYLENE CHLORIDE	1.60543	1.54870	3.53	Average
ACETONE	.45000	.18251	59.44	Average
CARBON DISULFIDE	3.89141	3.83131	1.54	Average
1,1-DICHLOROETHENE	1.32674	1.41765	6.85	Average✓
1,1-DICHLOROETHANE	2.92309	2.21534✓	24.21	Average
1,2-DICHLOROETHENE (TOTAL)	1.35480	1.35458	.02	Average
CHLOROFORM	3.09246	2.45382	20.65	Average✓
d4-1,2-DICHLOROETHANE(SS)	1.71870	1.08377	36.94	Average
1,2-DICHLOROETHANE	2.03376	1.25440	38.32	Average
2-BUTANONE	.10373	.06216	40.07	Average
1,1,1-TRICHLOROETHANE	.65390	.50622	22.58	Average
CARBON TETRACHLORIDE	.55380	.47136	14.89	Average
VINYL ACETATE	.61523	.16980	72.40	Average
BROMODICHLOROMETHANE	.80231	.65440	18.43	Average
1,2-DICHLOROPROPANE	.54356	.41317	23.99	Average✓
CIS-1,3-DICHLOROPROPENE	.70393	.58301	17.18	Average
TRICHLOROETHENE	.50204	.49761	.88	Average
DIBROMOCHLOROMETHANE	.65991	.58518	11.32	Average
1,1,2-TRICHLOROETHANE	.44436	.36162	18.62	Average
BENZENE	1.13066	.90139	20.28	Average
TRANS-1,3-DICHLOROPROPENE	.62465	.44185	29.26	Average
BROMOFORM	.30726	.30866✓	.46	Average
4-METHYL-2-PENTANONE	.68911	.29175	57.66	Average
2-HEXANONE	.42993	.21867	49.14	Average
TETRACHLOROETHENE	.43329	.40502	6.52	Average
1,1,2,2-TETRACHLOROETHANE	.72299	.48910✓	32.35	Average
d8-TOLUENE(SS)	1.17447	1.02216	12.97	Average
TOLUENE	.81470	.67037	17.72	Average✓
CHLOROBENZENE	1.03935	.92413✓	11.09	Average
ETHYLBENZENE	.52704	.44098	16.33	Average✓
4-BROMOFLUOROBENZENE(SS)	.81425	.71336	12.39	Average
STYRENE	1.09073	.89715	17.75	Average
TOTAL XYLENES	.66471	.55272	16.85	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

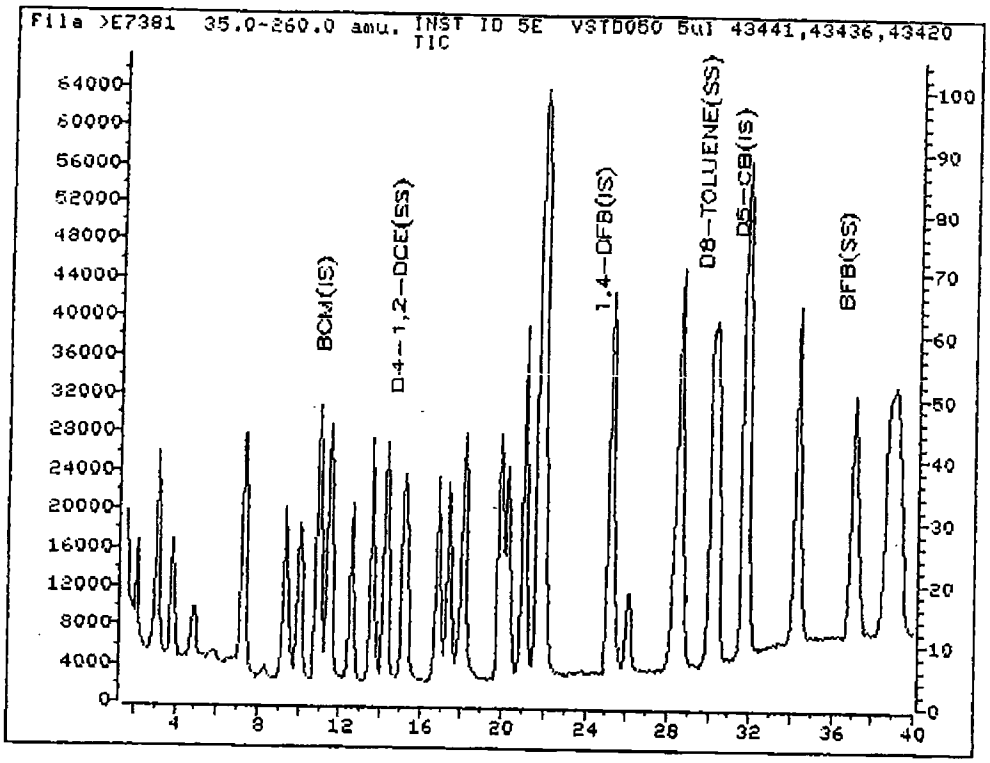
QUANT REPORT

Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890905 04:50
Output File: ^E7381::QT Injected at: 890905 03:52
Data File: >E7381::D4 Dilution Factor: 1.00000
Name: INST ID SE VSTD050
Misc: Sul 43441,43436,43420 IS,SS=50 Sul 43418,43419

ID File: VOAIDS::D7
Title: VOLATILES BY USEPA SOW REV. 1/88
Last Calibration: 890905 04:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE(IS)	11.49	129	64764	50.00	ug/L	99
2)	CHLOROMETHANE	2.16	8	51526	50.00	ug/L	98
3)	BROMOMETHANE	3.08	20	88396	50.00	ug/L	17
4)	VINYL CHLORIDE	3.85	30	61521	50.00	ug/L	98
5)	CHLOROETHANE	4.93	44	43271	50.00	ug/L	99
6)	METHYLENE CHLORIDE	7.25	74	100300	50.00	ug/L	75
7)	ACETONE	8.33	88	11820	50.00	ug/L	56
8)	CARBON DISULFIDE	9.33	101	248131	50.00	ug/L	62
9)	1,1-DICHLOROETHENE	10.95	122	91813	50.00	ug/L	87
10)	1,1-DICHLOROETHANE	12.57	143	143474	50.00	ug/L	91
11)	1,2-DICHLOROETHENE (TOTAL)	13.57	156	87728	50.00	ug/L	90
12)	CHLOROFORM	14.27	165	158919	50.00	ug/L	92
13)	d4-1,2-DICHLOROETHANE(SS)	15.11	176	70189	50.00	ug/L	100
14)	1,2-DICHLOROETHANE	15.27	178	81240	50.00	ug/L	99
15)	2-BUTANONE	15.35	179	4026	50.00	ug/L	87
16)	*1,4-DIFLUOROBENZENE(IS)	25.22	307	224077	50.00	ug/L	28
17)	1,1,1-TRICHLOROETHANE	16.89	199	113433	50.00	ug/L	96
18)	CARBON TETRACHLORIDE	17.35	205	105620	50.00	ug/L	96
19)	VINYL ACETATE	17.81	211	38049	50.00	ug/L	100
20)	BROMODICHLOROMETHANE	18.12	215	146654	50.00	ug/L	94
21)	1,2-DICHLOROPROPANE	19.90	238	92581	50.00	ug/L	63
22)	CIS-1,3-DICHLOROPROPENE	20.28	243	130640	50.00	ug/L	100
23)	TRICHLOROETHENE	21.05	253	111504	50.00	ug/L	95
24)	DIBROMOCHLOROMETHANE	21.75	262	131126	50.00	ug/L	99
25)	1,1,2-TRICHLOROETHANE	21.98	265	81031	50.00	ug/L	96
26)	BENZENE	21.75	262	201981	50.00	ug/L	100
27)	TRANS-1,3-DICHLOROPROPENE	21.98	265	99009	50.00	ug/L	100
28)	BROMOFORM	25.29	308	69164	50.00	ug/L	98
29)	*d5-CHLOROBENZENE(IS)	31.70	391	199698	50.00	ug/L	100
30)	4-METHYL-2-PENTANONE	26.14	319	58261	50.00	ug/L	88
31)	2-HEXANONE	28.23	346	43668	50.00	ug/L	87
32)	TETRACHLOROETHENE	28.61	351	80882	50.00	ug/L	79
33)	1,1,2,2-TETRACHLOROETHANE	28.46	349	97673	50.00	ug/L	93
34)	d8-TOLUENE(SS)	30.08	370	204123	50.00	ug/L	97
35)	TOLUENE	30.39	374	133871	50.00	ug/L	87
36)	CHLOROBENZENE	31.85	393	184547	50.00	ug/L	85
37)	ETHYLBENZENE	34.32	425	88063	50.00	ug/L	77
38)	4-BROMOFLUOROBENZENE(SS)	37.10	461	142457	50.00	ug/L	97
39)	STYRENE	38.72	482	179159	50.00	ug/L	78
40)	TOTAL XYLENES	39.18	488	110377	50.00	ug/L	63

* Compound is ISTD



MS data file header from : >E7381

Sample: INST ID 5E VSTD050 Operator: TERMINAL60MS 9/05/89 3:52
Misc : 5ul 43441,43436,43420 IS,SS=50 5ul 43418,43419
Sys. #: 2 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: VOAMES Tuning file: MANTU5 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 250 Transfer line temp. : 0

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	11.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

GC/MS BNA STANDARD CURVE DATA

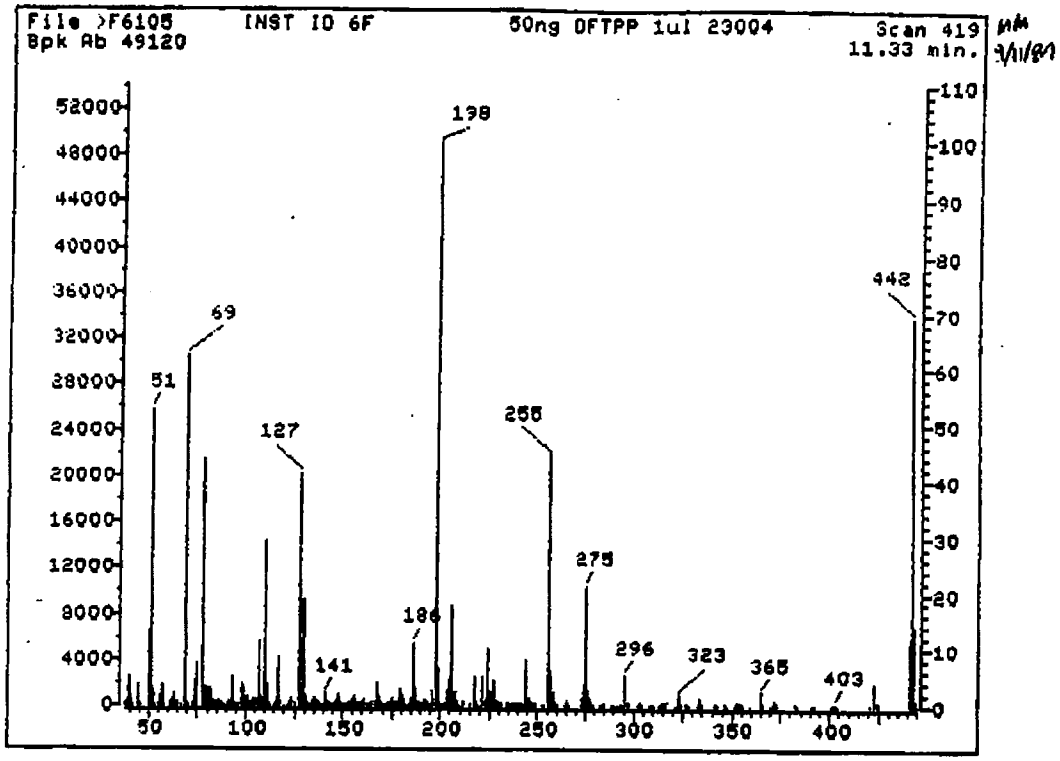
GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	52.48	52.48	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	62.08	62.08	Ok
70	Less than 2% of mass 69	.29	.47	Ok
127	40-60% of mass 198	41.04	41.04	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.86	6.86	Ok
275	10-30% of mass 198	21.30	21.30	Ok
365	Greater than 1% of mass 198	2.56	2.56	Ok
441	0-100% of mass 443	12.11	84.81	Ok
442	Greater than 40% of mass 198	69.23	69.23	Ok
443	17-23% of mass 442	14.27	20.62	Ok

Injection Date: 09/11/89
Injection Time: 02:58
Data File: >F6105
Scan: 419

MM
9/11/89



MS data file header from : >F6105

Sample: INST ID 6F Operator: TERMINALG2MS 9/11/89 2:58
Misc : 50ng DFTPP 1ul 23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

>F6105 INST ID 6F 50ng DFTPP 1ul 23004
419 NRM
MM
9/11/89

File: >F6105 Scan #: 419 Retn. time: 11.33

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	.265	103.95	1.032	160.95	.987	223.00	1.071	303.05	.615
38.10	.684	104.95	.949	162.15	.283	224.00	9.984	304.05	.175
39.10	4.941	106.95	11.547	162.95	.077	225.00	2.453	307.95	.120
40.00	1.635	108.05	1.802	163.95	.106	227.00	4.243	309.05	.061
41.10	.159	110.05	29.344	165.00	.723	228.00	.664	310.05	.114
44.10	3.840	111.05	3.825	166.00	.619	229.00	.833	313.05	.090
45.10	.212	111.95	.484	167.00	4.147	230.00	.134	314.05	.265
50.10	13.471	113.05	.175	168.00	1.482	231.10	.442	314.95	.564
51.10	52.476	114.95	.043	169.00	.283	234.00	.297	316.05	.326
52.10	2.681	116.05	.721	170.10	.132	235.00	.265	321.05	.169
53.20	.155	117.05	8.398	171.00	.169	236.00	.153	323.05	1.895
55.10	.263	118.05	.672	172.00	.324	237.00	.295	324.05	.326
56.05	1.582	119.15	.128	173.00	.432	239.00	.208	326.95	.330
56.95	3.646	119.95	.163	174.00	.835	240.00	.122	328.05	.179
58.05	.136	121.15	.086	175.00	1.313	241.00	.232	332.15	.143
61.05	.700	122.05	.786	176.00	.476	242.00	.491	332.95	.157
62.05	.674	123.05	1.289	177.00	.788	243.20	.702	334.05	1.321
63.05	1.997	123.95	.596	178.20	.297	244.10	8.225	335.05	.269
64.05	.257	125.05	.470	179.00	2.897	245.10	1.297	341.05	.220
65.05	.666	127.05	41.042	180.00	1.895	246.00	1.502	341.95	.088
66.45	.033	128.05	3.282	181.00	.973	247.00	.348	345.95	.417
67.05	.149	129.05	18.748	182.00	.116	248.00	.075	346.95	.065
68.95	62.085	129.95	1.590	182.90	.075	249.00	.307	351.35	.055
70.05	.293	131.05	.301	184.00	.246	252.10	.075	352.05	.627
71.05	.096	132.15	.155	185.00	1.366	253.00	.185	352.95	.377
73.05	.442	132.95	.081	186.00	11.205	255.00	44.609	354.05	.527
74.05	4.522	134.05	.572	187.00	3.125	256.00	6.193	355.05	.079
75.05	7.453	135.05	1.230	188.10	.366	257.10	.521	359.05	.053
77.05	43.697	136.05	.574	189.00	.678	258.00	2.219	365.05	2.563
78.05	2.899	137.05	.698	190.00	.098	259.10	.368	365.95	.318
79.05	3.206	138.05	.114	191.00	.318	260.00	.053	369.85	.055
80.05	2.335	139.15	.090	192.00	.916	264.10	.094	371.15	.159
80.95	3.215	139.95	.195	193.00	.827	265.00	1.046	372.05	1.042
82.05	.729	140.95	2.231	194.10	.208	266.00	.179	373.05	.330
83.05	.825	142.05	.708	195.10	.204	273.00	1.362	382.90	.283
84.35	.073	143.05	.525	196.00	2.773	274.05	3.624	383.80	.059
85.05	.747	144.05	.108	198.00	100.000	274.95	21.305	390.00	.153
86.05	.827	145.05	.130	199.00	6.865	276.05	2.702	391.10	.112
87.05	.401	146.05	.320	199.90	.476	276.95	1.519	391.90	.086
87.95	.167	147.05	1.158	201.40	.385	277.95	.263	400.90	.079
88.85	.049	148.05	2.166	202.90	.497	279.05	.065	402.00	.430
91.05	.778	148.95	.391	204.00	2.649	282.95	.175	403.00	.495
92.05	.804	151.15	.297	205.00	4.581	283.95	.098	404.00	.202

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890911 10:09

Compound	Files: >F6107 RF 20.00	>F6111 RF 50.00	>F6108 RF 80.00	>F6109 RF 120.00	>F6110 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD
PHENOL	1.99765	1.89938	1.71277	1.52374	1.35852	.928	1.69841	15.471
BIS(-2-CHLOROETHYL)ETHER	1.89003	1.77194	1.73604	1.42845	1.43385	.948	1.65206	12.685
2-CHLOROPHENOL	1.49717	1.46131	1.46479	1.37449	1.31097	.954	1.42174	5.404
1,3-DICHLOROBENZENE	1.55376	1.53249	1.50781	1.32666	1.33195	.990	1.45053	7.712
1,4-DICHLOROBENZENE	1.67869	1.47746	1.25992	1.31965	1.16530	1.004	1.38021	14.620
BENZYL ALCOHOL	.95238	.89727	.90710	.82062	.77684	1.048	.87084	8.124
1,2-DICHLOROBENZENE	1.59838	1.51509	1.46097	1.20102	1.08331	1.055	1.37175	15.980
2-METHYLPHENOL	1.28296	1.30674	1.28903	1.10860	1.07390	1.084	1.21225	9.196
BIS(2-CHLOROISOPROPYL)ETHER	4.09953	3.79515	3.91312	3.62838	3.37248	1.092	3.76173	7.370
4-METHYLPHENOL	1.41178	1.28607	1.10631	1.29213	1.22598	1.129	1.26445	8.791
N-NITROSO-DI-n-PROPYLAMINE	1.57768	1.28612	1.29743	1.04070	1.25496	1.140	1.29138	14.804
HEXACHLOROETHANE	.82504	.72087	.63141	.56306	.46235	1.139	.64055	21.847
2-FLUOROPHENOL (SS)	1.37910	1.19509	1.06364	1.02438	1.05391	.698	1.14323	12.883
PHENOL-d5 (SS)	1.78988	1.67399	1.63175	1.43649	1.32478	.923	1.57138	11.945
NITROBENZENE	.94296	.85622	.81710	.63669	.57308	.858	.76521	20.245
ISOPHORONE	.97580	.93758	.90819	.84512	.76836	.909	.88701	9.215
2-NITROPHENOL	.26546	.25386	.25318	.22168	.23177	.924	.24519	7.304
2,4-DIMETHYLPHENOL	.40123	.36553	.34767	.33566	.32162	.937	.35434	8.685
BENZOIC ACID	-	.14101	.16616	.20202	.18639	.978	.17390	15.173
BIS(-2-CHLOROETHOXY)METHANE	.63474	.58212	.55623	.45280	.40859	.959	.52689	17.760
2,4-DICHLOROPHENOL	.28629	.28767	.25767	.27158	.25941	.975	.27252	5.229
1,2,4-TRICHLOROBENZENE	.33285	.33685	.29902	.27927	.25282	.991	.30016	11.889
NAPHTHALENE	1.05317	1.05603	.78251	.76969	.63190	1.005	.85866	21.937
4-CHLOROANILINE	.41090	.45019	.42396	.37534	.32735	1.024	.39755	11.977
HEXACHLOROBUTADIENE	.20114	.18684	.17191	.15311	.12752	1.046	.16811	17.159
4-CHLORO-3-METHYLPHENOL	.33490	.35898	.31055	.28854	.26637	1.135	.31187	11.745
2-METHYLNAPHTHALENE	.65222	.66661	.51200	.44969	.40143	1.160	.55239	18.154
NITROBENZENE-d5 (SS)	.42042	.46031	.43763	.39031	.35597	.853	.42293	11.472
HEXACHLOROCYCLOPENTADIENE	.38020	.36168	.36128	.33825	.32746	.863	.35378	5.913
2,4,6-TRICHLOROPHENOL	.35978	.38419	.34710	.34949	.36214	.878	.36054	4.079
2,4,5-TRICHLOROPHENOL	-	.37526	.36512	.38339	.36214	.883	.37148	2.618
2-CHLORONAPHTHALENE	1.15485	1.05736	1.03040	1.04958	.96086	.906	1.05061	6.625
2-NITROANILINE	-	.60340	.62005	.68505	.66399	.931	.64312	5.889
DIMETHYL PHTHALATE	1.42106	1.44749	1.32045	1.36265	1.31448	.968	1.37321	4.333
ACENAPHTHYLENE	1.93113	1.87712	1.75740	1.71701	1.61157	.974	1.77885	7.172
3-NITROANILINE	-	.17114	.16908	.20869	.33433	1.000	.24081	34.775
ACENAPHTHENE	1.21407	1.18745	.99582	1.00291	.91288	1.006	1.06263	12.357
2,4-DINITROPHENOL	-	.11857	.16754	.21552	.24214	1.016	.18594	29.309
4-NITROPHENOL	-	.07578	.10380	.10747	.10352	1.030	.09764	15.040

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890911 10:08

Compound	Files: >F6107 RF 20.00	>F6111 RF 50.00	>F6108 RF 80.00	>F6109 RF 120.00	>F6110 RF 160.00	$\overline{RRT}$	$\overline{RF}$	%RSD	
DIBENZOFURAN	1.65427	1.50850	1.50667	1.50097	1.29821	1.032	1.49373	8.497	
2,4-DINITROTOLUENE	.40945	.45590	.52026	.47028	.47087	1.042	.46695	8.576	
2,6-DINITROTOLUENE	.36118	.33996	.33490	.39856	.38249	.979	.36342	7.494	
DIETHYLPHTHALATE	1.52138	1.50909	1.36154	1.37303	1.12778	1.086	1.37856	11.507	
4-CHLOROPHENYL-PHENYLETHER	.61737	.54089	.50123	.44405	.39177	1.091	.49906	17.436	
FLUORENE	1.16718	1.15138	.98874	.90622	.77378	1.089	.99746	16.695	
4-NITROANILINE	-	.07786	.13313	.15967	.25748	1.104	.15704	47.846	
2-FLUOROBIPHENYL (SS)	1.31175	1.11078	1.12099	1.10383	.92272	.892	1.11402	12.362	
2,4,6-TRIBROMOPHENOL (SS)	.15639	.19986	.21162	.25120	.25630	1.131	.21507	19.018	
4,6-DINITRO-2-METHYLPHENOL	-	.13895	.15532	.17058	.16304	.893	.15697	8.622	
N-NITROSODIPHENYLAMINE	.57091	.55229	.49712	.48145	.40883	.895	.50212	12.754	✓
4-BROMOPHENYL-PHENYLETHER	.24898	.23304	.21713	.18539	.18710	.942	.21433	13.068	
HEXACHLOROBENZENE	.34512	.36119	.28074	.25334	.26578	.960	.30123	16.171	
PENTACHLOROPHENOL	-	.09573	.12057	.13071	.14213	.984	.12228	16.166	✓
PHENANTHRENE	1.12264	1.05318	.91847	.81579	.81775	1.004	.94557	14.658	
ANTHRACENE	1.02564	1.00387	.96937	.85572	.81388	1.010	.93370	10.031	
DI-N-BUTYLPHTHALATE	1.48470	1.45514	1.25942	1.14301	.90554	1.090	1.24956	19.079	
FLUORANTHENE	.82465	.84351	.85054	.77964	.76698	1.162	.81306	4.646	✓
PYRENE	2.58769	2.59651	2.43353	1.94307	1.79636	.880	2.27143	16.553	
BUTYLBENZYLPHTHALATE	1.10295	1.04530	1.10345	.93455	.86641	.951	1.01053	10.488	
3,3'-DICHLOROBENZIDINE	.16796	.12405	.09496	.09646	.12013	.999	.12071	24.487	
BENZO(a)ANTHRACENE	1.12764	1.18662	1.18226	1.06405	.98446	.998	1.10901	7.713	
BIS(2-ETHYLHEXYL)PHTHALATE	1.40820	1.27682	1.29559	.99675	.91950	1.010	1.17937	17.798	
CHRYSENE	1.12299	1.25276	1.15373	1.09624	.99350	1.003	1.12384	8.355	
TERPHENYL-d14 (SS)	1.12649	1.29665	1.24865	1.08813	1.01627	.898	1.15524	9.998	
DI-N-OCTYL PHTHALATE	3.32696	3.42049	3.31172	3.09216	2.98058	.927	3.22638	5.663	✓
BENZO(b)FLUORANTHENE	1.65782	1.79498	1.73356	1.69170	1.65506	.961	1.70662	3.441	
BENZO(k)FLUORANTHENE	.98820	1.09074	.99899	1.03996	1.11355	.963	1.04629	5.268	
BENZO(a)PYRENE	1.22786	1.37004	1.29333	1.24952	1.26122	.994	1.28039	4.328	✓
INDENO(1,2,3-cd)PYRENE	.82312	.84194	.90163	.95658	1.02137	1.143	.90893	9.008	
DIBENZO(a,h)ANTHRACENE	.82312	.83439	.89152	.87485	.92690	1.146	.87015	4.872	
BENZO(g,h,i)PERYLENE	.90012	.82061	.88875	.86063	.88271	1.185	.87056	3.608	

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

93.05	4.978	151.65	.189	206.00	17.948	285.05	.328	421.00	.425
93.95	.277	151.95	.183	207.10	2.539	288.85	.053	422.10	.531
94.95	.079	153.05	.700	208.00	.733	289.95	.009	423.00	3.952
96.05	.252	153.95	.533	209.00	.181	291.95	.100	424.00	.635
98.05	3.811	155.05	1.158	211.00	.772	293.05	.332	441.10	12.105
98.95	2.921	156.05	1.586	215.00	.222	295.95	5.515	442.00	69.235
100.05	.368	157.25	.358	217.00	5.124	297.05	.749	443.00	14.273
101.05	1.623	157.85	.342	217.90	.603	297.85	.065	444.10	1.173
102.05	.083	159.05	.305	219.00	.096	302.05	.098	445.00	.059
103.05	.641	160.05	.702	221.00	4.982				

QUANT REPORT

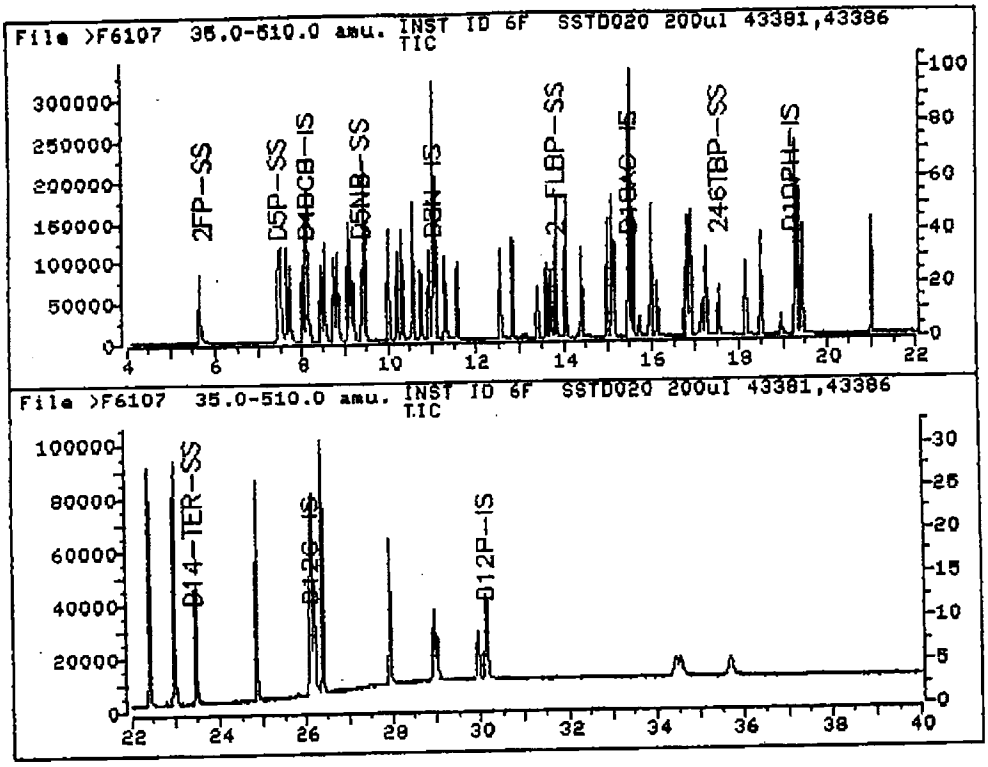
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890911 05:42
Output File: ^F6107::QT Injected at: 890911 04:59
Data File: >F6107::D1 Dilution Factor: 1.00000
Name: INST ID 6F SSTD020
Misc: 200ul 43381,43386 IS=40ng 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890908 11:10

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	8.10	152.0	68981	40.00	ng	83
2)	PHENOL	7.48	94.0	68900	35.48	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.64	93.0	65188	35.54	ng	80
4)	2-CHLOROPHENOL	7.71	128.0	51638	25.65	ng	80
5)	1,3-DICHLOROBENZENE	8.02	146.0	53590	21.26	ng	86
6)	1,4-DICHLOROBENZENE	8.12	146.0	57899	24.62	ng	91
7)	BENZYL ALCOHOL	8.46	108.0	32848	28.91	ng	83
8)	1,2-DICHLOROBENZENE	8.54	146.0	55129	22.32	ng	85
9)	2-METHYLPHENOL	8.75	108.0	44250	30.10	ng	91
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.83	45.0	141395	35.13	ng	100
11)	4-METHYLPHENOL	9.10	108.0	48693	29.09	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	9.17	70.0	54415	42.95	ng	41
13)	HEXACHLOROETHANE	9.23	117.0	28456	31.82	ng	85
14)	2-FLUOROPHENOL (SS)	5.65	112.0	47566	34.09	ng	75
15)	PHENOL-d5 (SS)	7.44	99.0	61734	35.34	ng	77
16)	*NAPHTHALENE-d8 (IS)	11.06	136.0	258031	40.00	ng	100
17)	NITROBENZENE	9.46	77.0	121656	37.53	ng	65
18)	ISOPHORONE	10.00	82.0	125893	36.64	ng	91
19)	2-NITROPHENOL	10.21	139.0	34249	20.57	ng	37
20)	2,4-DIMETHYLPHENOL	10.33	107.0	51765	31.14	ng	92
22)	BIS(-2-CHLOROETHOXY)METHANE	10.58	93.0	81891	40.10	ng	74
23)	2,4-DICHLOROPHENOL	10.75	162.0	36936	18.65	ng	91
24)	1,2,4-TRICHLOROBENZENE	10.96	180.0	42943	18.59	ng	95
25)	NAPHTHALENE	11.11	128.0	135875	28.82	ng	100
26)	4-CHLOROANILINE	11.31	127.0	53012	23.64	ng	94
27)	HEXACHLOROBUTADIENE	11.56	225.0	25950	21.44	ng	77
28)	4-CHLORO-3-METHYLPHENOL	12.54	107.0	43207	26.39	ng	100
29)	2-METHYLNAPHTHALENE	12.82	142.0	84146	22.44	ng	97
30)	NITROBENZENE-d5 (SS)	9.42	82.0	60692	36.66	ng	79
31)	*ACENAPHTHENE-d10 (IS)	15.53	164.0	139831	40.00	ng	92
32)	HEXACHLOROCYCLOPENTADIENE	13.40	237.0	26582	22.33	ng	97
33)	2,4,6-TRICHLOROPHENOL	13.61	196.0	25154	19.68	ng	98
35)	2-CHLORONAPHTHALENE	14.05	162.0	80742	24.03	ng	88
37)	DIMETHYL PHTHALATE	15.01	163.0	99354	20.64	ng	53
38)	ACENAPHTHYLENE	15.11	152.0	135016	22.93	ng	86
40)	ACENAPHTHENE	15.59	153.0	84882	22.86	ng	83
43)	DIBENZOFURAN	16.01	168.0	115659	23.22	ng	81
44)	2,4-DINITROTOLUENE	16.13	165.0	28627	16.61	ng	77
45)	2,6-DINITROTOLUENE	15.17	165.0	25252	22.01	ng	32
46)	DIETHYLPHTHALATE	16.82	149.0	106368	21.47	ng	92
47)	4-CHLOROPHENYL-PHENYLETHER	16.93	204.0	43164	23.31	ng	100
48)	FLUORENE	16.88	166.0	81604	20.49	ng	99
50)	2-FLUOROBIPHENYL (SS)	13.84	172.0	91712	25.70	ng	100

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	16.16	165.0	79484	50.00	ng	80
45)	2,6-DINITROTOLUENE	15.18	165.0	59271	50.00	ng	79
46)	DIETHYLPHTHALATE	16.85	149.0	263105	50.00	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.93	204.0	94302	50.00	ng	100
48)	FLUORENE	16.89	166.0	200739	50.00	ng	99
49)	4-NITROANILINE	17.08	138.0	13575	50.00	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.84	172.0	193660	50.00	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.56	330.0	34844	50.00	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.29	188.0	198707	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.18	198.0	34513	50.00	ng	100
54)	N-NITROSODIPHENYLAMINE	17.27	169.0	137180	50.00	ng	89
55)	4-BROMOPHENYL-PHENYLETHER	18.17	248.0	57884	50.00	ng	94
56)	HEXACHLOROBENZENE	18.52	284.0	89713	50.00	ng	100
57)	PENTACHLOROPHENOL	18.98	266.0	23779	50.00	ng	100
58)	PHENANTHRENE	19.36	178.0	261592	50.00	ng	81
59)	ANTHRACENE	19.46	178.0	249346	50.00	ng	85
60)	DI-N-BUTYLPHTHALATE	21.03	149.0	361433	50.00	ng	100
61)	FLUORANTHENE	22.42	202.0	209514	50.00	ng	98
62)	*CHRYSENE-d12 (IS)	26.14	240.0	65575	40.00	ng	100
63)	PYRENE	22.99	202.0	212833	50.00	ng	98
64)	BUTYLBENZYLPHTHALATE	24.84	149.0	85682	50.00	ng	75
65)	3,3'-DICHLOROBENZIDINE	26.10	252.0	10168	50.00	ng	100
66)	BENZO(a)ANTHRACENE	26.10	228.0	97266	50.00	ng	83
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.39	149.0	104659	50.00	ng	92
68)	CHRYSENE	26.20	228.0	102687	50.00	ng	90
69)	TERPHENYL-d14 (SS)	23.47	244.0	106285	50.00	ng	100
70)	*PERYLENE-d12 (IS)	30.14	264.0	31170	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.94	149.0	133271	50.00	ng	100
72)	BENZO(b)FLUORANTHENE	28.94	252.0	69937	50.00	ng	100
73)	BENZO(k)FLUORANTHENE	29.01	252.0	42498	50.00	ng	100
74)	BENZO(a)PYRENE	29.95	252.0	53380	50.00	ng	93
75)	INDENO(1,2,3-cd)PYRENE	34.42	276.0	32804	50.00	ng	100
76)	DIBENZO(a,h)ANTHRACENE	34.53	278.0	32510	50.00	ng	100
77)	BENZO(g,h,i)PERYLENE	35.68	276.0	31973	50.00	ng	100

* Compound is ISTD



MS data file header from : >F6107

Sample: INST ID 6F SSTD020 Operator: TERMINAL62MS 9/11/89 4:59
Misc : 200ul 43381,43386 IS=40ng 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MT8NA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

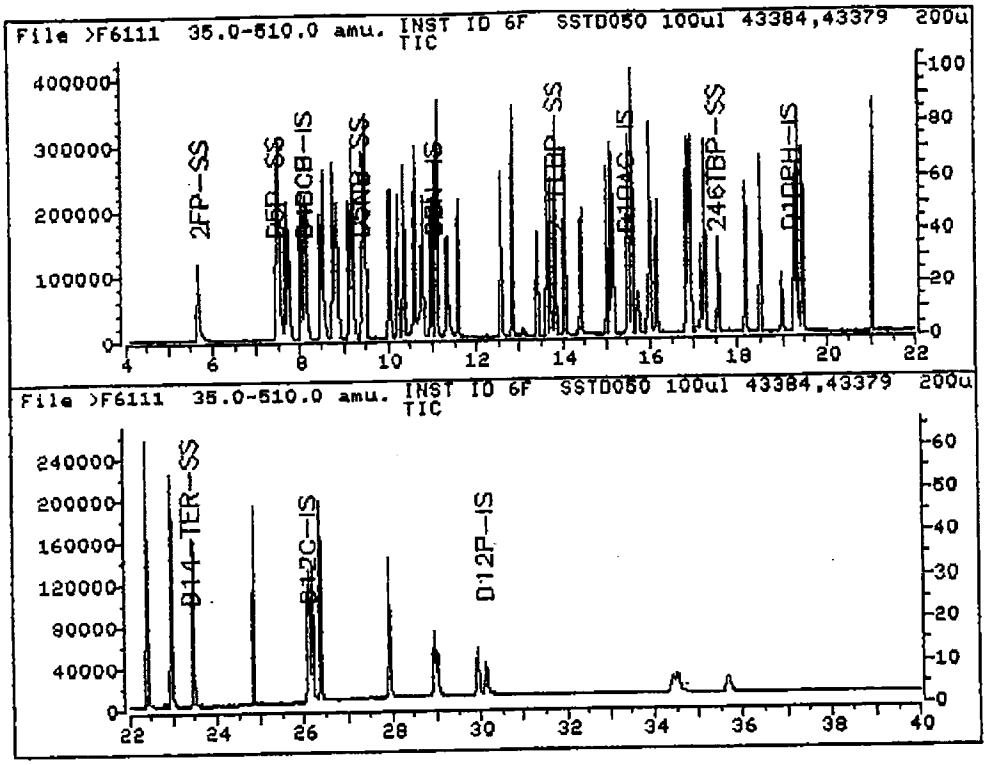
)perator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890911 10:17
)utput File: ^F6111::QT Injected at: 890911 08:59
)ata File: >F6111::D1 Dilution Factor: 1.00000
lame: INST ID 6F SSTD050
lisc: 100ul 43384,43379 200ul MeCl2 IS=40ng 43376 BTL# 1

D File: CLPID6::D7
'itle: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
.ast Calibration: 890911 10:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	8.11	152.0	68336	40.00	ng	82
2)	PHENOL	7.50	94.0	162245	50.00	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.67	93.0	151359	50.00	ng	77
4)	2-CHLOROPHENOL	7.73	128.0	124825	50.00	ng	75
5)	1,3-DICHLOROBENZENE	8.02	146.0	130905	50.00	ng	91
6)	1,4-DICHLOROBENZENE	8.13	146.0	126205	50.00	ng	92
7)	BENZYL ALCOHOL	8.48	108.0	76645	50.00	ng	80
8)	1,2-DICHLOROBENZENE	8.54	146.0	129419	50.00	ng	89
9)	2-METHYLPHENOL	8.77	108.0	111622	50.00	ng	91
.0)	BIS(2-CHLOROISOPROPYL)ETHER	8.84	45.0	324182	50.00	ng	100
.1)	4-METHYLPHENOL	9.13	108.0	109856	50.00	ng	97
.2)	N-NITROSO-DI-n-PROPYLAMINE	9.21	70.0	109860	50.00	ng	47
.3)	HEXACHLOROETHANE	9.23	117.0	61577	50.00	ng	89
.4)	2-FLUOROPHENOL (SS)	5.65	112.0	102085	50.00	ng	81
.5)	PHENOL-d5 (SS)	7.46	99.0	142992	50.00	ng	80
.6)	*NAPHTHALENE-d8 (IS)	11.07	136.0	252196	40.00	ng	100
.7)	NITROBENZENE	9.48	77.0	269918	50.00	ng	67
.8)	ISOPHORONE	10.02	82.0	295567	50.00	ng	91
.9)	2-NITROPHENOL	10.21	139.0	80028	50.00	ng	75
!0)	2,4-DIMETHYLPHENOL	10.36	107.0	115233	50.00	ng	93
!1)	BENZOIC ACID	10.73	122.0	44453	50.00	ng	92
'2)	BIS(-2-CHLOROETHOXY)METHANE	10.61	93.0	183511	50.00	ng	78
!3)	2,4-DICHLOROPHENOL	10.78	162.0	90685	50.00	ng	91
'4)	1,2,4-TRICHLOROBENZENE	10.96	180.0	106189	50.00	ng	97
!5)	NAPHTHALENE	11.13	128.0	332908	50.00	ng	100
!6)	4-CHLOROANILINE	11.32	127.0	141919	50.00	ng	95
'7)	HEXACHLOROBUTADIENE	11.57	225.0	58901	50.00	ng	78
'8)	4-CHLORO-3-METHYLPHENOL	12.57	107.0	113168	50.00	ng	100
'9)	2-METHYLNAPHTHALENE	12.84	142.0	210146	50.00	ng	97
0)	NITROBENZENE-d5 (SS)	9.42	82.0	145112	50.00	ng	87
1)	*ACENAPHTHENE-d10 (IS)	15.53	164.0	139477	40.00	ng	90
2)	HEXACHLOROCYCLOPENTADIENE	13.40	237.0	63058	50.00	ng	95
3)	2,4,6-TRICHLOROPHENOL	13.63	196.0	66982	50.00	ng	96
4)	2,4,5-TRICHLOROPHENOL	13.72	196.0	65425	50.00	ng	95
5)	2-CHLORONAPHTHALENE	14.05	162.0	184347	50.00	ng	95
6)	2-NITROANILINE	14.45	65.0	105201	50.00	ng	58
7)	DIMETHYL PHTHALATE	15.03	163.0	252365	50.00	ng	42
8)	ACENAPHTHYLENE	15.12	152.0	327268	50.00	ng	84
9)	3-NITROANILINE	15.49	138.0	29838	50.00	ng	60
i0)	ACENAPHTHENE	15.62	153.0	207028	50.00	ng	84
i1)	2,4-DINITROPHENOL	15.74	184.0	20673	50.00	ng	100
i2)	4-NITROPHENOL	15.97	109.0	13212	50.00	ng	73
i3)	DIBENZOFURAN	16.01	168.0	263001	50.00	ng	90

	Compound	R.T.	Q ion	Area	Conc	Units	q
51)	2,4,6-TRIBROMOPHENOL (SS)	17.55	330.0	10934	19.43	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.28	188.0	191469	40.00	ng	100
54)	N-NITROSODIPHENYLAMINE	17.24	169.0	54656	25.53	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	18.16	248.0	23836	24.43	ng	96
56)	HEXACHLOROBENZENE	18.51	284.0	33040	29.45	ng	100
58)	PHENANTHRENE	19.35	178.0	107475	22.41	ng	82
59)	ANTHRACENE	19.45	178.0	98189	20.17	ng	85
60)	DI-N-BUTYLPHTHALATE	21.01	149.0	142137	18.47	ng	100
61)	FLUORANTHENE	22.41	202.0	78947	16.57	ng	94
62)	*CHRYSENE-d12 (IS)	26.12	240.0	62873	40.00	ng	100
63)	PYRENE	22.99	202.0	81348	27.09	ng	91
64)	BUTYLBENZYLPHTHALATE	24.85	149.0	34673	19.72	ng	62
65)	3,3'-DICHLOROBENZIDINE	26.10	252.0	5280	33.69	ng	100
66)	BENZO(a)ANTHRACENE	26.08	228.0	35449	18.80	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.39	149.0	44269	19.67	ng	91
68)	CHRYSENE	26.18	228.0	35303	19.03	ng	92
69)	TERPHENYL-d14 (SS)	23.45	244.0	35413	21.99	ng	100
70)	*PERYLENE-d12 (IS)	30.14	264.0	32129	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.94	149.0	53446	20.79	ng	100
72)	BENZO(b)FLUORANTHENE	28.94	252.0	26632	21.58	ng	100
73)	BENZO(k)FLUORANTHENE	29.01	252.0	15875	22.87	ng	100
74)	BENZO(a)PYRENE	29.95	252.0	19725	20.00	ng	96
75)	INDENO(1,2,3-cd)PYRENE	34.42	276.0	13223	17.14	ng	100
76)	DIBENZO(a,h)ANTHRACENE	34.53	278.0	13223	17.75	ng	100
77)	BENZO(g,h,i)PERYLENE	35.68	276.0	14460	18.65	ng	100

* Compound is ISTD



MS data file header from : >F6111

Sample: INST ID 6F SSTD050 Operator: TERMINAL62MS 9/11/89 8:59
Misc : 100ul 43384,43379 200ul MeCl2 IS=40ng 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAMES Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

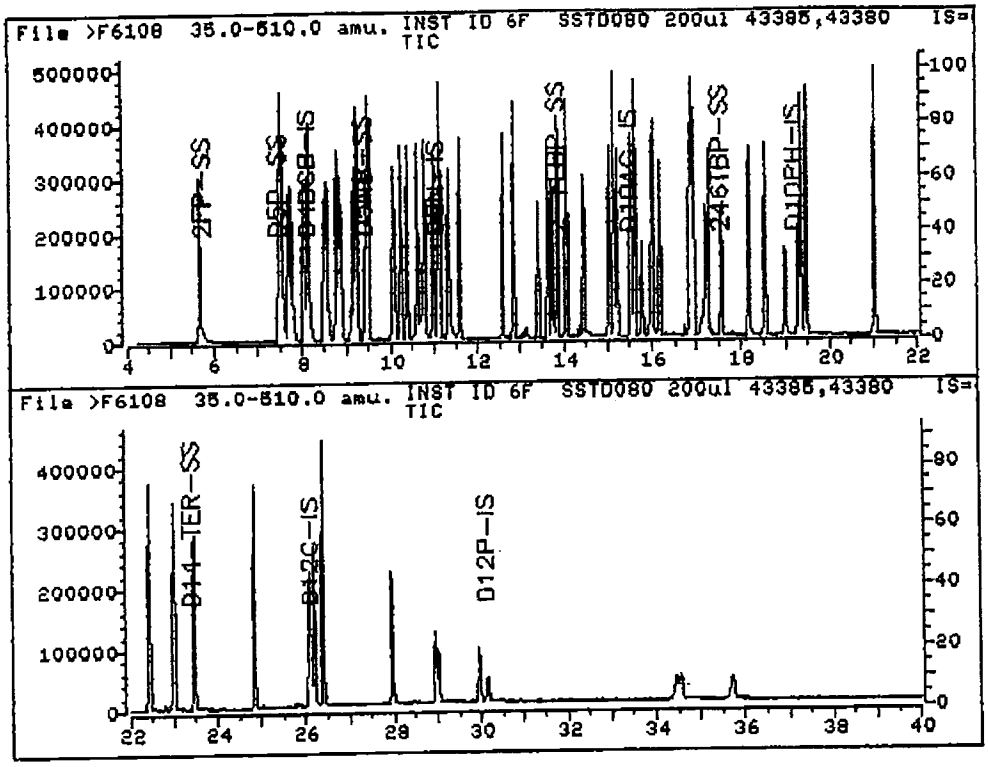
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890911 06:32
Output File: ^F6108::QT Injected at: 890911 05:49
Data File: >F6108::D1 Dilution Factor: 1.00000
Name: INST ID 6F SSTD080
Misc: 200ul 43385,43380 IS=40ng 8ul 43376 BTL# 2

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890908 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	8.11	152.0	65346	40.00	ng	89
2)	PHENOL	7.53	94.0	223845	121.70	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.69	93.0	226886	130.56	ng	73
4)	2-CHLOROPHENOL	7.74	128.0	191436	100.37	ng	82
5)	1,3-DICHLOROBENZENE	8.03	146.0	197059	82.53	ng	91
6)	1,4-DICHLOROBENZENE	8.15	146.0	164662	73.90	ng	93
7)	BENZYL ALCOHOL	8.51	108.0	118551	110.15	ng	73
8)	1,2-DICHLOROBENZENE	8.55	146.0	190937	81.59	ng	91
9)	2-METHYLPHENOL	8.80	108.0	168466	120.96	ng	88
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.86	45.0	511414	134.15	ng	100
11)	4-METHYLPHENOL	9.18	108.0	144586	91.17	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.26	70.0	169564	141.28	ng	46
13)	HEXACHLOROETHANE	9.24	117.0	82520	97.42	ng	86
14)	2-FLUOROPHENOL (SS)	5.67	112.0	139009	105.16	ng	59
15)	PHENOL-d5 (SS)	7.49	99.0	213257	128.89	ng	73
16)	*NAPHTHALENE-d8 (IS)	11.07	136.0	267894	40.00	ng	100
17)	NITROBENZENE	9.51	77.0	437790	130.10	ng	64
18)	ISOPHORONE	10.07	82.0	486597	136.40	ng	85
19)	2-NITROPHENOL	10.24	139.0	135649	78.46	ng	61
20)	2,4-DIMETHYLPHENOL	10.39	107.0	186276	107.93	ng	88
21)	BENZOIC ACID	10.82	122.0	89025M	94.39	ng	92
22)	BIS(-2-CHLOROETHOXY)METHANE	10.64	93.0	298019	140.57	ng	68
23)	2,4-DICHLOROPHENOL	10.80	162.0	138056	67.15	ng	91
24)	1,2,4-TRICHLOROBENZENE	10.99	180.0	160213	66.79	ng	93
25)	NAPHTHALENE	11.14	128.0	419258	85.64	ng	100
26)	4-CHLOROANILINE	11.35	127.0	227154	97.56	ng	98
27)	HEXACHLOROBUTADIENE	11.60	225.0	92107	73.29	ng	84
28)	4-CHLORO-3-METHYLPHENOL	12.58	107.0	166390	97.89	ng	100
29)	2-METHYLNAPHTHALENE*	12.85	142.0	274322	70.48	ng	95
30)	NITROBENZENE-d5 (SS)	9.45	82.0	234475	136.41	ng	84
31)	*ACENAPHTHENE-d10 (IS)	15.54	164.0	139791	40.00	ng	93
32)	HEXACHLOROCYCLOPENTADIENE	13.41	237.0	101006	84.88	ng	93
33)	2,4,6-TRICHLOROPHENOL	13.64	196.0	97043	75.96	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.73	196.0	102082	84.55	ng	99
35)	2-CHLORONAPHTHALENE	14.08	162.0	288080	85.78	ng	89
36)	2-NITROANILINE	14.46	65.0	173354	150.83	ng	66
37)	DIMETHYL PHTHALATE	15.04	163.0	369173	76.73	ng	97
38)	ACENAPHTHYLENE	15.15	152.0	491338	83.46	ng	89
39)	3-NITROANILINE	15.52	138.0	47272	197.06	ng	65
40)	ACENAPHTHENE	15.63	153.0	278412	75.01	ng	85
41)	2,4-DINITROPHENOL	15.77	184.0	46841	78.35	ng	100
42)	4-NITROPHENOL	15.98	109.0	29020^	108.37	ng	87
43)	DIBENZOFURAN	16.04	168.0	421239	84.60	ng	75

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	16.19	165.0	145456	84.44	ng	89
45)	2,6-DINITROTOLUENE	15.21	165.0	93632	81.63	ng	77
46)	DIETHYLPHTHALATE	16.86	149.0	380662	76.86	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.94	204.0	140134	75.71	ng	100
48)	FLUORENE	16.92	166.0	276435	69.42	ng	94
49)	4-NITROANILINE	17.13	138.0	37222	50.49	ng	88
50)	2-FLUOROBIPHENYL (SS)	13.85	172.0	313410	87.85	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.57	330.0	59165	105.16	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.30	188.0	217570	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.21	198.0	67588	74.63	ng	100
54)	N-NITROSODIPHENYLAMINE	17.28	169.0	216316	88.93	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	18.17	248.0	94483	85.23	ng	89
56)	HEXACHLOROBENZENE	18.53	284.0	122160	95.82	ng	100
57)	PENTACHLOROPHENOL	18.99	266.0	52466	90.18	ng	100
58)	PHENANTHRENE	19.37	178.0	399664	73.34	ng	81
59)	ANTHRACENE	19.49	178.0	421811	76.27	ng	86
60)	DI-N-BUTYLPHTHALATE	21.04	149.0	548026	62.67	ng	100
61)	FLUORANTHENE	22.44	202.0	370106	68.36	ng	96
62)	*CHRYSENE-d12 (IS)	26.13	240.0	80820	40.00	ng	100
63)	PYRENE	23.00	202.0	393355	101.91	ng	97
64)	BUTYLBENZYLPHTHALATE	24.86	149.0	178362	78.90	ng	72
65)	3,3'-DICHLOROBENZIDINE	26.11	252.0	15350	76.19	ng	100
66)	BENZO(a)ANTHRACENE	26.09	228.0	191100	78.82	ng	85
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.41	149.0	209419	72.39	ng	98
68)	CHRYSENE	26.22	228.0	186489	78.22	ng	91
69)	TERPHENYL-d14 (SS)	23.48	244.0	201831	97.51	ng	100
70)	*PERYLENE-d12 (IS)	30.15	264.0	38692	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.93	149.0	256274	82.78	ng	100
72)	BENZO(b)FLUORANTHENE	28.96	252.0	134150	90.26	ng	100
73)	BENZO(k)FLUORANTHENE	29.02	252.0	77306	92.48	ng	100
74)	BENZO(a)PYRENE	29.96	252.0	100083	84.27	ng	94
75)	INDENO(1,2,3-cd)PYRENE	34.44	276.0	69772	75.10	ng	100
76)	DIBENZO(a,h)ANTHRACENE	34.57	278.0	68989	76.88	ng	100
77)	BENZO(g,h,i)PERYLENE	35.72	276.0	68775	73.64	ng	100

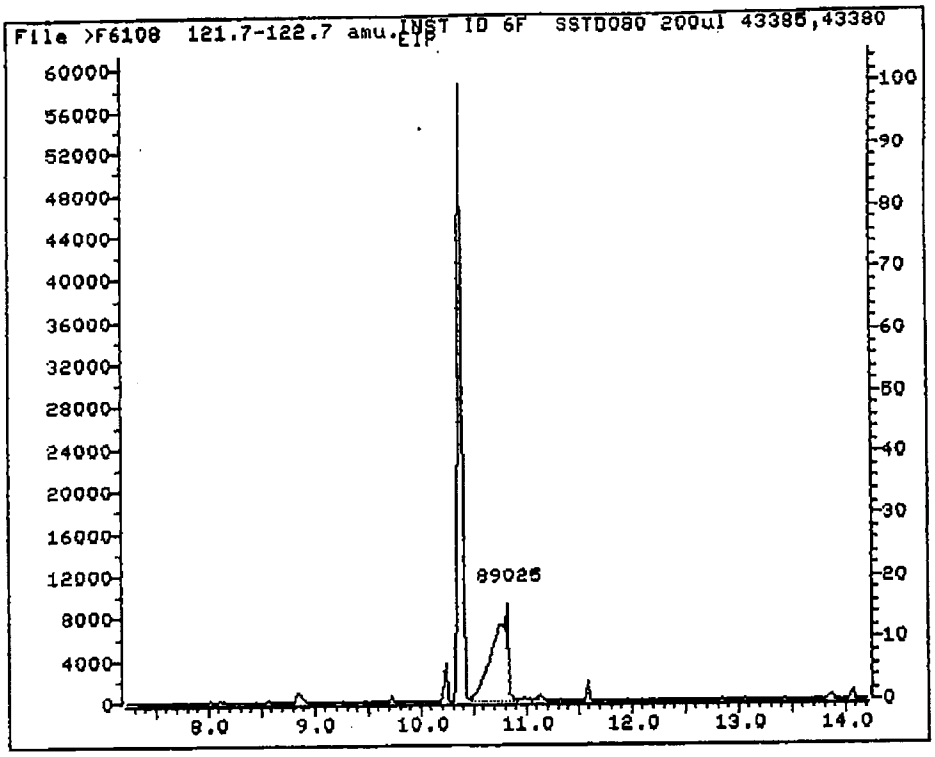
* Compound is ISTD



MS data file header from : >F6108

Sample: INST ID 6F SSTD080 Operator: TERMINAL62MS 9/11/89 5:49
Misc : 200ul 43385,43380 IS=40ng 8ul 43376 BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6108::D1 Quant Output File: ^F6108::QT
Name: INST ID 6F SSTD080
Misc: 200ul 43385,43380 IS=40ng 8ul 43376 BTL# 2
Quant Time: 890911 06:32 Quant ID File: CLPID6::D7
Injected at: 890911 05:49 Last Calibration: 890908 11:18

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 318
Retention Time: 10.82 min.
Quant Ion: 122.0
Area: 89025M
Concentration: 94.39 ng
q-value: 92

This report was produced by QAREA on: 890911 07:50

QUANT REPORT

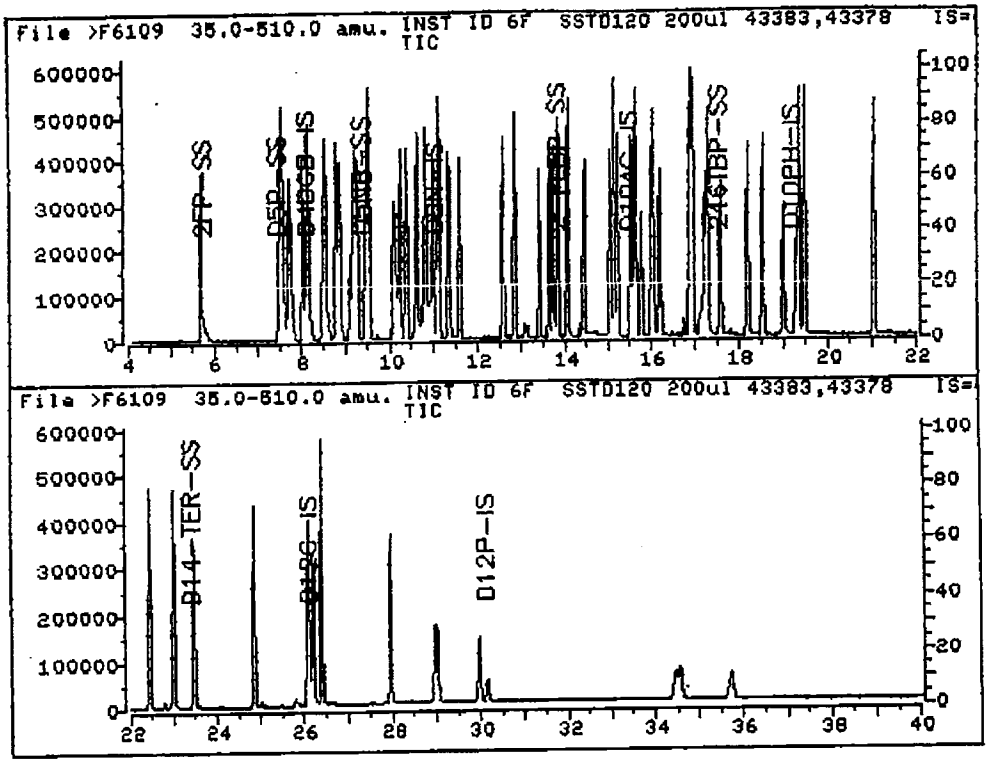
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890911 07:23
Output File: ^F6109::QT Injected at: 890911 06:40
Data File: >F6109::D1 Dilution Factor: 1.00000
Name: INST ID 6F SSTD120
Misc: 200ul 43383,43378 IS=40ng 8ul 43376 BTL# 3

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890908 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	8.12	152.0	67013	40.00	ng	86
2)	PHENOL	7.56	94.0	306332	162.40	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.71	93.0	287174	161.14	ng	82
4)	2-CHLOROPHENOL	7.75	128.0	276327	141.27	ng	80
5)	1,3-DICHLOROBENZENE	8.04	146.0	266710	108.92	ng	91
6)	1,4-DICHLOROBENZENE	8.17	146.0	265302	116.11	ng	89
7)	BENZYL ALCOHOL	8.54	108.0	164977	149.48	ng	77
8)	1,2-DICHLOROBENZENE	8.56	146.0	241452	100.61	ng	90
9)	2-METHYLPHENOL	8.81	108.0	222871	156.04	ng	90
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.87	45.0	729446	186.58	ng	100
11)	4-METHYLPHENOL	9.21	108.0	259768M	159.73	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.29	70.0	209222	169.98	ng	46
13)	HEXACHLOROETHANE	9.25	117.0	113198	130.31	ng	91
14)	2-FLUOROPHENOL (SS)	5.69	112.0	205941	151.92	ng	54
15)	PHENOL-d5 (SS)	7.52	99.0	288791	170.20	ng	68
16)	*NAPHTHALENE-d8 (IS)	11.09	136.0	275769	40.00	ng	100
17)	NITROBENZENE	9.54	77.0	526740	152.06	ng	62
18)	ISOPHORONE	10.11	82.0	699172	190.39	ng	89
19)	2-NITROPHENOL	10.25	139.0	183399	103.05	ng	69
20)	2,4-DIMETHYLPHENOL	10.42	107.0	277694	156.30	ng	89
21)	BENZOIC ACID	10.88	122.0	167133M	172.14	ng	89
22)	BIS(-2-CHLOROETHOXY)METHANE	10.65	93.0	374604	171.65	ng	80
23)	2,4-DICHLOROPHENOL	10.84	162.0	224684	106.16	ng	91
24)	1,2,4-TRICHLOROBENZENE	11.00	180.0	231041	93.56	ng	95
25)	NAPHTHALENE	11.15	128.0	636766	126.36	ng	100
26)	4-CHLOROANILINE	11.36	127.0	310520	129.55	ng	96
27)	HEXACHLOROBUTADIENE	11.61	225.0	126673	97.92	ng	84
28)	4-CHLORO-3-METHYLPHENOL	12.59	107.0	238712	136.43	ng	100
29)	2-METHYLNAPHTHALENE	12.86	142.0	372031	92.85	ng	98
30)	NITROBENZENE-d5 (SS)	9.48	82.0	322904	182.49	ng	86
31)	*ACENAPHTHENE-d10 (IS)	15.54	164.0	133900	40.00	ng	91
32)	HEXACHLOROCYCLOPENTADIENE	13.43	237.0	135877	119.21	ng	98
33)	2,4,6-TRICHLOROPHENOL	13.66	196.0	140389	114.72	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.74	196.0	154008	133.17	ng	99
35)	2-CHLORONAPHTHALENE	14.09	162.0	421616	131.06	ng	94
36)	2-NITROANILINE	14.49	65.0	275184	249.96	ng	61
37)	DIMETHYL PHTHALATE	15.05	163.0	547378	118.78	ng	55
38)	ACENAPHTHYLENE	15.16	152.0	689724	122.31	ng	86
39)	3-NITROANILINE	15.56	138.0	115968	504.69	ng	57
40)	ACENAPHTHENE	15.64	153.0	402869	113.32	ng	78
41)	2,4-DINITROPHENOL	15.81	184.0	86573	151.17	ng	100
42)	4-NITROPHENOL	16.02	109.0	43172^	168.31	ng	70
43)	DIBENZOFURAN	16.06	168.0	602940	126.42	ng	82

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	16.20	165.0	192125	116.44	ng	79
45)	2,6-DINITROTOLUENE	15.22	165.0	160101	145.71	ng	78
46)	DIETHYLPHTHALATE	16.89	149.0	551545	116.27	ng	88
47)	4-CHLOROPHENYL-PHENYLETHER	16.96	204.0	178376	100.61	ng	100
48)	FLUORENE	16.94	166.0	364029	95.44	ng	98
49)	4-NITROANILINE	17.19	138.0	64141	90.84	ng	83
50)	2-FLUOROBIPHENYL (SS)	13.86	172.0	443409	129.76	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.58	330.0	100909	187.25	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.30	188.0	232243	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.25	198.0	118847	122.94	ng	100
54)	N-NITROSODIPHENYLAMINE	17.31	169.0	335438	129.19	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	18.19	248.0	129166	109.15	ng	91
56)	HEXACHLOROBENZENE	18.54	284.0	176507	129.70	ng	100
57)	PENTACHLOROPHENOL	19.00	266.0	91066	146.64	ng	100
58)	PHENANTHRENE	19.38	178.0	568387	97.72	ng	81
59)	ANTHRACENE	19.51	178.0	596203	100.99	ng	86
60)	DI-N-BUTYLPHTHALATE	21.05	149.0	796369	85.31	ng	100
61)	FLUORANTHENE	22.45	202.0	543197	93.99	ng	95
62)	*CHRYSENE-d12 (IS)	26.15	240.0	95065	40.00	ng	100
63)	PYRENE	23.02	202.0	554153	122.06	ng	99
64)	BUTYLBENZYLPHTHALATE	24.86	149.0	266528	100.24	ng	74
65)	3,3'-DICHLOROBENZIDINE	26.11	252.0	27510	116.08	ng	100
66)	BENZO(a)ANTHRACENE	26.11	228.0	303463	106.41	ng	85
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.41	149.0	284268	83.54	ng	86
68)	CHRYSENE	26.22	228.0	312641	111.48	ng	90
69)	TERPHENYL-d14 (SS)	23.48	244.0	310328	127.46	ng	100
70)	*PERYLENE-d12 (IS)	30.16	264.0	45549	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.96	149.0	422535	115.93	ng	100
72)	BENZO(b)FLUORANTHENE	28.96	252.0	231166	132.12	ng	100
73)	BENZO(k)FLUORANTHENE	29.05	252.0	142108	144.41	ng	100
74)	BENZO(a)PYRENE	29.99	252.0	170743	122.12	ng	97
75)	INDENO(1,2,3-cd)PYRENE	34.47	276.0	130714	119.52	ng	100
76)	DIBENZO(a,h)ANTHRACENE	34.57	278.0	119545	113.16	ng	100
77)	BENZO(g,h,i)PERYLENE	35.75	276.0	117602	106.97	ng	100

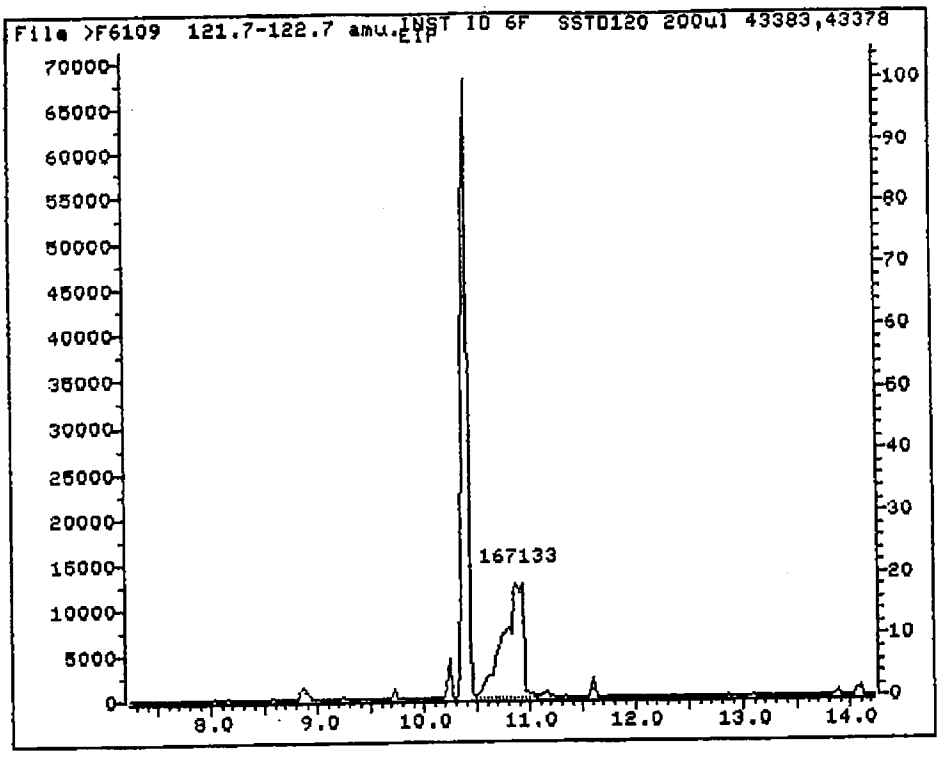
* Compound is ISTD



MS data file header from : >F6109

Sample: INST ID 6F SSTD120 Operator: TERMINAL62MS 9/11/89 6:40
Misc : 200ul 43383,43378 IS=40ng 8ul 43376 BTL# 3
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

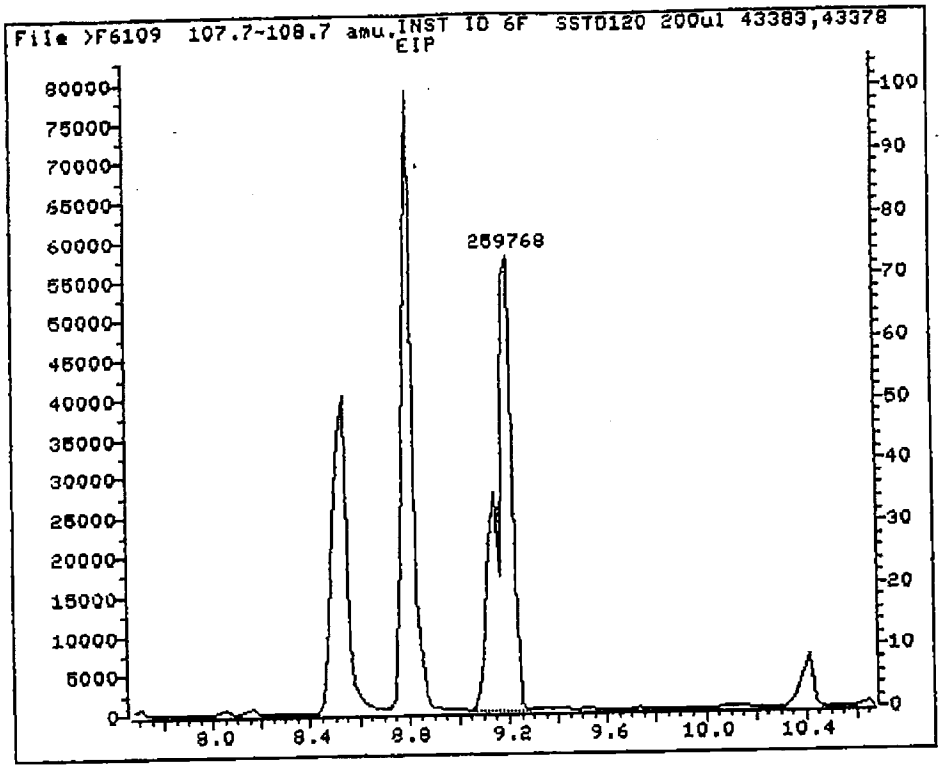
Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6109::D1 Quant Output File: ^F6109::QT
Name: INST ID 6F SSTD120
Misc: 200ul 43383,43378 IS=40ng 8ul 43376 BTL# 3
Quant Time: 890911 07:23 Quant ID File: CLPID6::D7
Injected at: 890911 06:40 Last Calibration: 890908 11:18

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 325
Retention Time: 10.88 min.
Quant Ion: 122.0
Area: 167133M
Concentration: 172.14 ng
q-value: 89

This report was produced by QAREA on: 890911 07:40



Data File: >F6109::D1 Quant Output File: ^F6109::QT
Name: INST ID 6F SSTD120
Misc: 200ul 43383,43378 IS=40ng 8ul 43376 BTL# 3
Quant Time: 890911 07:23 Quant ID File: CLPID6::D7
Injected at: 890911 06:40 Last Calibration: 890908 11:18

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 245
Retention Time: 9.21 min.
Quant Ion: 108.0
Area: 259768M
Concentration: 159.73 ng
q-value: 96

This report was produced by QAREA on: 890911 07:42

QUANT REPORT

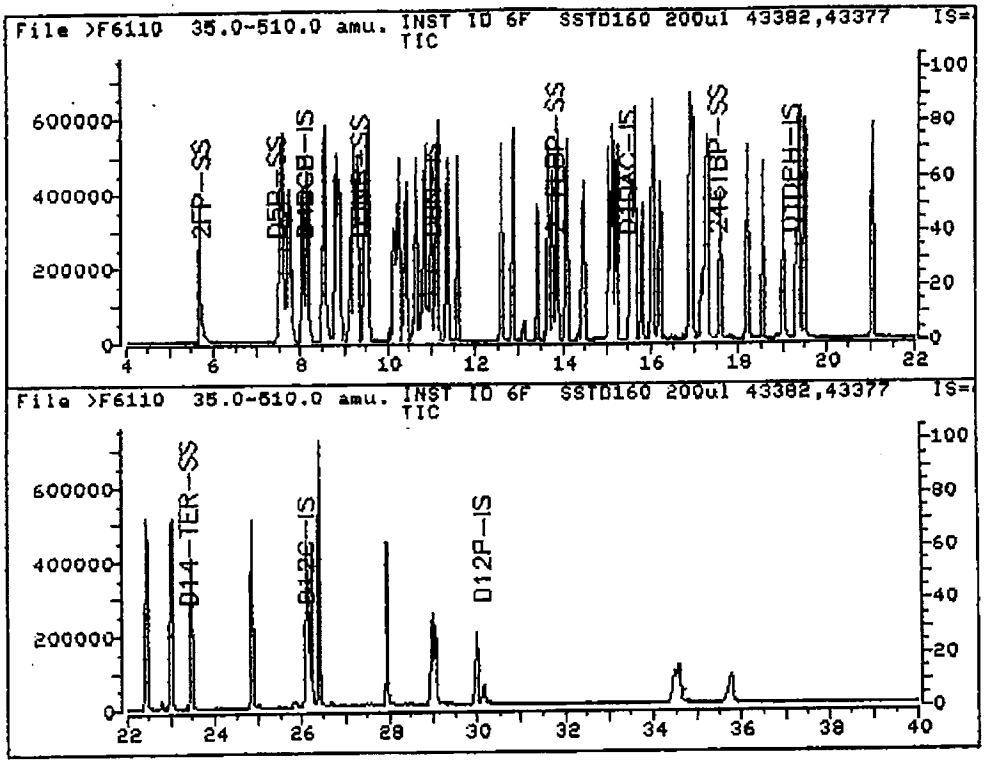
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890911 08:13
Output File: ^F6110::QT Injected at: 890911 07:31
Data File: >F6110::D1 Dilution Factor: 1.00000
Name: INST ID 6F SSTD160
Misc: 200ul 43382,43377 IS=40ng 8ul 43376 BTL# 4

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890908 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	8.12	152.0	65622	40.00	ng	87
2)	PHENOL	7.58	94.0	356596	193.05	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.73	93.0	376368	215.67	ng	80
4)	2-CHLOROPHENOL	7.77	128.0	344113	179.65	ng	74
5)	1,3-DICHLOROBENZENE	8.06	146.0	349620	145.80	ng	91
6)	1,4-DICHLOROBENZENE	8.16	146.0	305876	136.71	ng	91
7)	BENZYL ALCOHOL	8.54	108.0	203911	188.67	ng	77
8)	1,2-DICHLOROBENZENE	8.58	146.0	284356	121.00	ng	90
9)	2-METHYLPHENOL	8.83	108.0	281885	201.54	ng	88
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.90	45.0	885236	231.23	ng	100
11)	4-METHYLPHENOL	9.17	108.0	321804M	202.07	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.33	70.0	329411	273.30	ng	46
13)	HEXACHLOROETHANE	9.25	117.0	121362	142.67	ng	73
14)	2-FLUOROPHENOL (SS)	5.68	112.0	276640	208.41	ng	67
15)	PHENOL-d5 (SS)	7.54	99.0	347740	209.28	ng	66
16)	*NAPHTHALENE-d8 (IS)	11.11	136.0	282116	40.00	ng	100
17)	NITROBENZENE	9.56	77.0	646703	182.49	ng	63
18)	ISOPHORONE	10.15	82.0	867061	230.79	ng	88
19)	2-NITROPHENOL	10.27	139.0	261542	143.64	ng	70
20)	2,4-DIMETHYLPHENOL	10.44	107.0	362934	199.68	ng	89
21)	BENZOIC ACID	10.92	122.0	210339M	211.77	ng	92
22)	BIS(-2-CHLOROETHOXY)METHANE	10.67	93.0	461077	206.52	ng	76
23)	2,4-DICHLOROPHENOL	10.86	162.0	292737	135.20	ng	91
24)	1,2,4-TRICHLOROBENZENE	11.00	180.0	285294	112.94	ng	95
25)	NAPHTHALENE	11.17	128.0	713077	138.32	ng	100
26)	4-CHLOROANILINE	11.38	127.0	369403	150.65	ng	95
27)	HEXACHLOROBUTADIENE	11.61	225.0	143906	108.74	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.61	107.0	300587	167.93	ng	100
29)	2-METHYLNAPHTHALENE	12.88	142.0	543273	132.53	ng	97
30)	NITROBENZENE-d5 (SS)	9.50	82.0	401704	221.92	ng	87
31)	*ACENAPHTHENE-d10 (IS)	15.54	164.0	137958	40.00	ng	92
32)	HEXACHLOROCYCLOPENTADIENE	13.43	237.0	180705	153.88	ng	98
33)	2,4,6-TRICHLOROPHENOL	13.68	196.0	199841	158.50	ng	94
34)	2,4,5-TRICHLOROPHENOL	13.68	196.0	199841	167.72	ng	98
35)	2-CHLORONAPHTHALENE	14.10	162.0	530234	159.98	ng	94
36)	2-NITROANILINE	14.49	65.0	366412	323.03	ng	63
37)	DIMETHYL PHTHALATE	15.08	163.0	725327	152.76	ng	60
38)	ACENAPHTHYLENE	15.16	152.0	889315	153.07	ng	87
39)	3-NITROANILINE	15.58	138.0	184495	779.30	ng	60
40)	ACENAPHTHENE	15.66	153.0	503757	137.53	ng	82
41)	2,4-DINITROPHENOL	15.83	184.0	133621	226.46	ng	100
42)	4-NITROPHENOL	16.04	109.0	57123	216.15	ng	55
43)	DIBENZOFURAN	16.06	168.0	716396	145.79	ng	78

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	16.23	165.0	259842	152.85	ng	77
45)	2,6-DINITROTOLUENE	15.26	165.0	211068	186.45	ng	68
46)	DIETHYLPHTHALATE	16.89	149.0	622344	127.33	ng	90
47)	4-CHLOROPHENYL-PHENYLETHER	16.98	204.0	216192	118.35	ng	100
48)	FLUORENE	16.94	166.0	426998	108.65	ng	95
49)	4-NITROANILINE	17.19	138.0	142088	195.31	ng	88
50)	2-FLUOROBIPHENYL (SS)	13.89	172.0	509185	144.62	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.61	330.0	141432	254.72	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.32	188.0	243040	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.27	198.0	158505	156.68	ng	100
54)	N-NITROSODIPHENYLAMINE	17.31	169.0	397444	146.27	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	18.21	248.0	181889	146.88	ng	86
56)	HEXACHLOROBENZENE	18.55	284.0	258379	181.43	ng	100
57)	PENTACHLOROPHENOL	19.03	266.0	138169	212.61	ng	100
58)	PHENANTHRENE	19.41	178.0	794988	130.60	ng	83
59)	ANTHRACENE	19.51	178.0	791222	128.07	ng	85
60)	DI-N-BUTYLPHTHALATE	21.06	149.0	880333	90.11	ng	100
61)	FLUORANTHENE	22.46	202.0	745627	123.29	ng	95
62)	*CHRYSENE-d12 (IS)	26.16	240.0	106705	40.00	ng	100
63)	PYRENE	23.02	202.0	766721	150.45	ng	98
64)	BUTYLBENZYLPHTHALATE	24.86	149.0	369801	123.90	ng	77
65)	3,3'-DICHLOROBENZIDINE	26.10	252.0	51273	192.75	ng	100
66)	BENZO(a)ANTHRACENE	26.12	228.0	420187	131.27	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.41	149.0	392462	102.75	ng	96
68)	CHRYSENE	26.24	228.0	424046	134.72	ng	89
69)	TERPHENYL-d14 (SS)	23.48	244.0	433766	158.72	ng	100
70)	*PERYLENE-d12 (IS)	30.14	264.0	50980	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.94	149.0	607799	149.00	ng	100
72)	BENZO(b)FLUORANTHENE	28.99	252.0	337499	172.35	ng	100
73)	BENZO(k)FLUORANTHENE	29.05	252.0	227075	206.16	ng	100
74)	BENZO(a)PYRENE	30.00	252.0	257188	164.35	ng	97
75)	INDENO(1,2,3-cd)PYRENE	34.50	276.0	208277	170.16	ng	100
76)	DIBENZO(a,h)ANTHRACENE	34.60	278.0	189014	159.86	ng	100
77)	BENZO(g,h,i)PERYLENE	35.78	276.0	180002	146.29	ng	100

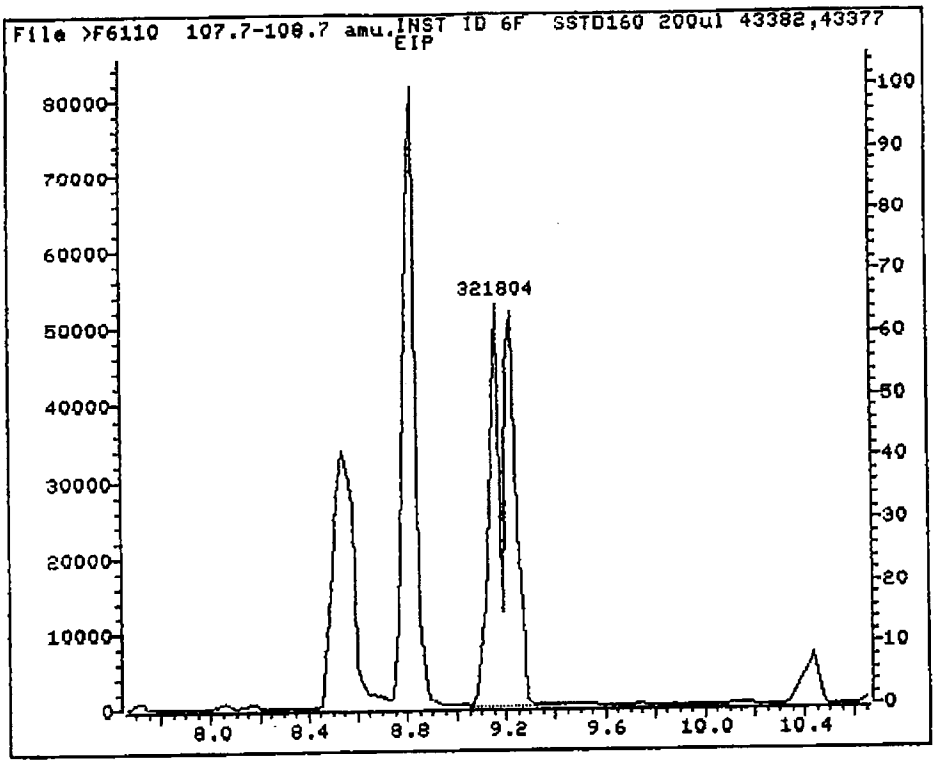
* Compound is ISTD



MS data file header from : >F6110

Sample: INST ID 6F SSTD160 Operator: TERMINAL62MS 9/11/89 7:31
Misc : 200ul 43382,43377 IS=40ng 8ul 43378 BTL# 4
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAMES Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

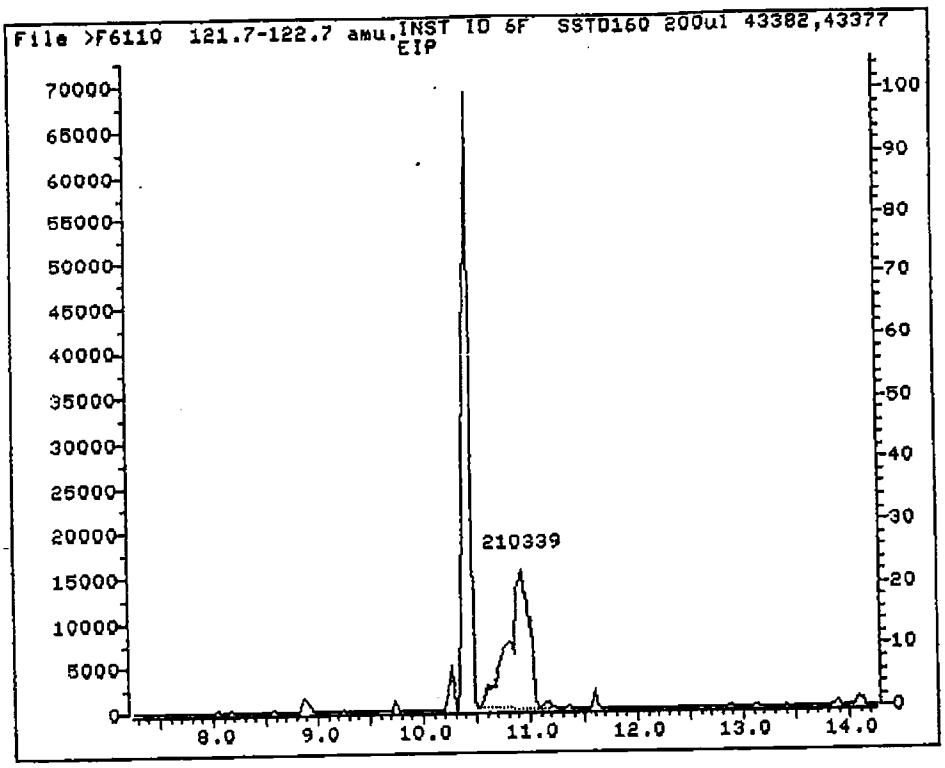
Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6110::D1 Quant Output File: ^F6110::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43382,43377 IS=40ng 8ul 43376 BTL# 4
Quant Time: 890911 08:13 Quant ID File: CLPID6::D7
Injected at: 890911 07:31 Last Calibration: 890908 11:18

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 245
Retention Time: 9.17 min.
Quant Ion: 108.0
Area: 321804M
Concentration: 202.07 ng
q-value: 96

This report was produced by QAREA on: 890911 08:24



Data File: >F6110::D1 Quant Output File: ^F6110::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43382,43377 IS=40ng 8ul 43376 BTL# 4
Quant Time: 890911 08:13 Quant ID File: CLPID6::D7
Injected at: 890911 07:31 Last Calibration: 890908 11:18

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 329
Retention Time: 10.92 min.
Quant Ion: 122.0
Area: 210339M
Concentration: 211.77 ng
q-value: 92

This report was produced by QAREA on: 890911 08:34

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890911 10:00

Check Standard Data File: >F6170
Injection Time: 890914 01:11

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
PHENOL	1.69841	1.80461	6.25	Average✓
BIS(-2-CHLOROETHYL)ETHER	1.65206	1.87528	13.51	Average
2-CHLOROPHENOL	1.42174	1.56456	10.05	Average
1,3-DICHLOROBENZENE	1.45053	1.60179	10.43	Average
1,4-DICHLOROBENZENE	1.38021	1.46928	6.45	Average✓
BENZYL ALCOHOL	.87084	.87502	.48	Average
1,2-DICHLOROBENZENE	1.37175	1.53764	12.09	Average
2-METHYLPHENOL	1.21225	1.32323	9.16	Average
BIS(2-CHLOROISOPROPYL)ETHER	3.76173	4.21996	12.18	Average
4-METHYLPHENOL	1.26445	1.38428	9.48	Average
N-NITROSO-DI-n-PROPYLAMINE	1.29138	.01724	98.66	Average
HEXACHLOROETHANE	.64055	.68643	7.16	Average
2-FLUOROPHENOL (SS)	1.14323	1.22528	7.18	Average
PHENOL-d5 (SS)	1.57138	1.99565	20.64	Average
NITROBENZENE	.76521	.92416	20.77	Average
ISOPHORONE	.88701	.92691	4.50	Average
2-NITROPHENOL	.24519	.28841	17.63	Average✓
2,4-DIMETHYLPHENOL	.35434	.34807	1.77	Average
BENZOIC ACID	.17390	.13853	20.34	Average
BIS(-2-CHLOROETHOXY)METHANE	.52689	.57032	8.24	Average
2,4-DICHLOROPHENOL	.27252	.27239	.05	Average✓
1,2,4-TRICHLOROBENZENE	.30816	.31691	5.58	Average
NAPHTHALENE	.85066	1.00335	16.85	Average
4-CHLOROANILINE	.39755	.43047	8.28	Average
HEXACHLOROBUTADIENE	.16811	.15657	6.86	Average✓
4-CHLORO-3-METHYLPHENOL	.31107	.31309	.39	Average✓
2-METHYLNAPHTHALENE	.55239	.65531	18.63	Average
NITROBENZENE-d5 (SS)	.42293	.47706	12.80	Average
HEXACHLOROCYCLOPENTADIENE	.35378	.29710✓	16.02	Average
2,4,6-TRICHLOROPHENOL	.36864	.37587	4.03	Average✓
2,4,5-TRICHLOROPHENOL	.37140	.40746	9.68	Average
2-CHLORONAPHTHALENE	1.05961	1.18120	12.44	Average
2-NITROANILINE	.64312	.71292	10.85	Average
DIMETHYL PHTHALATE	1.37321	1.39249	1.40	Average
ACENAPHTHYLENE	1.77885	2.06419	16.04	Average
3-NITROANILINE	.24881	.39893	62.34	Average
ACENAPHTHENE	1.06263	1.12896	6.24	Average✓
2,4-DINITROPHENOL	.18594	.24858✓	33.64	Average
4-NITROPHENOL	.09764	.13911✓	42.47	Average
DIBENZOFURAN	1.49373	1.62312	8.66	Average

RF - Response factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890911 10:00

Check Standard Data File: >F6170
Injection Time: 890914 01:11

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
2,4-DINITROTOLUENE	.46695	.54139	15.94	Average
2,6-DINITROTOLUENE	.36342	.33223	8.58	Average
DIETHYLPHTHALATE	1.37856	1.40348	1.80	Average
4-CHLOROPHENYL-PHENYLETHER	.49906	.54373	8.95	Average
FLUORENE	.99746	1.20866	21.17	Average
4-NITROANILINE	.15704	.40020	154.84	Average
2-FLUOROBIPHENYL (SS)	1.11402	1.23248	10.63	Average
2,4,6-TRIBROMOPHENOL (SS)	.21507	.20522	4.58	Average
4,6-DINITRO-2-METHYLPHENOL	.15697	.18752	19.46	Average
N-NITROSODIPHENYLAMINE	.50212	.51057	1.68	Average✓
4-BROMOPHENYL-PHENYLETHER	.21433	.20988	2.08	Average
HEXACHLOROBENZENE	.30123	.25375	15.76	Average
PENTACHLOROPHENOL	.12228	.12693	3.80	Average✓
PHENANTHRENE	.94557	1.01965	7.84	Average
ANTHRACENE	.93370	1.08779	16.50	Average
DI-N-BUTYLPHTHALATE	1.24956	1.52310	21.89	Average
FLUORANTHENE	.81306	1.01252	24.53	Average✓
PYRENE	2.27143	2.98977	31.62	Average
BUTYLBENZYLPHTHALATE	1.01053	1.09682	8.54	Average
3,3'-DICHLOROBENZIDINE	.12071	.14768	22.34	Average
BENZO(a)ANTHRACENE	1.10901	1.23858	11.68	Average
BIS(2-ETHYLHEXYL)PHTHALATE	1.17937	1.13495	3.77	Average
CHRYSENE	1.12384	1.12072	.28	Average
TERPHENYL-d14 (SS)	1.15524	1.58977	37.61	Average
DI-N-OCTYL PHTHALATE	3.22638	3.29107	2.01	Average✓
BENZO(b)FLUORANTHENE	1.70662	2.07992	21.87	Average
BENZO(k)FLUORANTHENE	1.04629	1.23401	18.02	Average
BENZO(a)PYRENE	1.20839	1.45522	13.65	Average✓
INDENO(1,2,3-cd)PYRENE	.90893	.88682	2.43	Average
DIBENZO(a,h)ANTHRACENE	.87015	.81430	6.41	Average
BENZO(g,h,i)PERYLENE	.87856	.77469	11.81	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

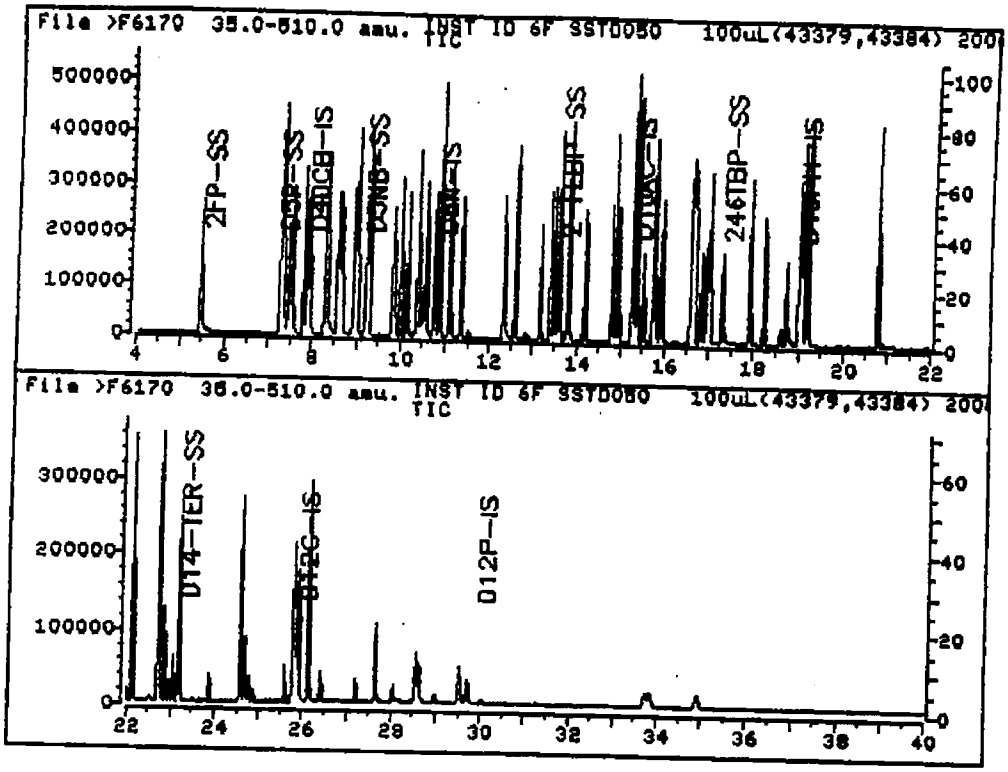
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Output File: ^F6170::QT Injected at: 890914 01:11
Data File: >F6170::D2 Dilution Factor: 1.00000
Name: INST ID 6F SSTD050
Misc: 100uL(43379,43384) 200uL MECL2 IS=40,43376BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.91	152.0	86444	40.00	ng	83
2)	PHENOL	7.33	94.0	194997	50.00	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.47	93.0	202633	50.00	ng	84
4)	2-CHLOROPHENOL	7.54	128.0	169059	50.00	ng	80
5)	1,3-DICHLOROBENZENE	7.83	146.0	173081	50.00	ng	90
6)	1,4-DICHLOROBENZENE	7.93	146.0	158754	50.00	ng	95
7)	BENZYL ALCOHOL	8.31	108.0	94550	50.00	ng	81
8)	1,2-DICHLOROBENZENE	8.35	146.0	166150	50.00	ng	89
9)	2-METHYLPHENOL	8.58	108.0	142982	50.00	ng	94
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.64	45.0	455988	50.00	ng	100
11)	4-METHYLPHENOL	8.95	108.0	149578	50.00	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	9.04	70.0	137605	50.00	ng	50
13)	HEXACHLOROETHANE	9.02	117.0	74172	50.00	ng	88
14)	2-FLUOROPHENOL (SS)	5.49	112.0	132398	50.00	ng	28
15)	PHENOL-d5 (SS)	7.31	99.0	204834	50.00	ng	83
16)	*NAPHTHALENE-d8 (IS)	10.85	136.0	339328	40.00	ng	100
17)	NITROBENZENE	9.29	77.0	391993	50.00	ng	69
18)	ISOPHORONE	9.85	82.0	393160	50.00	ng	86
19)	2-NITROPHENOL	10.02	139.0	122330	50.00	ng	67
20)	2,4-DIMETHYLPHENOL	10.18	107.0	147638	50.00	ng	91
21)	BENZOIC ACID	10.56	122.0	58760	50.00	ng	97
22)	BIS(-2-CHLOROETHOXY)METHANE	10.41	93.0	241907	50.00	ng	75
23)	2,4-DICHLOROPHENOL	10.58	162.0	115535	50.00	ng	94
24)	1,2,4-TRICHLOROBENZENE	10.77	180.0	134419	50.00	ng	95
25)	NAPHTHALENE	10.92	128.0	425579	50.00	ng	100
26)	4-CHLOROANILINE	11.12	127.0	182588	50.00	ng	94
27)	HEXACHLOROBUTADIENE	11.37	225.0	66412	50.00	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.35	107.0	132801	50.00	ng	100
29)	2-METHYLNAPHTHALENE	12.63	142.0	277956	50.00	ng	97
30)	NITROBENZENE-d5 (SS)	9.25	82.0	202350	50.00	ng	84
31)	*ACENAPHTHENE-d10 (IS)	15.30	164.0	170023	40.00	ng	90
32)	HEXACHLOROCYCLOPENTADIENE	13.19	237.0	63143	50.00	ng	91
33)	2,4,6-TRICHLOROPHENOL	13.42	196.0	79713	50.00	ng	96
34)	2,4,5-TRICHLOROPHENOL	13.50	196.0	86596	50.00	ng	99
35)	2-CHLORONAPHTHALENE	13.84	162.0	251056	50.00	ng	89
36)	2-NITROANILINE	14.21	65.0	151516	50.00	ng	64
37)	DIMETHYL PHTHALATE	14.80	163.0	295945	50.00	ng	58
38)	ACENAPHTHYLENE	14.90	152.0	438699	50.00	ng	88
39)	3-NITROANILINE	15.30	138.0	83084	50.00	ng	54
40)	ACENAPHTHENE	15.38	153.0	239937	50.00	ng	86
41)	2,4-DINITROPHENOL	15.53	184.0	52813	50.00	ng	100
42)	4-NITROPHENOL	15.76	109.0	29564	50.00	ng	75
43)	DIBENZOFURAN	15.78	168.0	344960	50.00	ng	87

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	15.94	165.0	115060	50.00	ng	83
45)	2,6-DINITROTOLUENE	14.96	165.0	70609	50.00	ng	78
46)	DIETHYLPHTHALATE	16.61	149.0	298262	50.00	ng	93
47)	4-CHLOROPHENYL-PHENYLETHER	16.70	204.0	115559	50.00	ng	100
48)	FLUORENE	16.65	166.0	256874	50.00	ng	98
49)	4-NITROANILINE	16.88	138.0	85055	50.00	ng	87
50)	2-FLUOROBIPHENYL (SS)	13.63	172.0	261920	50.00	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.30	330.0	43616	50.00	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.04	188.0	278948	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.97	198.0	65384	50.00	ng	100
54)	N-NITROSODIPHENYLAMINE	17.03	169.0	178028	50.00	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	17.93	248.0	73181	50.00	ng	91
56)	HEXACHLOROBENZENE	18.26	284.0	88479	50.00	ng	100
57)	PENTACHLOROPHENOL	18.74	266.0	44260	50.00	ng	100
58)	PHENANTHRENE	19.10	178.0	355538	50.00	ng	81
59)	ANTHRACENE	19.23	178.0	379296	50.00	ng	83
60)	DI-N-BUTYLPHTHALATE	20.79	149.0	531083	50.00	ng	100
61)	FLUORANTHENE	22.17	202.0	353049	50.00	ng	94
62)	*CHRYSENE-d12 (IS)	25.85	240.0	93195	40.00	ng	100
63)	PYRENE	22.73	202.0	348289	50.00	ng	90
64)	BUTYLBENZYLPHTHALATE	24.59	149.0	127773	50.00	ng	97
65)	3,3'-DICHLOROBENZIDINE	25.81	252.0	17204	50.00	ng	100
66)	BENZO(a)ANTHRACENE	25.81	228.0	144278	50.00	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.14	149.0	132215	50.00	ng	95
68)	CHRYSENE	25.91	228.0	130557	50.00	ng	91
69)	TERPHENYL-d14 (SS)	23.19	244.0	185198	50.00	ng	100
70)	*PERYLENE-d12 (IS)	29.70	264.0	26141	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.65	149.0	107540	50.00	ng	100
72)	BENZO(b)FLUORANTHENE	28.57	252.0	67964	50.00	ng	100
73)	BENZO(k)FLUORANTHENE	28.63	252.0	40349	50.00	ng	100
74)	BENZO(a)PYRENE	29.53	252.0	47551	50.00	ng	91
75)	INDENO(1,2,3-cd)PYRENE	33.75	276.0	28978	50.00	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.86	278.0	26611	50.00	ng	100
77)	BENZO(g,h,i)PERYLENE	34.92	276.0	25314	50.00	ng	100

* Compound is ISTD



MS data file header from : >F6170

Sample: INST ID 6F SSTD050 Operator: TERMINAL62MS 9/14/89 1:11
Misc : 100uL(43379,43384) 200uL MECL2 IS=40,43376BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	50.66	50.66	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	63.07	63.07	Ok
70	Less than 2% of mass 69	.28	.45	Ok
127	40-60% of mass 198	47.16	47.16	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	7.56	7.56	Ok
275	10-30% of mass 198	20.26	20.26	Ok
365	Greater than 1% of mass 198	2.41	2.41	Ok
441	0-100% of mass 443	13.52	85.94	Ok
442	Greater than 40% of mass 198	86.52	86.52	Ok
443	17-23% of mass 442	15.73	18.18	Ok

Injection Date: 09/13/89
Injection Time: 18:48
Data File: >F6165
Scan: 402

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	58.17	58.17	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.33	65.33	Ok
70	Less than 2% of mass 69	.27	.41	Ok
127	40-60% of mass 198	42.40	42.40	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.59	6.59	Ok
275	10-30% of mass 198	18.32	18.32	Ok
365	Greater than 1% of mass 198	1.73	1.73	Ok
441	0-100% of mass 443	9.69	92.67	Ok
442	Greater than 40% of mass 198	58.91	58.91	Ok
443	17-23% of mass 442	10.45	17.74	Ok

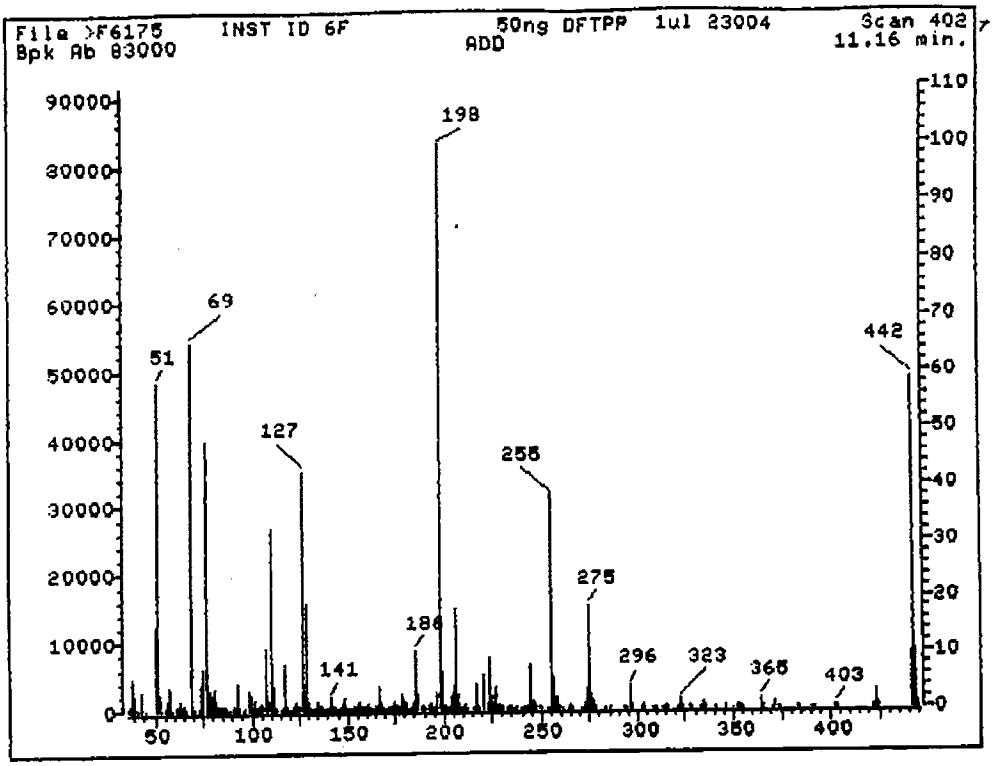
Injection Date: 09/14/89
Injection Time: 09:31
Data File: >F6175
Scan: 402 +403 CJ 09-14-89

>F6175 INST ID 6F 50ng DFTPP lul 23004
402 ADD NRM

File: >F6175 Scan #: 402 1403 09-14-09 Retn. time: 11.16

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.30	.059	104.95	.916	161.95	.220	218.00	.576	295.95	3.989
37.10	.336	107.05	11.000	163.35	.022	219.00	.037	296.95	.599
38.10	.986	108.05	1.741	163.95	.136	221.00	5.936	302.05	.078
39.10	5.892	110.05	32.102	165.00	.705	223.00	1.020	303.05	.546
40.10	2.760	111.05	4.147	166.00	.667	224.00	9.028	304.05	.112
41.20	.265	112.05	.430	167.00	4.130	225.00	2.294	308.05	.025
44.10	3.281	113.05	.100	168.00	1.516	225.90	.108	308.95	.029
45.10	.102	115.05	.022	169.00	.295	227.00	3.876	309.95	.043
50.10	14.888	116.15	.310	170.10	.082	228.00	.531	312.95	.030
51.10	58.169	117.05	8.002	170.70	.123	229.00	.786	314.05	.200
52.10	2.881	118.05	.572	171.10	.063	229.90	.055	315.05	.427
53.00	.030	119.15	.080	172.00	.371	231.00	.317	316.15	.307
55.10	.349	120.05	.135	173.00	.480	232.90	.042	321.05	.172
56.05	1.701	121.05	.036	174.00	.792	234.00	.246	321.85	.057
57.05	4.184	121.95	.804	175.00	1.275	235.00	.296	323.05	1.599
57.95	.111	123.05	1.222	176.10	.548	236.00	.181	323.95	.271
58.85	.036	123.95	.663	176.90	.801	237.00	.294	327.05	.263
61.05	.627	125.05	.575	178.20	.239	239.00	.077	328.05	.069
62.05	.766	127.05	42.404	179.00	2.705	240.10	.122	332.05	.117
63.05	1.823	128.05	3.394	180.00	1.841	241.00	.222	333.25	.184
64.15	.251	129.05	18.893	181.00	.913	242.00	.514	334.05	.971
65.05	.925	130.05	1.525	182.00	.164	243.20	.376	335.05	.287
66.05	.041	131.05	.243	182.90	.122	244.10	7.896	340.35	.022
68.95	65.330	131.95	.160	184.00	.220	245.10	1.077	340.95	.159
69.95	.269	132.85	.059	185.00	1.246	246.10	1.412	345.95	.323
71.05	.084	134.05	.443	186.00	10.461	247.00	.216	349.95	.019
72.95	.422	135.05	1.449	187.00	2.847	249.00	.282	352.15	.447
74.05	4.412	136.05	.641	188.10	.284	250.10	.022	353.05	.317
75.05	7.429	137.05	.604	189.00	.659	252.90	.117	354.05	.487
77.05	47.870	138.05	.165	190.00	.113	255.00	37.855	355.15	.088
78.05	3.373	138.95	.046	190.90	.301	256.00	5.377	365.05	1.734
79.05	3.339	139.85	.219	192.00	.752	257.10	.428	366.05	.259
79.95	2.548	141.05	2.253	193.00	.946	258.00	1.940	370.45	.018
81.05	3.623	142.05	.765	194.00	.242	259.00	.323	371.15	.134
82.05	.820	143.05	.447	195.00	.084	260.80	.033	372.05	.893
83.05	.828	144.15	.102	196.00	3.194	263.80	.020	373.05	.194
83.95	.043	144.95	.135	198.00	100.000	264.30	.037	374.05	.036
85.05	.642	146.05	.323	199.00	6.588	265.00	.690	383.00	.206
86.05	.764	147.05	1.046	200.00	.472	266.00	.113	384.00	.045
87.05	.459	148.05	2.163	201.60	.588	271.00	.096	390.00	.070
87.95	.141	149.05	.386	202.20	.060	272.20	.124	390.90	.051
88.95	.049	150.05	.187	203.10	.476	273.00	1.202	392.00	.028
91.05	.846	150.95	.259	204.00	2.542	274.05	3.266	402.00	.336
92.05	.834	151.25	.077	205.00	4.136	274.95	18.316	403.00	.420
93.05	4.696	151.65	.220	206.10	17.947	276.05	2.319	404.00	.075
93.95	.327	152.05	.084	207.00	2.507	276.95	1.322	421.10	.410
95.05	.101	153.05	.637	208.00	.548	277.95	.240	422.10	.442
96.15	.219	153.95	.489	209.10	.199	282.05	.029	423.00	3.064
98.05	3.405	155.05	1.054	210.40	.392	283.05	.184	424.10	.617

99.05	2.652	156.05	1.412	211.00	.719	283.95	.133	441.10	9.686
100.15	.281	157.15	.461	212.00	.067	285.05	.224	442.00	58.911
101.05	1.680	158.05	.365	214.90	.193	292.15	.039	443.00	10.452
102.05	.118	158.95	.237	216.10	.411	292.95	.329	444.10	.953
103.05	.647	160.05	.598	217.00	4.282	294.05	.057	445.10	.033
104.05	1.129	161.05	1.019						



MS data file header from : >F6175

Sample: INST ID 6F Operator: TERMINAL60MS 9/14/89 9:31
Misc : 50ng DFTPP 1ul 23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890914 17:55

Compound	Files: >F6180 RF 20.00	>F6176 RF 50.00	>F6179 RF 80.00	>F6182 RF 120.00	>F6181 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD
PHENOL	2.18332	2.22819	1.82801	1.73477	1.68474	.928	1.93181	13.242
BIS(-2-CHLOROETHYL)ETHER	2.11691	2.35447	1.96908	1.53357	1.64269	.943	1.92335	17.557
2-CHLOROPHENOL	1.62995	1.62440	1.60657	1.39460	1.50110	.953	1.55134	6.576
1,3-DICHLOROBENZENE	1.73142	1.73991	1.64719	1.48311	1.43253	.989	1.60683	8.831
1,4-DICHLOROBENZENE	1.70601	1.82709	1.60011	1.48855	1.30366	1.005	1.58509	12.694
BENZYL ALCOHOL	1.05074	1.15530	1.04785	.86023	.89805	1.053	1.00243	12.103
1,2-DICHLOROBENZENE	1.74839	1.71385	1.60119	1.27583	1.11895	1.056	1.49164	18.746
2-METHYLPHENOL	1.45902	1.49101	1.39501	1.18933	1.18405	1.088	1.34368	10.972
BIS(2-CHLOROISOPROPYL)ETHER	4.50471	5.41985	4.57596	3.72792	3.76254	1.096	4.39820	15.834
4-METHYLPHENOL	1.64684	1.50320	1.37929	1.29147	1.32321	1.134	1.42880	10.235
N-NITROSO-DI-n-PROPYLAMINE	1.63842	1.82888	1.41543	1.38238	1.39868	1.145	1.53276	12.769
HEXACHLOROETHANE	.84298	.87753	.72154	.54086	.50621	1.142	.69782	24.328
2-FLUOROPHENOL (SS)	1.16852	1.25402	1.21968	1.13870	1.11531	.694	1.17925	4.848
PHENOL-d5 (SS)	2.06252	2.16043	1.89790	1.54000	1.53973	.925	1.84012	15.744
NITROBENZENE	.97343	1.10525	.83522	.79206	.76610	.857	.89441	15.924
ISOPHORONE	1.05481	1.09807	.99633	.91519	.87790	.908	.98846	9.337
2-NITROPHENOL	.29007	.26379	.26326	.24075	.25882	.922	.26334	6.701
2,4-DIMETHYLPHENOL	.14337	.38921	.36185	.33807	.35009	.938	.37668	11.075
BENZOIC ACID	-	.15819	.16453	.21933	.23533	.983	.19435	19.928
BIS(-2-CHLOROETHOXY)METHANE	.66168	.60527	.61858	.53908	.54241	.960	.59340	8.833
2,4-DICHLOROPHENOL	.32734	.28353	.29791	.27870	.28433	.975	.29436	6.716
1,2,4-TRICHLOROBENZENE	.37824	.32769	.30856	.31022	.28367	.991	.32168	10.972
NAPHTHALENE	1.19364	1.01351	.94836	.74518	.76828	1.005	.93379	19.823
4-CHLOROANILINE	.54259	.50596	.47127	.46425	.40166	1.026	.47714	10.997
HEXACHLOROBUTADIENE	.19755	.16533	.14920	.15816	.14734	1.047	.16352	12.447
4-CHLORO-3-METHYLPHENOL	.40214	.37323	.34104	.33184	.32057	1.140	.35376	9.443
2-METHYLNAPHTHALENE	.74589	.65299	.56689	.58045	.48335	1.163	.60592	16.297
NITROBENZENE-d5 (SS)	.51794	.52823	.46451	.42053	.40028	.850	.46630	12.206
HEXACHLOROCYCLOPENTADIENE	.29894	.38146	.35548	.32475	.31033	.862	.33419	10.135
2,4,6-TRICHLOROPHENOL	.41539	.40263	.40733	.39310	.37422	.877	.39854	3.965
2,4,5-TRICHLOROPHENOL	-	.41903	.39056	.35721	.37580	.883	.38565	6.769
2-CHLORONAPHTHALENE	1.33755	1.28516	1.23696	1.04629	1.06813	.905	1.19482	10.946
2-NITROANILINE	-	.82658	.72815	.62521	.62958	.931	.70238	13.593
DIMETHYL PHTHALATE	1.59209	1.64866	1.70525	1.46870	1.35003	.969	1.55295	9.229
ACENAPHTHYLENE	2.25969	2.23908	1.96894	1.78996	1.47171	.974	1.94588	16.930
3-NITROANILINE	-	.41995	.40410	.41393	.41923	1.002	.43430	7.669
ACENAPHTHENE	1.53646	1.44774	1.40474	1.06804	1.06130	1.007	1.30366	17.128
2,4-DINITROPHENOL	-	.22908	.22806	.24396	.24894	1.017	.23751	4.434
4-NITROPHENOL	-	.16621	.14553	.12451	.12878	1.033	.14126	13.414

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890914 17:55

Compound	Files:)F6180 RF 20.00	)F6176 RF 50.00	)F6179 RF 80.00	)F6182 RF 120.00	)F6181 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD
DIBENZOFURAN	1.87186	2.00894	1.69911	1.54578	1.24668	1.033	1.67447	17.691
2,4-DINITROTOLUENE	.56015	.58356	.63252	.55400	.55656	1.044	.57736	5.715
2,6-DINITROTOLUENE	.44321	.48951	.40260	.36153	.35734	.980	.41084	13.661
DIETHYLPHTHALATE	1.81014	1.70975	1.58648	1.11900	.87586	1.088	1.42025	28.396
4-CHLOROPHENYL-PHENYLETHER	.70573	.74018	.65668	.50774	.48862	1.093	.61979	18.572
FLUORENE	1.45685	1.49406	1.19798	.97325	.76770	1.091	1.17797	26.450
4-NITROANILINE	-	.31677	.40191	.44080	.44839	1.107	.40197	15.010
2-FLUOROBIPHENYL (SS)	1.33599	1.41788	1.30454	1.03955	1.11140	.892	1.24187	12.841
2,4,6-TRIBROMOPHENOL (SS)	.22472	.22332	.24146	.24862	.22117	1.134	.23186	5.332
4,6-DINITRO-2-METHYLPHENOL	-	.16108	.17142	.16628	.15467	.893	.16336	4.390
N-NITROSODIPHENYLAMINE	.62833	.59262	.47951	.47742	.49220	.895	.53402	13.325
4-BROMOPHENYL-PHENYLETHER	.25796	.25673	.22525	.20128	.18357	.942	.22496	14.697
HEXACHLOROBENZENE	.34672	.30090	.28775	.27588	.26248	.960	.29475	10.975
PENTACHLOROPHENOL	-	.12058	.12527	.14949	.14786	.985	.13580	11.047
PHENANTHRENE	1.23509	1.21296	1.05118	.91984	.91495	1.004	1.06681	14.414
ANTHRACENE	1.26316	1.10383	.99708	.87208	.90423	1.010	1.02808	15.505
DI-N-BUTYLPHTHALATE	1.87449	1.71874	1.32728	1.17039	.96528	1.092	1.41124	26.822
FLUORANTHENE	1.22168	1.08872	.98231	.92142	.82826	1.165	1.00848	15.090
PYRENE	1.65336	1.81718	1.54376	1.54876	1.42780	.879	1.59817	9.145
BUTYLBENZYLPHTHALATE	.95425	1.03528	.95408	.91312	.89731	.951	.95081	5.624
3,3'-DICHLOROBENZIDINE	.21803	.22656	.18860	.20178	.20741	.998	.20848	7.031
BENZO(a)ANTHRACENE	1.29246	1.39611	1.24543	1.11114	1.08359	.999	1.22575	10.575
BIS(2-ETHYLHEXYL)PHTHALATE	1.22821	1.47894	1.23231	1.12638	1.07592	1.011	1.22835	12.641
CHRYSENE	1.30384	1.35129	1.18299	1.13533	1.18020	1.003	1.23073	7.470
TERPHENYL-d14 (SS)	1.02535	1.05897	.93021	.93709	.94361	.897	.97905	6.028
DI-N-OCTYL PHTHALATE	2.41758	3.32887	2.85015	2.76798	2.81114	.931	2.83514	11.476
BENZO(b)FLUORANTHENE	1.69542	1.98220	1.83628	1.79341	1.93230	.963	1.84792	6.141
BENZO(k)FLUORANTHENE	1.20587	1.24235	1.11180	1.19034	1.15978	.965	1.18203	4.167
BENZO(a)PYRENE	1.44591	1.57032	1.47561	1.40707	1.44480	.995	1.46874	4.206
INDENO(1,2,3-cd)PYRENE	.99009	.99784	.82075	.79403	.80764	1.136	.88207	11.634
DIBENZO(a,h)ANTHRACENE	.99761	.98049	.84881	.78389	.75924	1.139	.87401	12.604
BENZO(g,h,i)PERYLENE	.97446	.94062	.73819	.66150	.67208	1.176	.77737	16.882

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

QUANT REPORT

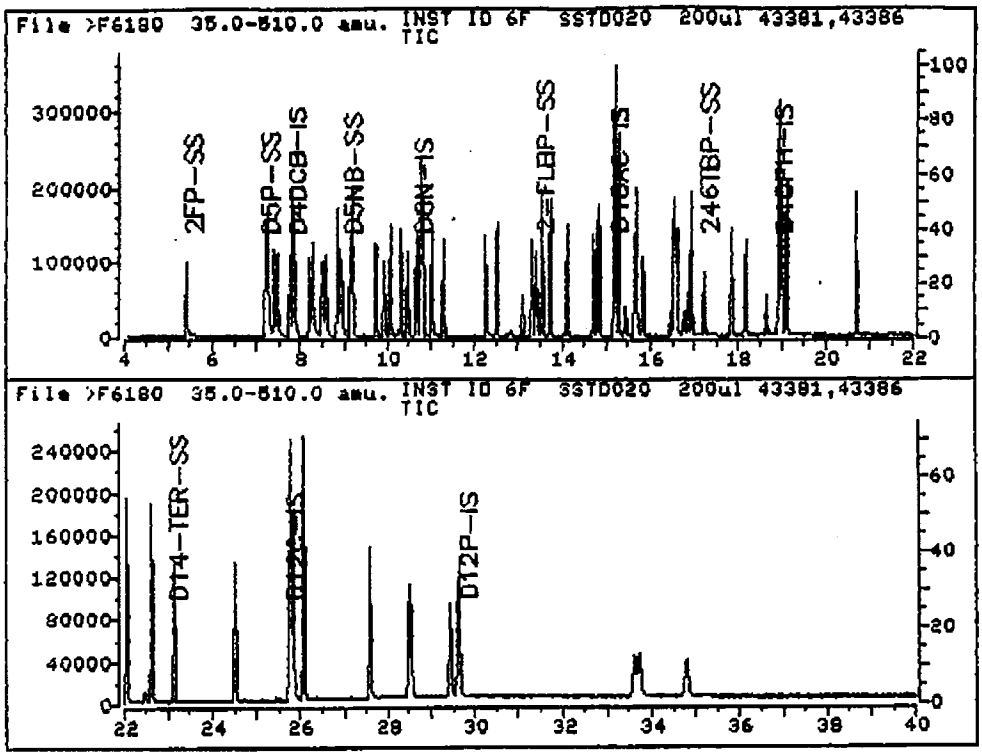
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Data File: >F6180::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD020
Misc: 200ul 43381,43386 IS/SS=40ng 8ul 43376 BTL# 4

ID File: CLPID6::07
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.83	152.0	69418	40.00	ng	85
2)	PHENOL	7.23	94.0	75781	24.20	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.40	93.0	73476	22.58	ng	86
4)	2-CHLOROPHENOL	7.46	128.0	56574	20.84	ng	81
5)	1,3-DICHLOROBENZENE	7.75	146.0	60096	21.62	ng	92
6)	1,4-DICHLOROBENZENE	7.88	146.0	59214	23.22	ng	91
7)	BENZYL ALCOHOL	8.21	108.0	36470	24.02	ng	82
8)	1,2-DICHLOROBENZENE	8.27	146.0	60685	22.74	ng	91
9)	2-METHYLPHENOL	8.50	108.0	50641	22.05	ng	93
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.58	45.0	156354	21.35	ng	100
11)	4-METHYLPHENOL	8.86	108.0	57160	23.79	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	8.90	70.0	56868	25.73	ng	50
13)	HEXACHLOROETHANE	8.96	117.0	29259	24.56	ng	84
14)	2-FLUOROPHENOL (SS)	5.44	112.0	40558	19.07	ng	40
15)	PHENOL-d5 (SS)	7.21	99.0	71588	21.76	ng	80
16)	*NAPHTHALENE-d8 (IS)	10.77	136.0	264285	40.00	ng	100
17)	NITROBENZENE	9.19	77.0	128631	21.07	ng	69
18)	ISOPHORONE	9.73	82.0	139385	22.76	ng	92
19)	2-NITROPHENOL	9.92	139.0	38331	20.12	ng	88
20)	2,4-DIMETHYLPHENOL	10.09	107.0	58588	25.48	ng	90
22)	BIS(-2-CHLOROETHOXY)METHANE	10.32	93.0	87436	23.20	ng	82
23)	2,4-DICHLOROPHENOL	10.48	162.0	43255	24.03	ng	91
24)	1,2,4-TRICHLOROBENZENE	10.69	180.0	49981	23.87	ng	96
25)	NAPHTHALENE	10.84	128.0	157730	23.79	ng	100
26)	4-CHLOROANILINE	11.05	127.0	71699	25.21	ng	97
27)	HEXACHLOROBUTADIENE	11.30	225.0	26105	25.23	ng	81
28)	4-CHLORO-3-METHYLPHENOL	12.27	107.0	53140	25.69	ng	100
29)	2-METHYLNAPHTHALENE	12.53	142.0	98564	22.76	ng	98
30)	NITROBENZENE-d5 (SS)	9.15	82.0	68442	21.71	ng	80
31)	*ACENAPHTHENE-d10 (IS)	15.22	164.0	146042	40.00	ng	90
32)	HEXACHLOROCYCLOPENTADIENE	13.11	237.0	21829	20.12	ng	97
33)	2,4,6-TRICHLOROPHENOL	13.34	196.0	30332	22.15	ng	98
35)	2-CHLORONAPHTHALENE	13.76	162.0	97669	22.65	ng	86
37)	DIMETHYL PHTHALATE	14.72	163.0	116256	22.87	ng	62
38)	ACENAPHTHYLENE	14.82	152.0	165005	21.89	ng	88
40)	ACENAPHTHENE	15.30	153.0	112194	27.22	ng	81
43)	DIBENZOFURAN	15.70	168.0	136685	23.06	ng	85
44)	2,4-DINITROTOLUENE	15.84	165.0	40903	20.69	ng	74
45)	2,6-DINITROTOLUENE	14.88	165.0	32364	26.68	ng	58

46)	DIETHYLPHTHALATE	16.53	149.0	132178	25.80	ng	91
47)	4-CHLOROPHENYL-PHENYLETHER	16.61	204.0	51533	25.96	ng	100
48)	FLUORENE	16.57	166.0	106381	24.11	ng	98
50)	2-FLUOROBIPHENYL (SS)	13.55	172.0	97555	21.68	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.24	330.0	16409	21.90	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.97	188.0	241789	40.00	ng	100
54)	N-NITROSODIPHENYLAMINE	16.95	169.0	75962	24.61	ng	89
55)	4-BROMOPHENYL-PHENYLETHER	17.84	248.0	31186	24.58	ng	93
56)	HEXACHLOROBENZENE	18.18	284.0	41917	27.33	ng	100
58)	PHENANTHRENE	19.01	178.0	149316	24.23	ng	79
59)	ANTHRACENE	19.14	178.0	152709	23.22	ng	81
60)	DI-N-BUTYLPHTHALATE	20.72	149.0	226616	24.61	ng	100
61)	FLUORANTHENE	22.08	202.0	147695	24.13	ng	99
62)	*CHRYSENE-d12 (IS)	25.79	240.0	174003	40.00	ng	100
63)	PYRENE	22.64	202.0	143845	11.06	ng	90
64)	BUTYLBENZYLPHTHALATE	24.52	149.0	83021	17.40	ng	82
65)	3,3'-DICHLOROBENZIDINE	25.75	252.0	18969	29.53	ng	100
66)	BENZO(a)ANTHRACENE	25.75	228.0	112446	20.87	ng	85
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.08	149.0	106856	21.64	ng	95
68)	CHRYSENE	25.85	228.0	113436	23.27	ng	91
69)	TERPHENYL-d14 (SS)	23.14	244.0	89207	12.90	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	114866	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.59	149.0	138849	14.69	ng	100
72)	BENZO(b)FLUORANTHENE	28.51	252.0	97373	16.30	ng	100
73)	BENZO(k)FLUORANTHENE	28.57	252.0	69257	19.53	ng	100
74)	BENZO(a)PYRENE	29.45	252.0	83043	19.87	ng	94
75)	INDENO(1,2,3-cd)PYRENE	33.63	276.0	56864	22.33	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.73	278.0	57296	24.50	ng	100
77)	BENZO(g,h,i)PERYLENE	34.82	276.0	55966	25.16	ng	100

* Compound is ISTD



MS data file header from : >F6180

Sample: INST ID 6F SSTD020 Operator: TERMINAL62MS 9/14/89 14:49
Misc : 200ul 43381,43386 IS/SS=40ng 8ul 43376 BTL# 4
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

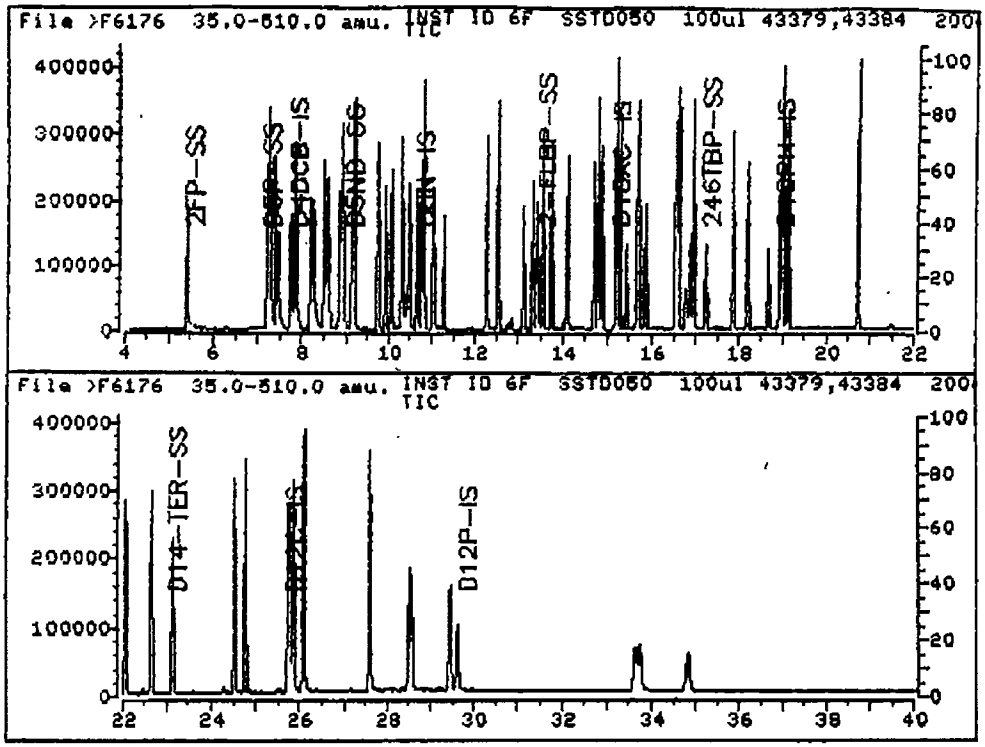
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890914 11:47
Output File: ^F6176::QT Injected at: 890914 11:04
Data File: >F6176::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD050
Misc: 100ul 43379,43384 200ul MeCl2 IS=40ng 8ul 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.82	152.0	53222	40.00	ng	87
2)	PHENOL	7.24	94.0	148236	61.74	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.40	93.0	156637	62.78	ng	82
4)	2-CHLOROPHENOL	7.45	128.0	108067	51.91	ng	84
5)	1,3-DICHLOROBENZENE	7.74	146.0	115752	54.31	ng	94
6)	1,4-DICHLOROBENZENE	7.86	146.0	121552	62.18	ng	89
7)	BENZYL ALCOHOL	8.22	108.0	76859	66.02	ng	83
8)	1,2-DICHLOROBENZENE	8.26	146.0	114018	55.73	ng	92
9)	2-METHYLPHENOL	8.51	108.0	99193	56.34	ng	92
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.57	45.0	360569	64.22	ng	100
11)	4-METHYLPHENOL	8.86	108.0	100004	54.30	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	8.93	70.0	121671	71.81	ng	44
13)	HEXACHLOROETHANE	8.95	117.0	58380	63.92	ng	87
14)	2-FLUOROPHENOL (SS)	5.42	112.0	83427	51.17	ng	44
15)	PHENOL-d5 (SS)	7.22	99.0	143728	56.98	ng	81
16)	*NAPHTHALENE-d8 (IS)	10.78	136.0	226648	40.00	ng	100
17)	NITROBENZENE	9.22	77.0	313129	59.80	ng	49
18)	ISOPHORONE	9.76	82.0	311093	59.23	ng	81
19)	2-NITROPHENOL	9.93	139.0	74733	45.73	ng	71
20)	2,4-DIMETHYLPHENOL	10.09	107.0	110266	55.91	ng	91
21)	BENZOIC ACID	10.47	122.0	44817	57.10	ng	96
22)	BIS(-2-CHLOROETHOXY)METHANE	10.32	93.0	171478	53.06	ng	76
23)	2,4-DICHLOROPHENOL	10.49	162.0	80327	52.05	ng	90
24)	1,2,4-TRICHLOROBENZENE	10.68	180.0	92838	51.70	ng	96
25)	NAPHTHALENE	10.83	128.0	287137	50.51	ng	100
26)	4-CHLOROANILINE	11.05	127.0	143343	58.77	ng	97
27)	HEXACHLOROBUTADIENE	11.28	225.0	46841	52.80	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.29	107.0	105740	59.60	ng	100
29)	2-METHYLNAPHTHALENE	12.54	142.0	185000	49.82	ng	96
30)	NITROBENZENE-d5 (SS)	9.16	82.0	149653	55.36	ng	82
31)	*ACENAPHTHENE-d10 (IS)	15.21	164.0	109459	40.00	ng	94
32)	HEXACHLOROCYCLOPENTADIENE	13.12	237.0	52193	64.20	ng	95
33)	2,4,6-TRICHLOROPHENOL	13.33	196.0	55090	53.67	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.41	196.0	57333	51.42	ng	94
35)	2-CHLORONAPHTHALENE	13.75	162.0	175841	54.40	ng	94
36)	2-NITROANILINE	14.14	65.0	113096	57.97	ng	64
37)	DIMETHYL PHTHALATE	14.73	163.0	225576	59.20	ng	59
38)	ACENAPHTHYLENE	14.81	152.0	306360	54.24	ng	88
39)	3-NITROANILINE	15.21	138.0	57459	53.71	ng	55
40)	ACENAPHTHENE	15.29	153.0	198085	64.12	ng	89
41)	2,4-DINITROPHENOL	15.46	184.0	31343	46.09	ng	100

42)	4-NITROPHENOL	15.69	109.0	22741	59.74	ng	71
43)	DIBENZOFURAN	15.71	168.0	274871	61.89	ng	89
44)	2,4-DINITROTOLUENE	15.86	165.0	79845	53.90	ng	78
45)	2,6-DINITROTOLUENE	14.90	165.0	66977	73.67	ng	63
46)	DIETHYLPHTHALATE	16.55	149.0	233935	60.91	ng	90
47)	4-CHLOROPHENYL-PHENYLETHER	16.63	204.0	101274	68.06	ng	100
48)	FLUORENE	16.59	166.0	204423	61.81	ng	97
49)	4-NITROANILINE	16.78	138.0	43342	39.58	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.56	172.0	193999	57.53	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.24	330.0	30555	54.41	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.97	188.0	200128	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.88	198.0	40295	42.95	ng	100
54)	N-NITROSODIPHENYLAMINE	16.96	169.0	148250	58.04	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	17.86	248.0	64224	61.16	ng	87
56)	HEXACHLOROBENZENE	18.20	284.0	75274	59.29	ng	100
57)	PENTACHLOROPHENOL	18.68	266.0	30164	47.50	ng	100
58)	PHENANTHRENE	19.03	178.0	303435	59.48	ng	82
59)	ANTHRACENE	19.14	178.0	276134	50.74	ng	84
60)	DI-N-BUTYLPHTHALATE	20.73	149.0	429960	56.42	ng	100
61)	FLUORANTHENE	22.08	202.0	272355	53.76	ng	99
62)	*CHRYSENE-d12 (IS)	25.79	240.0	126227	40.00	ng	100
63)	PYRENE	22.65	202.0	286721	30.39	ng	96
64)	BUTYLBENZYLPHTHALATE	24.53	149.0	163350	47.19	ng	71
65)	3,3'-DICHLOROBENZIDINE	25.74	252.0	35748	76.71	ng	100
66)	BENZO(a)ANTHRACENE	25.74	228.0	220284	56.36	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.08	149.0	233352	65.15	ng	90
68)	CHRYSENE	25.87	228.0	213211	60.29	ng	90
69)	TERPHENYL-d14 (SS)	23.15	244.0	157089	33.31	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	85675	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.59	149.0	356501	50.57	ng	100
72)	BENZO(b)FLUORANTHENE	28.51	252.0	212281	47.65	ng	100
73)	BENZO(k)FLUORANTHENE	28.59	252.0	133048	50.31	ng	100
74)	BENZO(a)PYRENE	29.47	252.0	168171	53.95	ng	90
75)	INDENO(1,2,3-cd)PYRENE	33.66	276.0	106862	56.26	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.74	278.0	105004	60.20	ng	100
77)	BENZO(g,h,i)PERYLENE	34.83	276.0	90025	54.26	ng	100

* Compound is ISTD



MS data file header from : >F6176

Sample: INST ID 6F SSTD050 Operator: TERMINAL60MS 9/14/89 11:04
Misc : 100ul 43379,43384 200ul MeCl2 IS=40ng 8ul 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0 ,	0.0	0.0	.1	0.0

QUANT REPORT

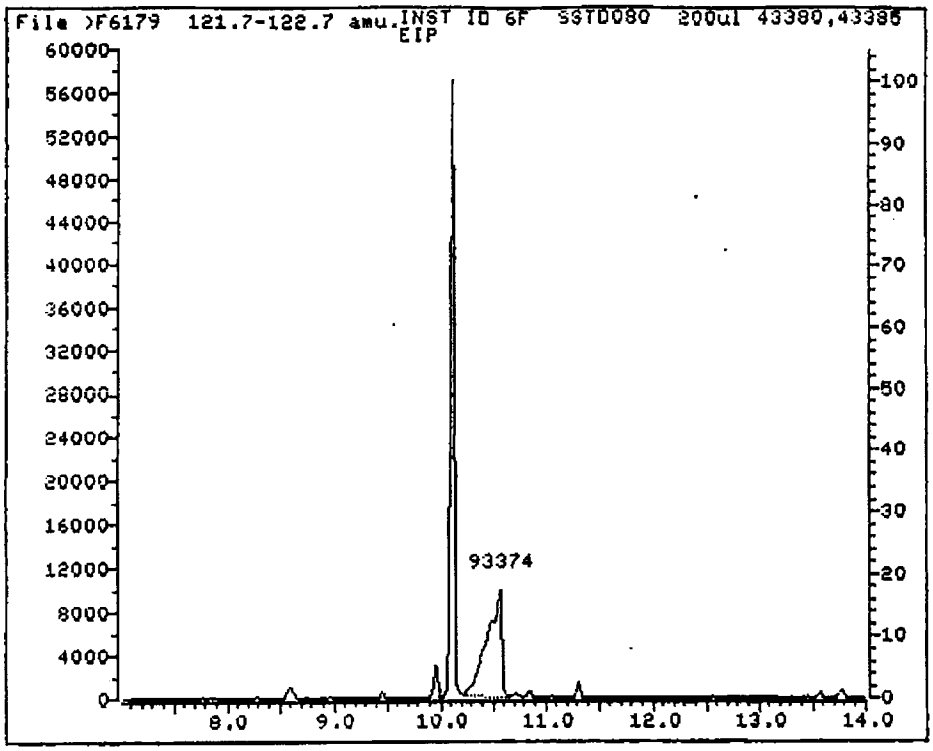
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890914 14:40
Output File: ^F6179::QT Injected at: 890914 13:57
Data File: >F6179::09 Dilution Factor: 1.00000
Name: INST ID 6F SSTD080
Misc: 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3

ID File: CLPID6::07
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.84	152.0	65747	40.00	ng	87
2)	PHENOL	7.28	94.0	240373	81.04	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.43	93.0	258922	84.00	ng	82
4)	2-CHLOROPHENOL	7.49	128.0	211254	82.15	ng	72
5)	1,3-DICHLOROBENZENE	7.76	146.0	216596	82.27	ng	92
6)	1,4-DICHLOROBENZENE	7.88	146.0	210405	87.13	ng	94
7)	BENZYL ALCOHOL	8.26	108.0	137786	95.80	ng	84
8)	1,2-DICHLOROBENZENE	8.28	146.0	210547	83.31	ng	93
9)	2-METHYLPHENOL	8.53	108.0	183435	84.34	ng	95
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.59	45.0	601711	86.75	ng	100
11)	4-METHYLPHENOL	8.91	108.0	181369	79.71	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	8.99	70.0	186121	88.92	ng	52
13)	HEXACHLOROETHANE	8.97	117.0	94878	84.09	ng	87
14)	2-FLUOROPHENOL (SS)	5.45	112.0	160381	79.63	ng	57
15)	PHENOL-d5 (SS)	7.26	99.0	249563	80.10	ng	32
16)	*NAPHTHALENE-d8 (IS)	10.80	136.0	283752	40.00	ng	100
17)	NITROBENZENE	9.24	77.0	473988	72.30	ng	65
18)	ISOPHORONE	9.80	82.0	565419	85.99	ng	84
19)	2-NITROPHENOL	9.95	139.0	149401	73.02	ng	72
20)	2,4-DIMETHYLPHENOL	10.12	107.0	205350	83.17	ng	94
21)	BENZOIC ACID	10.58	122.0	93374M	95.02	ng	96
22)	BIS(-2-CHLOROETHOXY)METHANE	10.37	93.0	351049	86.77	ng	76
23)	2,4-DICHLOROPHENOL	10.53	162.0	169064	87.50	ng	90
24)	1,2,4-TRICHLOROBENZENE	10.70	180.0	175111	77.89	ng	94
25)	NAPHTHALENE	10.85	128.0	538196	75.62	ng	100
26)	4-CHLOROANILINE	11.08	127.0	267445	87.58	ng	94
27)	HEXACHLOROBUTADIENE	11.31	225.0	84670	76.23	ng	81
28)	4-CHLORO-3-METHYLPHENOL	12.31	107.0	193539	87.14	ng	100
29)	2-METHYLNAPHTHALENE	12.56	142.0	321715	69.21	ng	99
30)	NITROBENZENE-d5 (SS)	9.18	82.0	263611	77.90	ng	86
31)	*ACENAPHTHENE-d10 (IS)	15.23	164.0	137298	40.00	ng	94
32)	HEXACHLOROCYCLOPENTADIENE	13.12	237.0	97613	95.72	ng	97
33)	2,4,6-TRICHLOROPHENOL	13.35	196.0	111852	86.88	ng	98
34)	2,4,5-TRICHLOROPHENOL	13.43	196.0	107247	76.68	ng	96
35)	2-CHLORONAPHTHALENE	13.77	162.0	339663	83.77	ng	92
36)	2-NITROANILINE	14.17	65.0	199947	81.71	ng	68
37)	DIMETHYL PHTHALATE	14.75	163.0	468256	97.97	ng	61
38)	ACENAPHTHYLENE	14.83	152.0	540664	76.31	ng	88
39)	3-NITROANILINE	15.25	138.0	132931	99.07	ng	56
40)	ACENAPHTHENE	15.33	153.0	385737	99.54	ng	82
41)	2,4-DINITROPHENOL	15.48	184.0	62625	73.42	ng	100

42)	4-NITROPHENOL	15.71	109.0	39963	83.70	ng	55
43)	DIBENZOFURAN	15.73	168.0	466568	83.75	ng	78
44)	2,4-DINITROTOLUENE	15.90	165.0	173687	93.47	ng	94
45)	2,6-DINITROTOLUENE	14.92	165.0	110552	96.94	ng	78
46)	DIETHYLPHTHALATE	16.57	149.0	435642	90.44	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.65	204.0	180323	96.62	ng	100
48)	FLUORENE	16.61	166.0	328961	79.29	ng	99
49)	4-NITROANILINE	16.82	138.0	110363	80.34	ng	86
50)	2-FLUOROBIPHENYL (SS)	13.58	172.0	358222	84.68	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.26	330.0	66303	94.12	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.97	188.0	260538	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.92	198.0	89325	73.13	ng	100
54)	N-NITROSODIPHENYLAMINE	16.98	169.0	249860	75.13	ng	87
55)	4-BROMOPHENYL-PHENYLETHER	17.88	248.0	117372	85.86	ng	83
56)	HEXACHLOROBENZENE	18.22	284.0	149942	90.72	ng	100
57)	PENTACHLOROPHENOL	18.68	266.0	65274	78.95	ng	100
58)	PHENANTHRENE	19.05	178.0	547747	82.47	ng	82
59)	ANTHRACENE	19.16	178.0	519555	73.33	ng	85
60)	DI-N-BUTYLPHTHALATE	20.72	149.0	691614	69.71	ng	100
61)	FLUORANTHENE	22.10	202.0	511859	77.61	ng	99
62)	*CHRYSENE-d12 (IS)	25.80	240.0	162269	40.00	ng	100
63)	PYRENE	22.67	202.0	501009	41.31	ng	93
64)	BUTYLBENZYLPHTHALATE	24.55	149.0	309634	69.59	ng	84
65)	3,3'-DICHLOROBENZIDINE	25.76	252.0	61209	102.17	ng	100
66)	BENZO(a)ANTHRACENE	25.76	228.0	404191	80.45	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.10	149.0	399932	86.86	ng	94
68)	CHRYSENE	25.89	228.0	383924	84.44	ng	89
69)	TERPHENYL-d14 (SS)	23.15	244.0	301887	46.81	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	107971	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.61	149.0	615467	69.28	ng	100
72)	BENZO(b)FLUORANTHENE	28.53	252.0	396529	70.63	ng	100
73)	BENZO(k)FLUORANTHENE	28.61	252.0	240085	72.03	ng	100
74)	BENZO(a)PYRENE	29.49	252.0	318646	81.12	ng	97
75)	INDENO(1,2,3-cd)PYRENE	33.67	276.0	177235	74.04	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.78	278.0	183294	83.38	ng	100
77)	BENZO(g,h,i)PERYLENE	34.87	276.0	159406	76.23	ng	100

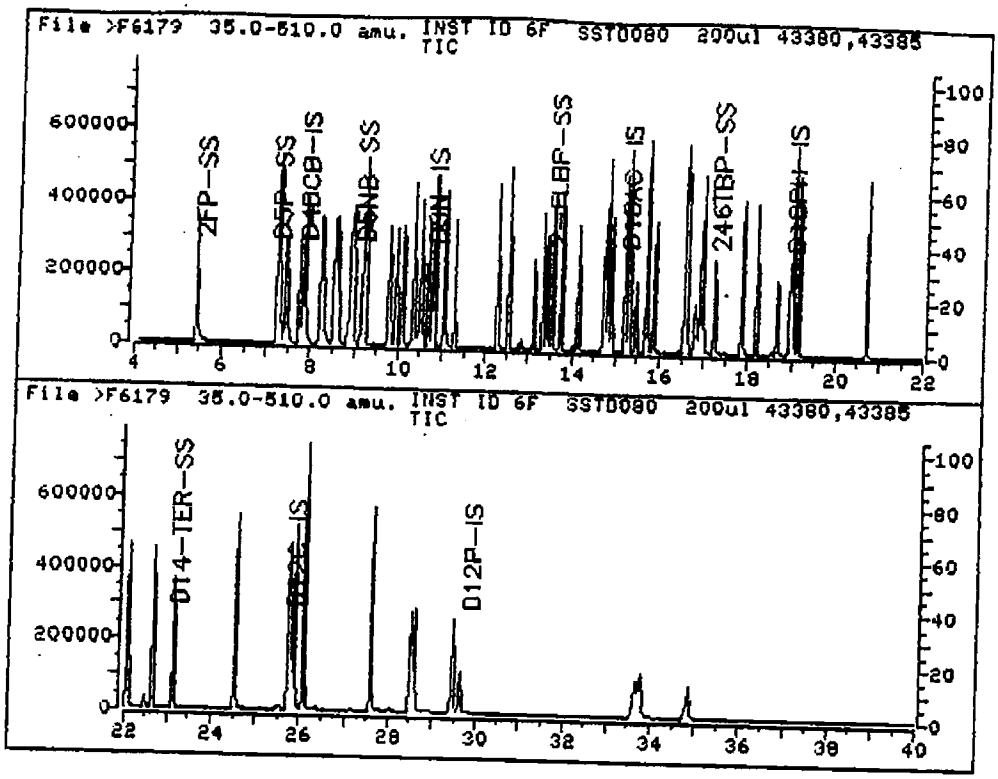
* Compound is ISTD



Data File: >F6179::D9 Quant Output File: ^F6179::QT
Name: INST ID 6F SSTD080
Misc: 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3
Quant Time: 890914 14:40 Quant ID File: CLPID6::D7
Injected at: 890914 13:57 Last Calibration: 890914 02:49

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 310
Retention Time: 10.58 min.
Quant Ion: 122.0
Area: 93374M
Concentration: 95.02 ng
q-value: 96

This report was produced by QAREA on: 890914 16:00



MS data file header from : >F6179

Sample: INST ID 6F SSTD080 Operator: TERMINAL62MS 9/14/89 13:57
Misc : 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

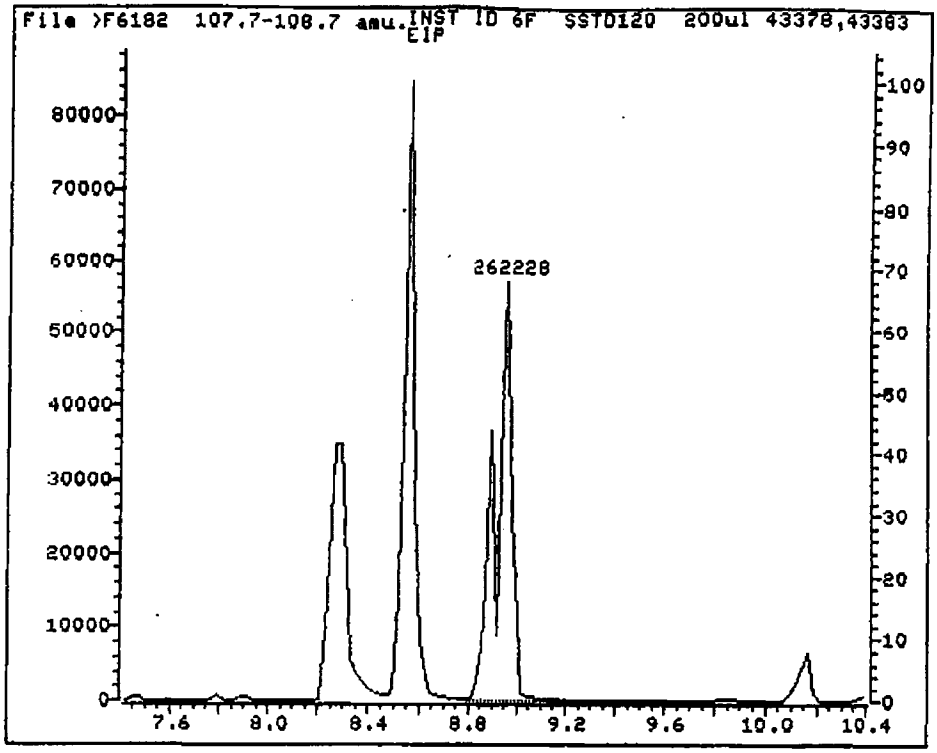
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890914 17:15
Output File: ^F6182::QT Injected at: 890914 16:32
Data File: >F6182::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383 IS=40ng 8ul 43376 8TL# 2

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.87	152.0	67682	40.00	ng	86
2)	PHENOL	7.33	94.0	352238	115.36	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.46	93.0	311386	98.13	ng	86
4)	2-CHLOROPHENOL	7.50	128.0	283184	106.97	ng	86
5)	1,3-DICHLOROBENZENE	7.79	146.0	301140	111.11	ng	94
6)	1,4-DICHLOROBENZENE	7.91	146.0	302244	121.58	ng	91
7)	BENZYL ALCOHOL	8.29	108.0	174667	117.97	ng	84
8)	1,2-DICHLOROBENZENE	8.31	146.0	259052	99.57	ng	94
9)	2-METHYLPHENOL	8.56	108.0	241489	107.86	ng	94
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.62	45.0	756940	106.01	ng	100
11)	4-METHYLPHENOL	8.96	108.0	262228M	111.95	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.04	70.0	280686	130.26	ng	47
13)	HEXACHLOROETHANE	8.98	117.0	109820	94.55	ng	78
14)	2-FLUOROPHENOL (SS)	5.46	112.0	231209	111.52	ng	70
15)	PHENOL-d5 (SS)	7.29	99.0	312690	97.49	ng	77
16)	*NAPHTHALENE-d8 (IS)	10.81	136.0	275964	40.00	ng	100
17)	NITROBENZENE	9.29	77.0	655741	102.85	ng	64
18)	ISOPHORONE	9.83	82.0	757682	118.48	ng	89
19)	2-NITROPHENOL	9.98	139.0	199317	100.17	ng	76
20)	2,4-DIMETHYLPHENOL	10.17	107.0	280549	116.83	ng	93
21)	BENZOIC ACID	10.65	122.0	181583M	189.99	ng	99
22)	BIS(-2-CHLOROETHOXY)METHANE	10.40	93.0	446296	113.43	ng	79
23)	2,4-DICHLOROPHENOL	10.56	162.0	230730	122.78	ng	94
24)	1,2,4-TRICHLOROBENZENE	10.73	180.0	256829	117.47	ng	95
25)	NAPHTHALENE	10.88	128.0	616932	89.12	ng	100
26)	4-CHLOROANILINE	11.11	127.0	384345	129.42	ng	93
27)	HEXACHLOROBUTADIENE	11.32	225.0	130941	121.22	ng	83
28)	4-CHLORO-3-METHYLPHENOL	12.34	107.0	274731	127.19	ng	100
29)	2-METHYLNAPHTHALENE	12.59	142.0	480551	106.29	ng	99
30)	NITROBENZENE-d5 (SS)	9.21	82.0	348156	105.78	ng	87
31)	*ACENAPHTHENE-d10 (IS)	15.24	164.0	141795	40.00	ng	91
32)	HEXACHLOROCYCLOPENTADIENE	13.15	237.0	138143	131.17	ng	94
33)	2,4,6-TRICHLOROPHENOL	13.38	196.0	167220	125.77	ng	97
34)	2,4,5-TRICHLOROPHENOL	13.46	196.0	151950	105.20	ng	98
35)	2-CHLORONAPHTHALENE	13.80	162.0	445077	106.29	ng	95
36)	2-NITROANILINE	14.20	65.0	265956	105.24	ng	67
37)	DIMETHYL PHTHALATE	14.78	163.0	624763	126.57	ng	62
38)	ACENAPHTHYLENE	14.86	152.0	761421	104.06	ng	82
39)	3-NITROANILINE	15.28	138.0	176078	127.06	ng	62
40)	ACENAPHTHENE	15.34	153.0	454329	113.52	ng	82
41)	2,4-DINITROPHENOL	15.51	184.0	103778	117.81	ng	100

42)	4-NITROPHENOL	15.76	109.0	52963	107.41	ng	44
43)	DIBENZOFURAN	15.76	168.0	657552	114.28	ng	64
44)	2,4-DINITROTOLUENE	15.93	165.0	235665	122.80	ng	78
45)	2,6-DINITROTOLUENE	14.95	165.0	153790	130.58	ng	78
46)	DIETHYLPHTHALATE	16.60	149.0	476006	95.68	ng	93
47)	4-CHLOROPHENYL-PHENYLETHER	16.66	204.0	215986	112.06	ng	100
48)	FLUORENE	16.64	166.0	414004	96.63	ng	96
49)	4-NITROANILINE	16.89	138.0	187511	132.17	ng	93
50)	2-FLUOROBIPHENYL (SS)	13.59	172.0	442210	101.22	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.29	330.0	105760	145.38	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.98	188.0	239099	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.97	198.0	119271	106.41	ng	100
54)	N-NITROSODIPHENYLAMINE	17.02	169.0	342455	112.21	ng	84
55)	4-BROMOPHENYL-PHENYLETHER	17.89	248.0	144379	115.09	ng	89
56)	HEXACHLOROBENZENE	18.23	284.0	197891	130.47	ng	100
57)	PENTACHLOROPHENOL	18.71	266.0	107221	141.31	ng	100
58)	PHENANTHRENE	19.06	178.0	659799	108.25	ng	81
59)	ANTHRACENE	19.19	178.0	625543	96.20	ng	82
60)	DI-N-BUTYLPHTHALATE	20.74	149.0	839516	92.21	ng	100
61)	FLUORANTHENE	22.13	202.0	660930	109.20	ng	97
62)	*CHRYSENE-d12 (IS)	25.81	240.0	144792	40.00	ng	100
63)	PYRENE	22.70	202.0	672745	62.16	ng	96
64)	BUTYLBENZYLPHTHALATE	24.56	149.0	396639	99.90	ng	77
65)	3,3'-DICHLOROBENZIDINE	25.77	252.0	87647	163.96	ng	100
66)	BENZO(a)ANTHRACENE	25.77	228.0	482652	107.66	ng	87
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.11	149.0	489272	119.09	ng	93
68)	CHRYSENE	25.90	228.0	493160	121.56	ng	90
69)	TERPHENYL-d14 (SS)	23.16	244.0	407048	70.73	ng	100
70)	*PERYLENE-d12 (IS)	29.65	264.0	86932	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.62	149.0	721879	100.93	ng	100
72)	BENZO(b)FLUORANTHENE	28.56	252.0	467714	103.47	ng	100
73)	BENZO(k)FLUORANTHENE	28.62	252.0	310436	115.68	ng	100
74)	BENZO(a)PYRENE	29.50	252.0	366957	116.03	ng	97
75)	INDENO(1,2,3-cd)PYRENE	33.71	276.0	207080	107.44	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.79	278.0	204436	115.51	ng	100
77)	BENZO(g,h,i)PERYLENE	34.88	276.0	172517	102.47	ng	100

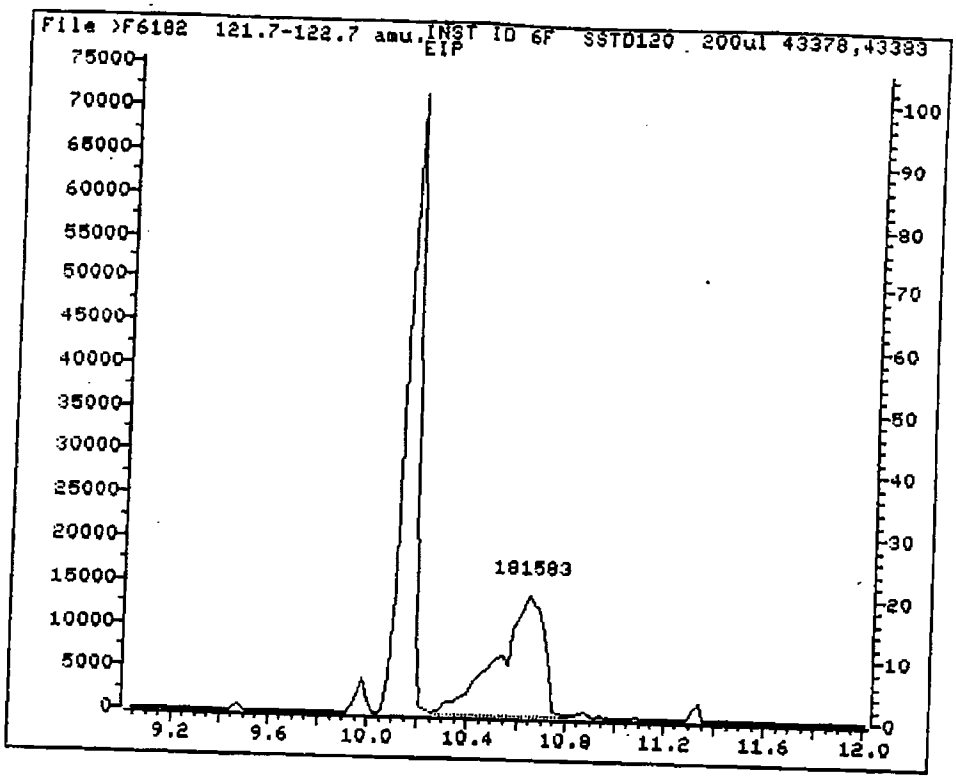
* Compound is ISTD



Data File: >F6182::D9 Quant Output File: ^F6182::QT
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383 IS=40ng 8ul 43376 BTL# 2
Quant Time: 890914 17:15 Quant ID File: CLPID6::D7
Injected at: 890914 16:32 Last Calibration: 890914 02:49

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 233
Retention Time: 8.96 min.
Quant Ion: 108.0
Area: 262228M
Concentration: 111.95 ng
q-value: 96

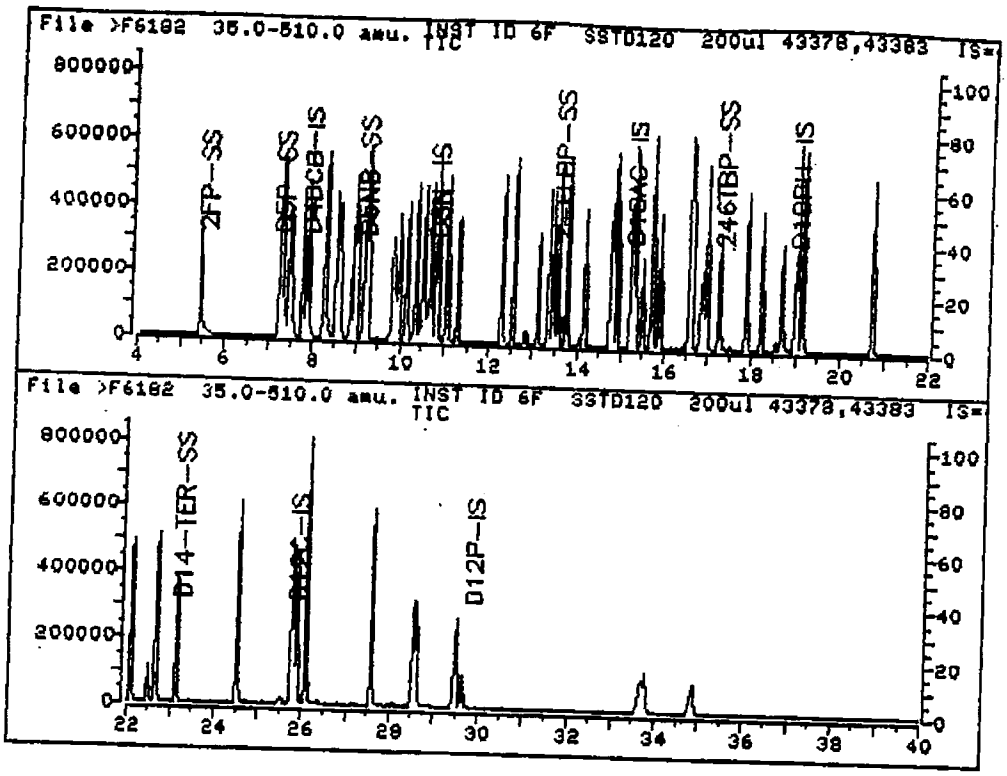
This report was produced by QAREA on: 890914 20:03



Data File: >F6182::D9 Quant Output File: ^F6182::QT
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383 IS=40ng 8ul 43376 BTL# 2
Quant Time: 890914 17:15 Quant ID File: CLPID6::D7
Injected at: 890914 16:32 Last Calibration: 890914 02:49

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 314
Retention Time: 10.65 min.
Quant Ion: 122.0
Area: 181583M
Concentration: 189.99 ng
q-value: 99

This report was produced by QAREA on: 890914 17:49



MS data file header from : >F6182

Sample: INST ID 6F SSTD120 Operator: TERMINAL62MS 9/14/89 16:32
Misc : 200ul 43378,43383 IS=40ng 8ul 43376 BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

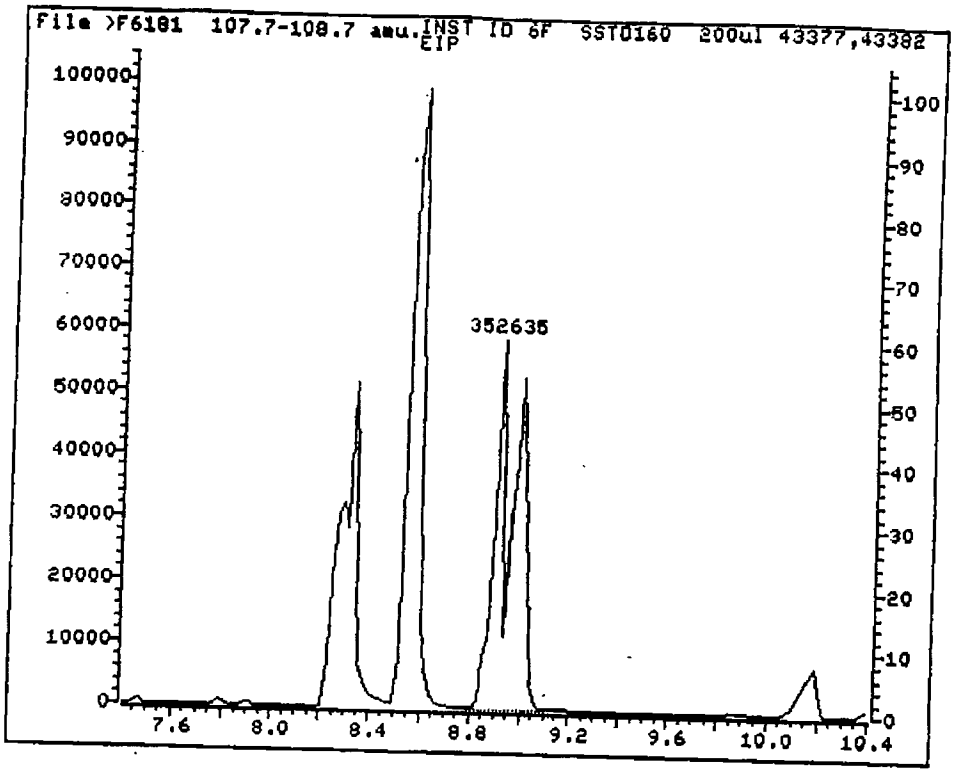
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890914 16:23
Output File: ^F6181::QT Injected at: 890914 15:41
Data File: >F6181::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS=40ng 8ul 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 02:49

	Compound	R.T.	Q ion	Area	Conc	Units	Q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.87	152.0	66625	40.00	ng	82
2)	PHENOL	7.35	94.0	448984	149.37	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.31	93.0	437778^	140.16	ng	34
4)	2-CHLOROPHENOL	7.52	128.0	400043	153.51	ng	80
5)	1,3-DICHLOROBENZENE	7.79	146.0	381770	143.09	ng	92
6)	1,4-DICHLOROBENZENE	7.91	146.0	347425	141.97	ng	94
7)	BENZYL ALCOHOL	8.33	108.0	239331M	164.21	ng	84
8)	1,2-DICHLOROBENZENE	8.31	146.0	298200	116.43	ng	92
9)	2-METHYLPHENOL	8.58	108.0	315550	143.17	ng	91
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.62	45.0	1002717	142.66	ng	100
11)	4-METHYLPHENOL	8.91	108.0	352635M	152.94	ng	98
12)	N-NITROSO-DI-n-PROPYLAMINE	9.08	70.0	372747	175.73	ng	47
13)	HEXACHLOROETHANE	8.98	117.0	134904	117.99	ng	70
14)	2-FLUOROPHENOL (SS)	5.47	112.0	297230	145.64	ng	51
15)	PHENOL-d5 (SS)	7.31	99.0	410339	129.96	ng	78
16)	*NAPHTHALENE-d8 (IS)	10.81	136.0	282028	40.00	ng	100
17)	NITROBENZENE	9.31	77.0	864242	132.63	ng	59
18)	ISOPHORONE	9.87	82.0	990368	151.54	ng	88
19)	2-NITROPHENOL	10.00	139.0	291981	143.59	ng	81
20)	2,4-DIMETHYLPHENOL	10.19	107.0	394936	160.93	ng	91
21)	BENZOIC ACID	10.79	122.0	265478M	271.80	ng	96
22)	BIS(-2-CHLOROETHOXY)METHANE	10.42	93.0	611898	152.17	ng	75
23)	2,4-DICHLOROPHENOL	10.58	162.0	320751	167.01	ng	95
24)	1,2,4-TRICHLOROBENZENE	10.73	180.0	320011	143.22	ng	96
25)	NAPHTHALENE	10.90	128.0	866707	122.52	ng	100
26)	4-CHLOROANILINE	11.10	127.0	453116	149.29	ng	98
27)	HEXACHLOROBUTADIENE	11.33	225.0	166220	150.57	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.34	107.0	361639	163.82	ng	100
29)	2-METHYLNAPHTHALENE	12.59	142.0	545273	118.01	ng	99
30)	NITROBENZENE-d5 (SS)	9.23	82.0	451566	134.25	ng	88
31)	*ACENAPHTHENE-d10 (IS)	15.24	164.0	146575	40.00	ng	94
32)	HEXACHLOROCYCLOPENTADIENE	13.15	237.0	181947	167.12	ng	95
33)	2,4,6-TRICHLOROPHENOL	13.38	196.0	219406	159.64	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.48	196.0	220329	147.57	ng	93
35)	2-CHLORONAPHTHALENE	13.80	162.0	626244	144.67	ng	94
36)	2-NITROANILINE	14.22	65.0	369122	141.30	ng	65
37)	DIMETHYL PHTHALATE	14.78	163.0	791525	155.12	ng	64
38)	ACENAPHTHYLENE	14.86	152.0	862862	114.08	ng	78
39)	3-NITROANILINE	15.30	138.0	245796	171.58	ng	58
40)	ACENAPHTHENE	15.36	153.0	622238	150.41	ng	83
41)	2,4-DINITROPHENOL	15.53	184.0	145955	160.29	ng	100

42)	4-NITROPHENOL	15.78	109.0	75502	148.12	ng	79
43)	DIBENZOFURAN	15.76	168.0	730926	122.89	ng	72
44)	2,4-DINITROTOLUENE	15.95	165.0	326311	164.48	ng	81
45)	2,6-DINITROTOLUENE	14.97	165.0	209506	172.09	ng	79
46)	DIETHYLPHTHALATE	16.62	149.0	513519	99.86	ng	94
47)	4-CHLOROPHENYL-PHENYLETHER	16.68	204.0	286475	143.78	ng	100
48)	FLUORENE	16.64	166.0	450105	101.63	ng	98
49)	4-NITROANILINE	16.93	138.0	262891	179.26	ng	91
50)	2-FLUOROBIPHENYL (SS)	13.61	172.0	651612	144.29	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.29	330.0	129670	172.43	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.00	188.0	244180	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.00	198.0	151068	131.97	ng	100
54)	N-NITROSODIPHENYLAMINE	17.04	169.0	480740	154.24	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	17.89	248.0	179294	139.94	ng	90
56)	HEXACHLOROBENZENE	18.25	284.0	256367	165.50	ng	100
57)	PENTACHLOROPHENOL	18.71	266.0	144418	186.38	ng	100
58)	PHENANTHRENE	19.09	178.0	893650	143.57	ng	79
59)	ANTHRACENE	19.19	178.0	883175	133.00	ng	81
60)	DI-N-BUTYLPHTHALATE	20.76	149.0	942807	101.40	ng	100
61)	FLUORANTHENE	22.14	202.0	808980	130.88	ng	97
62)	*CHRYSENE-d12 (IS)	25.82	240.0	139316	40.00	ng	100
63)	PYRENE	22.70	202.0	795663	76.41	ng	96
64)	BUTYLBENZYLPHTHALATE	24.56	149.0	500041	130.90	ng	78
65)	3,3'-DICHLOROBENZIDINE	25.78	252.0	115581	224.71	ng	100
66)	BENZO(a)ANTHRACENE	25.80	228.0	603847	139.99	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.11	149.0	599571	151.68	ng	91
68)	CHRYSENE	25.90	228.0	657682	168.49	ng	89
69)	TERPHENYL-d14 (SS)	23.16	244.0	525842	94.97	ng	100
70)	*PERYLENE-d12 (IS)	29.65	264.0	70992	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.60	149.0	798274	136.67	ng	100
72)	BENZO(b)FLUORANTHENE	28.56	252.0	548710	148.64	ng	100
73)	BENZO(k)FLUORANTHENE	28.63	252.0	329341	150.28	ng	100
74)	BENZO(a)PYRENE	29.51	252.0	410278	158.86	ng	97
75)	INDENO(1,2,3-cd)PYRENE	33.69	276.0	229343	145.71	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.80	278.0	215600	149.17	ng	100
77)	BENZO(g,h,i)PERYLENE	34.88	276.0	190848	138.81	ng	100

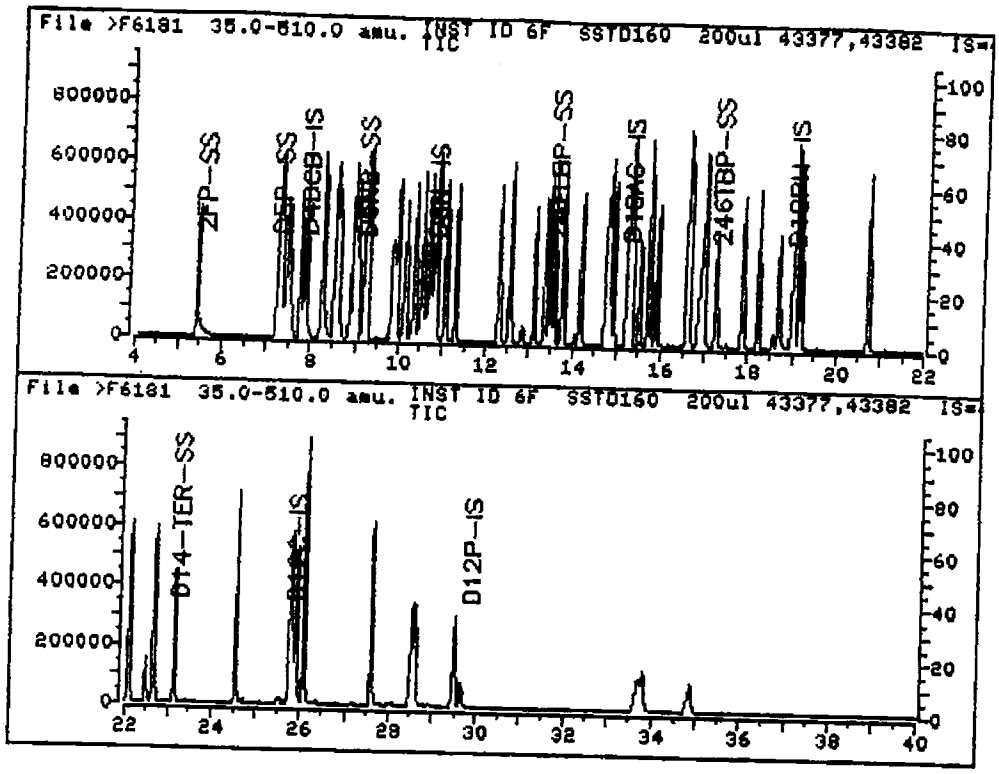
* Compound is ISTD



Data File: >F6181::D9 Quant Output File: ^F6181::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS=40ng 8ul 43376 BTL# 1
Quant Time: 890914 16:23 Quant ID File: CLPID6::D7
Injected at: 890914 15:41 Last Calibration: 890914 02:49

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 231
Retention Time: 8.91 min.
Quant Ion: 108.0
Area: 352635M
Concentration: 152.94 ng
q-value: 98

This report was produced by QAREA on: 890914 17:39



MS data file header from : >F6181

Sample: INST ID 6F SSTD160 Operator: TERMINAL62MS 9/14/89 15:41
Misc : 200ul 43377,43382 IS=40ng 8ul 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance .. Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	58.17	58.17	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.33	65.33	Ok
70	Less than 2% of mass 69	.27	.41	Ok
127	40-60% of mass 198	42.40	42.40	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.59	6.59	Ok
275	10-30% of mass 198	18.32	18.32	Ok
365	Greater than 1% of mass 198	1.73	1.73	Ok
441	0-100% of mass 443	9.69	92.67	Ok
442	Greater than 40% of mass 198	58.91	58.91	Ok
443	17-23% of mass 442	10.45	17.74	Ok

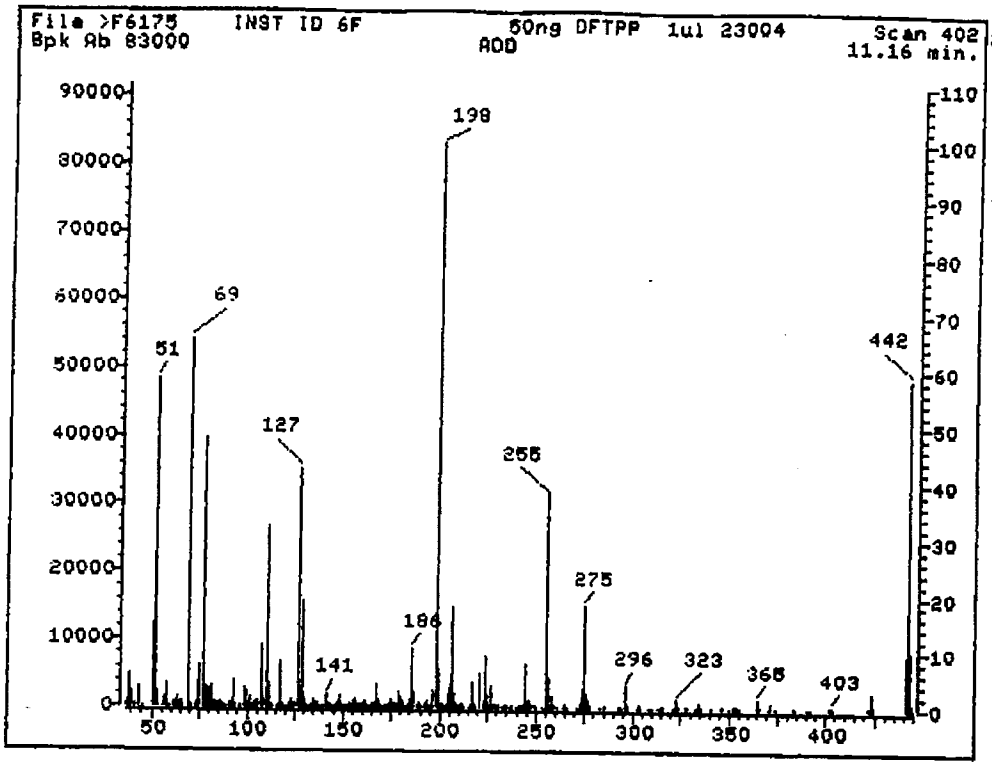
Injection Date: 09/14/89
Injection Time: 09:31
Data File: >F6175
Scan: 402 +403 CJ 09-14-89

>F6175 INST ID 6F 50ng DFTPP 1ul 23004
402 ADD NRM

File: >F6175 Scan #: 402 1445 (13 07-14-03 Retn. time: 11.16

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.30	.059	104.95	.916	161.95	.220	218.00	.576	295.95	3.989
37.10	.336	107.05	11.000	163.35	.022	219.00	.037	296.95	.599
38.10	.986	108.05	1.741	163.95	.136	221.00	5.936	302.05	.078
39.10	5.892	110.05	32.102	165.00	.705	223.00	1.020	303.05	.546
40.10	2.760	111.05	4.147	166.00	.667	224.00	9.028	304.05	.112
41.20	.265	112.05	.430	167.00	4.130	225.00	2.294	308.05	.025
44.10	3.281	113.05	.100	168.00	1.516	225.90	.108	308.95	.029
45.10	.102	115.05	.022	169.00	.295	227.00	3.876	309.95	.043
50.10	14.888	116.15	.310	170.10	.082	228.00	.531	312.95	.030
51.10	58.169	117.05	8.002	170.70	.123	229.00	.786	314.05	.200
52.10	2.881	118.05	.572	171.10	.063	229.90	.055	315.05	.427
53.00	.030	119.15	.080	172.00	.371	231.00	.317	316.15	.307
55.10	.349	120.05	.135	173.00	.480	232.90	.042	321.05	.172
56.05	1.701	121.05	.036	174.00	.792	234.00	.246	321.85	.057
57.05	4.184	121.95	.804	175.00	1.275	235.00	.296	323.05	1.599
57.95	.111	123.05	1.222	176.10	.548	236.00	.181	323.95	.271
58.85	.036	123.95	.663	176.90	.801	237.00	.294	327.05	.263
61.05	.627	125.05	.575	178.20	.239	239.00	.077	328.05	.069
62.05	.766	127.05	42.404	179.00	2.705	240.10	.122	332.05	.117
63.05	1.823	128.05	3.394	180.00	1.841	241.00	.222	333.25	.184
64.15	.251	129.05	18.893	181.00	.913	242.00	.514	334.05	.971
65.05	.925	130.05	1.525	182.00	.164	243.20	.376	335.05	.287
66.05	.041	131.05	.243	182.90	.122	244.10	7.896	340.35	.022
68.95	65.330	131.95	.160	184.00	.220	245.10	1.077	340.95	.159
69.95	.269	132.85	.059	185.00	1.246	246.10	1.412	345.95	.323
71.05	.084	134.05	.443	186.00	10.461	247.00	.216	349.95	.019
72.95	.422	135.05	1.449	187.00	2.847	249.00	.282	352.15	.447
74.05	4.412	136.05	.641	188.10	.284	250.10	.022	353.05	.317
75.05	7.429	137.05	.604	189.00	.659	252.90	.117	354.05	.487
77.05	47.870	138.05	.165	190.00	.113	255.00	37.855	355.15	.088
78.05	3.373	138.95	.046	190.90	.301	256.00	5.377	365.05	1.734
79.05	3.339	139.85	.219	192.00	.752	257.10	.428	366.05	.259
79.95	2.548	141.05	2.253	193.00	.946	258.00	1.940	370.45	.018
81.05	3.623	142.05	.765	194.00	.242	259.00	.323	371.15	.134
82.05	.820	143.05	.447	195.00	.084	260.80	.033	372.05	.893
83.05	.828	144.15	.102	196.00	3.194	263.80	.020	373.05	.194
83.95	.043	144.95	.135	198.00	100.000	264.30	.037	374.05	.036
85.05	.642	146.05	.323	199.00	6.588	265.00	.690	383.00	.205
86.05	.764	147.05	1.046	200.00	.472	266.00	.113	384.00	.045
87.05	.459	148.05	2.163	201.60	.588	271.00	.096	390.00	.070
87.95	.141	149.05	.386	202.20	.060	272.20	.124	390.90	.051
88.95	.049	150.05	.187	203.10	.476	273.00	1.202	392.00	.028
91.05	.846	150.95	.259	204.00	2.542	274.05	3.266	402.00	.336
92.05	.834	151.25	.077	205.00	4.136	274.95	18.316	403.00	.420
93.05	4.696	151.65	.220	206.10	17.947	276.05	2.319	404.00	.075
93.95	.327	152.05	.084	207.00	2.507	276.95	1.322	421.10	.410
95.05	.101	153.05	.637	208.00	.548	277.95	.240	422.10	.442
96.15	.219	153.95	.489	209.10	.199	282.05	.029	423.00	3.064
98.05	3.405	155.05	1.054	210.40	.392	283.05	.184	424.10	.617

99.05	2.652	156.05	1.412	211.00	.719	283.95	.133	441.10	9.686
100.15	.281	157.15	.461	212.00	.067	285.05	.224	442.00	58.911
101.05	1.680	158.05	.365	214.90	.193	292.15	.039	443.00	10.452
102.05	.118	158.95	.237	216.10	.411	292.95	.329	444.10	.953
103.05	.647	160.05	.598	217.00	4.282	294.05	.057	445.10	.033
104.05	1.129	161.05	1.019						



MS data file header from : >F6175

Sample: INST ID 6F Operator: TERMINAL60MS 9/14/89 9:31
Misc : 50ng DFTPP 1ul 23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890914 17:55

Check Standard Data File:)f6176
Injection Time: 890914 11:04

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
PHENOL	1.93181	2.22819	15.34	Average
BIS(-2-CHLOROETHYL)ETHER	1.92335	2.35447	22.42	Average
2-CHLOROPHENOL	1.55134	1.62440	4.71	Average
1,3-DICHLOROBENZENE	1.60683	1.73991	8.28	Average
1,4-DICHLOROBENZENE	1.58509	1.82709	15.27	Average
BENZYL ALCOHOL	1.00243	1.15530	15.25	Average
1,2-DICHLOROBENZENE	1.49164	1.71385	14.90	Average
2-METHYLPHENOL	1.34368	1.49101	10.96	Average
BIS(2-CHLOROISOPROPYL)ETHER	4.39820	5.41985	23.23	Average
4-METHYLPHENOL	1.42880	1.50328	5.21	Average
N-NITROSO-DI-n-PROPYLAMINE	1.53276	1.82888	19.32	Average
HEXACHLOROETHANE	.69782	.87753	25.75	Average
2-FLUOROPHENOL (SS)	1.17925	1.25402	6.34	Average
PHENOL-d5 (SS)	1.84012	2.16043	17.41	Average
NITROBENZENE	.89441	1.10525	23.57	Average
ISOPHORONE	.98846	1.09807	11.09	Average
2-NITROPHENOL	.26334	.26379	.17	Average
2,4-DIMETHYLPHENOL	.37668	.38921	3.33	Average
BENZOIC ACID	.19435	.15819	18.60	Average
BIS(-2-CHLOROETHOXY)METHANE	.59340	.60527	2.00	Average
2,4-DICHLOROPHENOL	.29436	.28353	3.68	Average
1,2,4-TRICHLOROBENZENE	.32168	.32769	1.87	Average
NAPHTHALENE	.93379	1.01351	8.54	Average
4-CHLOROANILINE	.47714	.50596	6.04	Average
HEXACHLOROBUTADIENE	.16352	.16533	1.11	Average
4-CHLORO-3-METHYLPHENOL	.35376	.37323	5.50	Average
2-METHYLNAPHTHALENE	.60592	.65299	7.77	Average
NITROBENZENE-d5 (SS)	.46630	.52823	13.28	Average
HEXACHLOROCYCLOPENTADIENE	.33419	.38146	14.14	Average
2,4,6-TRICHLOROPHENOL	.39854	.40263	1.03	Average
2,4,5-TRICHLOROPHENOL	.38565	.41903	8.66	Average
2-CHLORONAPHTHALENE	1.19402	1.28516	7.56	Average
2-NITROANILINE	.70238	.82658	17.68	Average
DIMETHYL PHTHALATE	1.55295	1.64866	6.16	Average
ACENAPHTHYLENE	1.94588	2.23908	15.07	Average
3-NITROANILINE	.43430	.41995	3.30	Average
ACENAPHTHENE	1.30366	1.44774	11.05	Average
2,4-DINITROPHENOL	.23751	.22900	3.55	Average
4-NITROPHENOL	.14126	.16621	17.66	Average
DIBENZOFURAN	1.67447	2.00894	19.97	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890914 17:55

Check Standard Data File:)F6176
Injection Time: 890914 11:04

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
2,4-DINITROTOLUENE	.57736	.58356	1.07	Average
2,6-DINITROTOLUENE	.41084	.48951	19.15	Average
DIETHYLPHTHALATE	1.42025	1.70975	20.38	Average
4-CHLORDPHENYL-PHENYLETHER	.61979	.74018	19.42	Average
FLUORENE	1.17797	1.49406	26.83	Average
4-NITROANILINE	.40197	.31677	21.19	Average
2-FLUOROBIPHENYL (SS)	1.24187	1.41788	14.17	Average
2,4,6-TRIBROMOPHENOL (SS)	.23186	.22332	3.68	Average
4,6-DINITRO-2-METHYLPHENOL	.16336	.16108	1.40	Average
N-NITROSODIPHENYLAMINE	.53402	.59262	10.97	Average
4-BROMOPHENYL-PHENYLETHER	.22496	.25673	14.12	Average
HEXACHLOROBENZENE	.29475	.30090	2.09	Average
PENTACHLOROPHENOL	.13580	.12058	11.21	Average
PHENANTHRENE	1.06681	1.21296	13.70	Average
ANTHRACENE	1.02808	1.10383	7.37	Average
DI-N-BUTYLPHTHALATE	1.41124	1.71874	21.79	Average
FLUORANTHENE	1.00848	1.08872	7.96	Average
PYRENE	1.59817	1.81718	13.70	Average
BUTYLBENZYLPHTHALATE	.95081	1.03528	8.88	Average
3,3'-DICHLOROBENZIDINE	.20848	.22656	8.68	Average
BENZO(a)ANTHRACENE	1.22575	1.39611	13.90	Average
BIS(2-ETHYLHEXYL)PHTHALATE	1.22835	1.47894	20.40	Average
CHRYSENE	1.23073	1.35129	9.80	Average
TERPHENYL-d14 (SS)	.97905	1.05897	8.16	Average
DI-N-OCTYL PHTHALATE	2.83514	3.32887	17.41	Average
BENZO(b)FLUORANTHENE	1.84792	1.98220	7.27	Average
BENZO(k)FLUORANTHENE	1.18203	1.24235	5.10	Average
BENZO(a)PYRENE	1.46874	1.57032	6.92	Average
INDENO(1,2,3-cd)PYRENE	.98207	.99784	13.12	Average
DIBENZO(a,h)ANTHRACENE	.87401	.98049	12.18	Average
BENZO(g,h,i)PERYLENE	.77737	.84062	8.14	Average

RF - Response factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

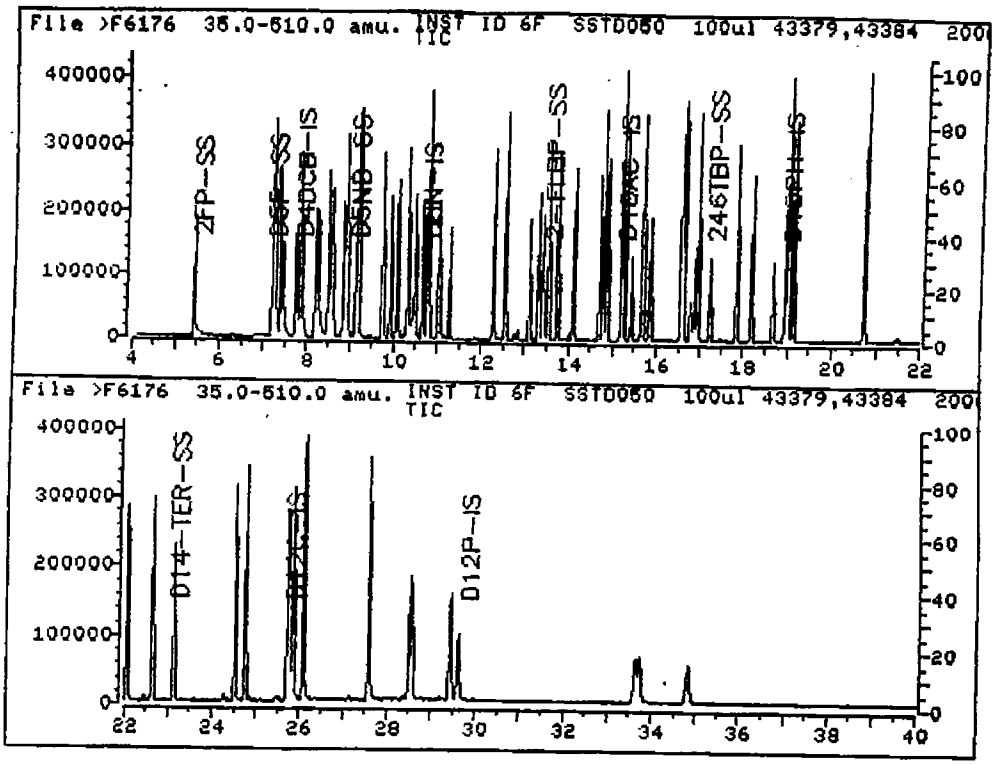
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890914 20:27
Output File: ^F6176::QT Injected at: 890914 11:04
Data File: >F6176::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD050
Misc: 100ul 43379,43384 200ul MeCl2 IS=40ng 8ul 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.82	152.0	53222	40.00	ng	87
2)	PHENOL	7.24	94.0	148236	50.00	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.40	93.0	156637	50.00	ng	82
4)	2-CHLOROPHENOL	7.45	128.0	108067	50.00	ng	84
5)	1,3-DICHLOROBENZENE	7.74	146.0	115752	50.00	ng	94
6)	1,4-DICHLOROBENZENE	7.86	146.0	121552	50.00	ng	89
7)	BENZYL ALCOHOL	8.22	108.0	76859	50.00	ng	83
8)	1,2-DICHLOROBENZENE	8.26	146.0	114018	50.00	ng	92
9)	2-METHYLPHENOL	8.51	108.0	99193	50.00	ng	92
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.57	45.0	360569	50.00	ng	100
11)	4-METHYLPHENOL	8.86	108.0	100004	50.00	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	8.93	70.0	121671	50.00	ng	44
13)	HEXACHLOROETHANE	8.95	117.0	58380	50.00	ng	87
14)	2-FLUOROPHENOL (SS)	5.42	112.0	83427	50.00	ng	44
15)	PHENOL-d5 (SS)	7.22	99.0	143728	50.00	ng	81
16)	*NAPHTHALENE-d8 (IS)	10.78	136.0	226648	40.00	ng	100
17)	NITROBENZENE	9.22	77.0	313129	50.00	ng	49
18)	ISOPHORONE	9.76	82.0	311093	50.00	ng	81
19)	2-NITROPHENOL	9.93	139.0	74733	50.00	ng	71
20)	2,4-DIMETHYLPHENOL	10.09	107.0	110266	50.00	ng	91
21)	BENZOIC ACID	10.47	122.0	44817	50.00	ng	96
22)	BIS(-2-CHLOROETHOXY)METHANE	10.32	93.0	171478	50.00	ng	76
23)	2,4-DICHLOROPHENOL	10.49	162.0	80327	50.00	ng	90
24)	1,2,4-TRICHLOROBENZENE	10.68	180.0	92838	50.00	ng	96
25)	NAPHTHALENE	10.83	128.0	287137	50.00	ng	100
26)	4-CHLOROANILINE	11.05	127.0	143343	50.00	ng	97
27)	HEXACHLOROBUTADIENE	11.28	225.0	46841	50.00	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.29	107.0	105740	50.00	ng	100
29)	2-METHYLNAPHTHALENE	12.54	142.0	185000	50.00	ng	96
30)	NITROBENZENE-d5 (SS)	9.16	82.0	149653	50.00	ng	82
31)	*ACENAPHTHENE-d10 (IS)	15.21	164.0	109459	40.00	ng	94
32)	HEXACHLOROCYCLOPENTADIENE	13.12	237.0	52193	50.00	ng	95
33)	2,4,6-TRICHLOROPHENOL	13.33	196.0	55090	50.00	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.41	196.0	57333	50.00	ng	94
35)	2-CHLORONAPHTHALENE	13.75	162.0	175841	50.00	ng	94
36)	2-NITROANILINE	14.14	65.0	113096	50.00	ng	64
37)	DIMETHYL PHTHALATE	14.73	163.0	225576	50.00	ng	59
38)	ACENAPHTHYLENE	14.81	152.0	306360	50.00	ng	88
39)	3-NITROANILINE	15.21	138.0	57459	50.00	ng	55
40)	ACENAPHTHENE	15.29	153.0	198085	50.00	ng	89

41)	2,4-DINITROPHENOL	15.46	184.0	31343	50.00	ng	100
42)	4-NITROPHENOL	15.69	109.0	22741	50.00	ng	71
43)	DIBENZOFURAN	15.71	168.0	274871	50.00	ng	88
44)	2,4-DINITROTOLUENE	15.86	165.0	79845	50.00	ng	78
45)	2,6-DINITROTOLUENE	14.90	165.0	66977	50.00	ng	63
46)	DIETHYLPHTHALATE	16.55	149.0	233935	50.00	ng	90
47)	4-CHLOROPHENYL-PHENYLETHER	16.63	204.0	101274	50.00	ng	100
48)	FLUORENE	16.59	166.0	204423	50.00	ng	97
49)	4-NITROANILINE	16.78	138.0	43342	50.00	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.56	172.0	193999	50.00	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.24	330.0	30555	50.00	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.97	188.0	200128	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.88	198.0	40295	50.00	ng	100
54)	N-NITROSODIPHENYLAMINE	16.96	169.0	148250	50.00	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	17.86	248.0	64224	50.00	ng	87
56)	HEXACHLOROBENZENE	18.20	284.0	75274	50.00	ng	100
57)	PENTACHLOROPHENOL	18.68	266.0	30164	50.00	ng	100
58)	PHENANTHRENE	19.03	178.0	303435	50.00	ng	82
59)	ANTHRACENE	19.14	178.0	276134	50.00	ng	84
60)	DI-N-BUTYLPHTHALATE	20.73	149.0	429960	50.00	ng	100
61)	FLUORANTHENE	22.08	202.0	272355	50.00	ng	99
62)	*CHRYSENE-d12 (IS)	25.79	240.0	126227	40.00	ng	100
63)	PYRENE	22.65	202.0	286721	50.00	ng	96
64)	BUTYLBENZYLPHTHALATE	24.53	149.0	163350	50.00	ng	71
65)	3,3'-DICHLOROBENZIDINE	25.74	252.0	35748	50.00	ng	100
66)	BENZO(a)ANTHRACENE	25.74	228.0	220284	50.00	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.08	149.0	233352	50.00	ng	90
68)	CHRYSENE	25.87	228.0	213211	50.00	ng	90
69)	TERPHENYL-d14 (SS)	23.15	244.0	167089	50.00	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	85675	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.59	149.0	356501	50.00	ng	100
72)	BENZO(b)FLUORANTHENE	28.51	252.0	212281	50.00	ng	100
73)	BENZO(k)FLUORANTHENE	28.59	252.0	133048	50.00	ng	100
74)	BENZO(a)PYRENE	29.47	252.0	168171	50.00	ng	90
75)	INDENO(1,2,3-cd)PYRENE	33.66	276.0	106862	50.00	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.74	278.0	105004	50.00	ng	100
77)	BENZO(g,h,i)PERYLENE	34.83	276.0	90025	50.00	ng	100

* Compound is ISTD



MS data file header from : >F6176

Sample: INST ID 6F SSTD050 Operator: TERMINAL60MS 9/14/89 11:04
Misc : 100ul 43379,43384 200ul MeCl2 IS=40ng 8ul 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	55.24	55.24	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.25	65.25	Ok
70	Less than 2% of mass 69	.31	.47	Ok
127	40-60% of mass 198	41.70	41.70	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	7.00	7.00	Ok
275	10-30% of mass 198	17.53	17.53	Ok
365	Greater than 1% of mass 198	1.63	1.63	Ok
441	0-100% of mass 443	10.61	87.23	Ok
442	Greater than 40% of mass 198	63.31	63.31	Ok
443	17-23% of mass 442	12.16	19.21	Ok

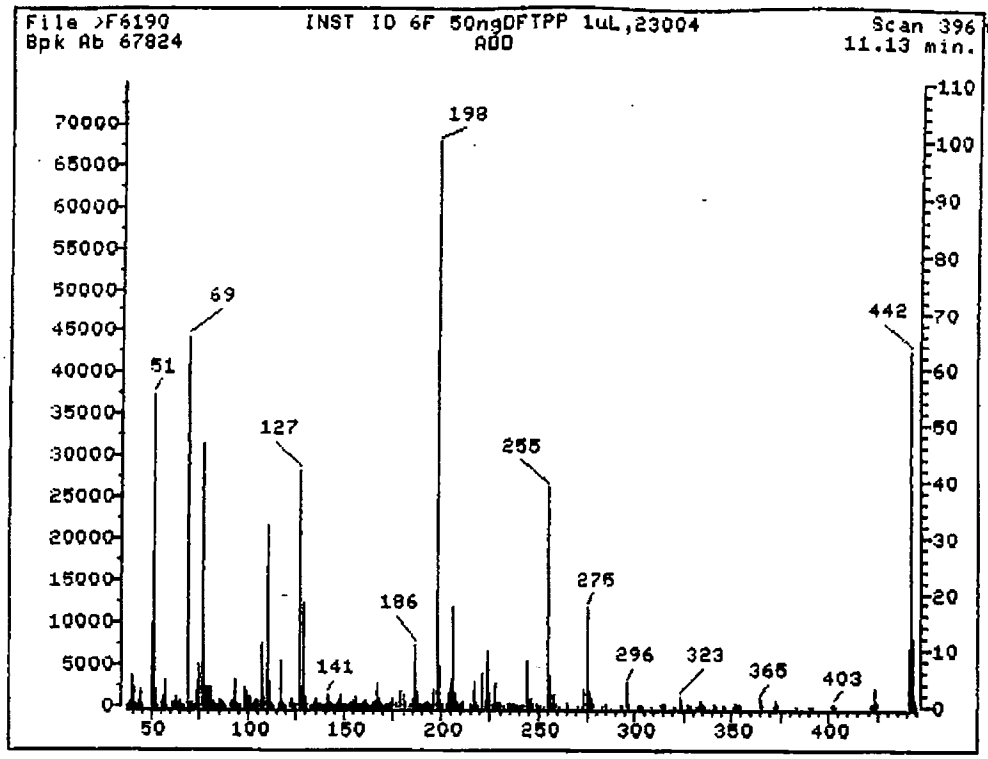
Injection Date: 09/15/89
Injection Time: 00:13
Data File: >F6190
Scan: 396+395
9/15/89

>F6190 INST ID 6F 50ngDFTPP 1uL,23004
396+395 ADD NRM
MM 9/15/89

File: >F6190 Scan #: 396 Retn. time: 11.13

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.00	.038	100.05	.292	157.05	.436	210.35	.203	293.10	.298
37.10	.290	100.95	1.679	157.95	.386	210.95	.720	293.90	.056
38.10	.835	102.15	.049	159.05	.302	215.05	.218	296.00	4.336
39.00	5.404	102.95	.759	159.95	.663	216.15	.183	296.90	.531
40.00	3.319	103.95	1.054	160.95	.938	216.95	4.370	302.20	.090
41.00	.490	104.95	1.042	161.75	.233	217.95	.607	303.10	.516
42.00	.158	106.95	11.138	162.05	.128	219.15	.038	304.10	.142
43.10	.929	107.95	1.865	162.95	.096	221.05	5.589	309.00	.063
44.00	3.028	109.95	31.843	164.05	.144	223.05	.985	314.00	.214
45.00	.192	110.95	4.376	164.95	.728	224.00	9.902	315.00	.510
50.00	14.371	112.05	.466	166.05	.606	225.00	2.217	316.10	.280
51.00	55.239	112.85	.178	166.95	3.953	226.10	.336	321.00	.087
52.10	2.972	116.15	.274	167.95	1.318	227.00	3.932	323.10	1.743
53.00	.038	116.95	8.015	169.05	.288	228.00	.522	324.00	.318
55.00	.619	117.95	.624	170.05	.136	229.00	.662	327.00	.276
56.00	1.716	119.05	.111	170.95	.168	230.00	.115	327.90	.116
57.00	4.705	120.05	.139	171.05	.052	230.90	.289	329.00	.040
58.00	.086	121.95	.811	171.95	.349	232.00	.058	331.90	.115
61.00	.799	122.95	1.215	173.05	.453	232.80	.050	333.20	.171
62.10	.662	123.95	.510	174.05	.833	233.90	.223	334.10	1.028
63.00	1.812	124.95	.464	175.05	1.295	235.00	.254	335.10	.236
64.10	.217	126.95	41.705	176.05	.507	235.90	.093	336.00	.028
65.00	.920	128.05	3.434	176.95	.818	237.00	.290	341.10	.209
66.00	.049	128.95	18.039	178.05	.333	238.00	.025	342.10	.077
67.30	.063	129.95	1.557	178.95	2.739	238.90	.068	346.00	.279
69.00	65.250	130.95	.262	180.05	1.954	240.00	.155	347.00	.063
70.10	.305	132.05	.187	181.05	.851	240.80	.060	350.90	.025
71.10	.593	132.75	.028	181.85	.106	241.10	.103	352.10	.560
72.10	.032	133.25	.025	182.95	.147	242.00	.501	353.00	.374
73.00	.354	133.95	.563	183.95	.229	244.00	8.211	354.10	.523
74.00	4.255	135.05	1.536	185.05	1.323	245.10	1.100	355.00	.112
75.00	7.379	135.95	.507	186.05	10.914	246.00	1.272	365.00	1.629
77.05	46.298	136.95	.520	187.05	2.856	247.00	.243	366.00	.257
77.95	3.335	137.65	.165	188.05	.286	249.00	.305	371.10	.146
78.95	3.370	137.95	.087	189.05	.523	250.00	.029	372.10	.954
79.95	2.473	138.85	069	189.85	.097	250.90	.038	372.95	.220
80.95	3.496	140.05	.273	190.05	.041	253.00	.137	383.05	.122
81.95	.840	140.25	.055	191.05	.295	255.00	38.967	384.05	.046

82.95	.846	140.95	2.058	191.95	.873	256.00	5.317	389.95	.136
83.75	.038	141.95	.674	193.05	.824	257.00	.425	390.95	.046
84.05	.080	142.95	.456	194.05	.226	258.00	2.117	391.15	.050
85.05	.917	143.05	.152	195.05	.065	259.00	.366	391.95	.044
85.95	.731	144.05	.105	196.05	2.891	261.00	.038	401.95	.382
86.95	.405	144.85	.060	197.95	100.000	265.00	.736	403.05	.519
88.05	.202	145.95	.410	198.95	6.999	265.90	.131	404.05	.187
88.85	.050	146.95	1.081	200.05	.445	270.80	.059	421.05	.433
90.95	.874	147.95	2.013	201.45	.494	272.10	.075	422.15	.532
92.05	.892	148.95	.479	203.05	.484	273.10	1.134	422.95	3.304
92.95	4.644	150.15	.074	204.05	2.417	274.00	3.080	423.95	.649
93.95	.286	151.45	.293	205.05	4.205	275.00	17.531	441.15	10.608
95.05	.058	152.05	.175	206.05	17.349	276.00	2.565	442.05	63.309
95.35	.022	152.95	.622	207.05	2.310	277.00	1.438	443.05	12.161
96.05	.258	153.95	.625	207.95	.582	278.00	.248	444.05	1.091
97.95	3.435	155.05	1.113	208.95	.124	283.20	.146	445.05	.080
98.95	2.790	155.95	1.595	210.15	.397	285.00	.254		



MS data file header from : >F6190

Sample: INST ID 6F 50ngDFTPP Operator: TERMINAL62MS 9/15/89 0:13
Misc : 1uL,23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890915 07:22

Compound	Files: >F6197 RF 20.00	>F6193 RF 50.00	>F6196 RF 80.00	>F6195 RF 120.00	>F6194 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD
PHENOL	2.24442	1.97006	1.69742	1.85829	1.81241	.929	1.91652	10.839✓
BIS(-2-CHLOROETHYL)ETHER	1.89200	2.13401	1.76255	1.71400	1.71409	.940	1.84333	9.660
2-CHLOROPHENOL	1.55095	1.56070	1.45346	1.45656	1.16902	.953	1.43814	11.035
1,3-DICHLOROBENZENE	1.66643	1.70868	1.53039	1.58165	1.53569	.990	1.60457	4.970
1,4-DICHLOROBENZENE	1.67915	1.47324	1.48027	1.57161	1.48706	1.005	1.53827	5.739✓
BENZYL ALCOHOL	.86565	1.10060	.93979	.93188	.93322	1.053	.95423	9.139
1,2-DICHLOROBENZENE	1.66452	1.69580	1.49571	1.31478	1.20029	1.056	1.47422	14.636
2-METHYLPHENOL	1.53246	1.55231	1.40007	1.39896	1.28119	1.088	1.43300	7.757
BIS(2-CHLOROISOPROPYL)ETHER	4.33408	4.65075	3.99028	4.03886	3.86862	1.096	4.17652	7.554
4-METHYLPHENOL	1.51262	1.46127	1.46290	1.26933	1.36525	1.135	1.41487	6.884
N-NITROSO-DI-n-PROPYLAMINE	1.64151	1.54261	1.41271	1.50183	1.29708	1.147	1.47915✓	8.845
HEXACHLOROETHANE	.78459	.73640	.64223	.57845	.54859	1.142	.65805	15.332
2-FLUOROPHENOL (SS)	1.49924	1.10799	1.11804	1.07346	1.32327	.694	1.22440	14.891
PHENOL-d5 (SS)	1.96687	1.87429	1.67052	1.67892	1.59659	.925	1.75744	8.866
NITROBENZENE	1.05822	1.03172	.85193	.74713	.75931	.857	.88966	16.608
ISOPHORONE	1.04167	1.04982	.91857	.91690	.87214	.908	.95982	8.405
2-NITROPHENOL	.29788	.25821	.28349	.26149	.26501	.922	.27322	6.190✓
2,4-DIMETHYLPHENOL	.42161	.38532	.34642	.34226	.36172	.938	.37147	8.807
BENZOIC ACID	-	.16771	.16292	.17817	.19734	.983	.17654	8.646
BIS(-2-CHLOROETHOXY)METHANE	.68262	.57620	.51958	.50783	.54153	.960	.56615	12.397
2,4-DICHLOROPHENOL	.34494	.27662	.26445	.26655	.26828	.975	.28417	12.065✓
1,2,4-TRICHLOROBENZENE	.40132	.36760	.31931	.30942	.30079	.991	.33969	12.680
NAPHTHALENE	1.16517	1.00971	.98155	.82309	.80245	1.005	.95639	15.556
4-CHLOROANILINE	.48787	.45703	.44540	.42496	.39339	1.025	.44173	8.000
HEXACHLOROBUTADIENE	.19673	.16190	.14437	.15754	.15812	1.048	.16373	11.970✓
4-CHLORO-3-METHYLPHENOL	.41887	.38001	.32712	.29374	.34728	1.140	.35341	13.630✓
2-METHYLNAPHTHALENE	.72566	.67999	.56995	.52923	.48536	1.163	.59804	16.975
NITROBENZENE-d5 (SS)	.51925	.49509	.41475	.40616	.38929	.851	.44491	13.081
HEXACHLOROCYCLOPENTADIENE	.22704	.27470	.27518	.27453	.25340	.862	.26097✓	8.091
2,4,6-TRICHLOROPHENOL	.37078	.40197	.40089	.34907	.38721	.877	.38182	5.802✓
2,4,5-TRICHLOROPHENOL	-	.38544	.44229	.40588	.34108	.884	.39367	10.724
2-CHLORONAPHTHALENE	1.25355	1.25309	1.30665	1.06931	1.09684	.905	1.19589	8.839
2-NITROANILINE	-	.73361	.74499	.66362	.60202	.932	.68606	9.705
DIMETHYL PHTHALATE	1.58684	1.50870	1.62665	1.36787	1.35642	.969	1.48930	8.303
ACENAPHTHYLENE	2.12021	2.09528	2.07391	1.58569	1.52056	.974	1.87913	15.909
3-NITROANILINE	-	.20536	.34051	.35840	.34449	1.002	.31219	22.945
ACENAPHTHENE	1.33571	1.23780	1.25156	1.10734	.96762	1.007	1.18001	12.214✓
2,4-DINITROPHENOL	-	.15309	.18268	.21885	.23204	1.017	.19666✓	18.187
4-NITROPHENOL	-	.10243	.09594	.08472	.09279	1.033	.09397✓	7.832

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890915 07:22

Compound	Files: >F6197 RF 20.00	>F6193 RF 50.00	>F6196 RF 80.00	>F6195 RF 120.00	>F6194 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD	
DIBENZOFURAN	1.79972	1.81222	1.60469	1.37938	1.31429	1.033	1.58206	14.608	
2,4-DINITROTOLUENE	.50027	.51492	.56789	.51057	.51622	1.044	.52197	5.062	
2,6-DINITROTOLUENE	.39587	.46783	.45182	.41049	.36607	.980	.41842	9.903	
DIETHYLPHTHALATE	1.83979	1.69335	1.60652	1.08295	.91789	1.089	1.42810	28.252	
4-CHLOROPHENYL-PHENYLETHER	.65090	.69327	.55687	.54123	.46125	1.094	.58070	15.876	
FLUORENE	1.38171	1.43013	1.08618	.84636	.72153	1.091	1.09318	28.778	
4-NITROANILINE	-	.16215	.18698	.30818	.32741	1.107	.24618	33.992	
2-FLUOROBIPHENYL (SS)	1.31277	1.23305	1.26025	1.10015	1.07429	.891	1.19610	8.682	
2,4,6-TRIBROMOPHENOL (SS)	.17997	.24007	.23731	.22993	.22250	1.133	.22196	11.014	
4,6-DINITRO-2-METHYLPHENOL	-	.15429	.14902	.16046	.14992	.893	.15342	3.404	
N-NITROSODIPHENYLAMINE	.64605	.67318	.50716	.47771	.47857	.895	.55653	17.128	✓
4-BROMOPHENYL-PHENYLETHER	.27051	.27162	.22931	.20813	.19300	.942	.23451	15.255	
HEXACHLOROBENZENE	.34147	.33684	.26645	.24783	.23260	.960	.28504	17.844	
PENTACHLOROPHENOL	-	.12091	.11878	.13104	.14447	.985	.12880	9.113	✓
PHENANTHRENE	1.23118	1.28143	.99533	.99183	.85982	1.004	1.07192	16.592	
ANTHRACENE	1.19083	1.19615	1.07537	.99425	.88158	1.010	1.06764	12.545	
DI-N-BUTYLPHTHALATE	1.85844	1.78212	1.53140	1.06288	.97196	1.092	1.44136	28.219	
FLUORANTHENE	1.05805	1.10160	.94108	.86575	.80722	1.165	.95474	13.052	✓
PYRENE	2.76107	2.77719	2.25268	2.04157	1.92093	.879	2.35069	17.019	
BUTYLBENZYLPHTHALATE	1.18697	1.40588	1.16281	1.10022	1.09896	.951	1.19097	10.596	
3,3'-DICHLOROBENZIDINE	.20165	.15641	.12245	.17836	.16000	.999	.16378	17.863	
BENZO(a)ANTHRACENE	1.31131	1.46305	1.20537	1.23425	1.04584	.998	1.25196	12.183	
BIS(2-ETHYLHEXYL)PHTHALATE	1.32126	1.78957	1.27852	1.28706	1.11718	1.011	1.35872	18.653	
CHRYSENE	1.33506	1.40496	1.19722	1.15890	1.09429	1.003	1.23809	10.365	
TERPHENYL-d14 (SS)	1.46444	1.48297	1.20994	1.23558	1.09453	.897	1.29750	13.066	
DI-N-OCTYL PHTHALATE	2.65197	3.81475	3.35981	3.38133	2.97203	.931	3.23598	13.665	✓
BENZO(b)FLUORANTHENE	1.75523	1.97407	1.77307	1.93686	1.78002	.963	1.84385	5.593	
BENZO(k)FLUORANTHENE	1.11012	1.16055	1.23764	.98625	1.11722	.965	1.12236	8.148	
BENZO(a)PYRENE	1.41570	1.49684	1.47814	1.42158	1.40116	.994	1.44268	2.918	✓
INDENO(1,2,3-cd)PYRENE	1.23693	1.18715	1.04996	1.34408	1.17319	1.136	1.19826	8.901	
DIBENZO(a,h)ANTHRACENE	.96788	1.12948	1.05210	1.11086	1.11366	1.140	1.07480	6.197	
BENZO(g,h,i)PERYLENE	1.03202	1.07519	.97781	1.02737	1.00613	1.176	1.02371	3.505	

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

QUANT REPORT

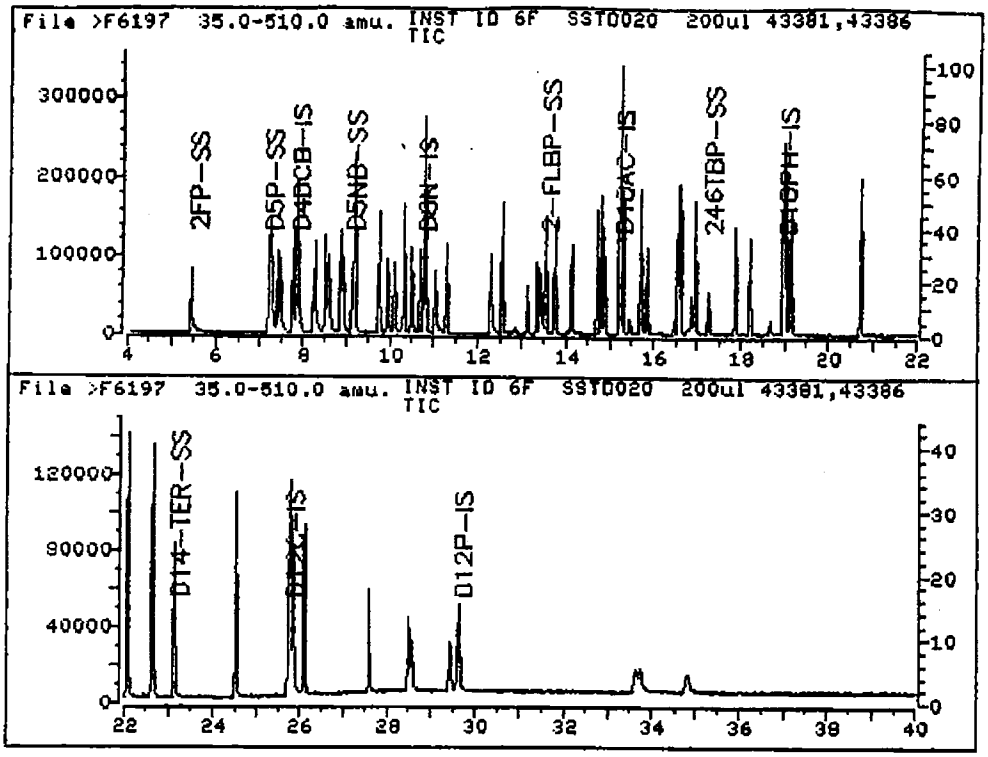
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Output File: ^F6197::QT Injected at: 890915 06:22
Data File: >F6197::DF Dilution Factor: 1.00000
Name: INST ID 6F SSTD020
Misc: 200ul 43381,43386 IS/SS=40ng 8ul 43376 BTL# 4

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.85	152.0	66835	40.00	ng	83
2)	PHENOL	7.24	94.0	75003	20.15	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.41	93.0	63226	16.07	ng	76
4)	2-CHLOROPHENOL	7.47	128.0	51829	19.10	ng	70
5)	1,3-DICHLOROBENZENE	7.77	146.0	55688	19.16	ng	89
6)	1,4-DICHLOROBENZENE	7.87	146.0	56113	18.38	ng	92
7)	BENZYL ALCOHOL	8.22	108.0	28928	14.99	ng	75
8)	1,2-DICHLOROBENZENE	8.29	146.0	55624	19.42	ng	89
9)	2-METHYLPHENOL	8.52	108.0	51211	20.56	ng	93
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.58	45.0	144834	15.99	ng	100
11)	4-METHYLPHENOL	8.87	108.0	50548	20.13	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	8.91	70.0	54855	17.95	ng	45
13)	HEXACHLOROETHANE	8.95	117.0	26219	17.88	ng	89
14)	2-FLUOROPHENOL (SS)	5.43	112.0	50101	23.91	ng	73
15)	PHENOL-d5 (SS)	7.22	99.0	65728	18.21	ng	78
16)	*NAPHTHALENE-d8 (IS)	10.79	136.0	241788	40.00	ng	100
17)	NITROBENZENE	9.20	77.0	127932	19.15	ng	69
18)	ISOPHORONE	9.75	82.0	125932	18.97	ng	90
19)	2-NITROPHENOL	9.93	139.0	36012	22.59	ng	81
20)	2,4-DIMETHYLPHENOL	10.08	107.0	50970	21.67	ng	94
22)	BIS(-2-CHLOROETHOXY)METHANE	10.33	93.0	82525	22.56	ng	78
23)	2,4-DICHLOROPHENOL	10.50	162.0	41701	24.33	ng	91
24)	1,2,4-TRICHLOROBENZENE	10.71	180.0	48517	24.49	ng	95
25)	NAPHTHALENE	10.83	128.0	140862	22.99	ng	100
26)	4-CHLOROANILINE	11.04	127.0	58981	19.29	ng	96
27)	HEXACHLOROBUTADIENE	11.31	225.0	23783	23.80	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.29	107.0	50639	22.45	ng	100
29)	2-METHYLNAPHTHALENE	12.54	142.0	87728	22.23	ng	95
30)	NITROBENZENE-d5 (SS)	9.16	82.0	62774	19.66	ng	79
31)	*ACENAPHTHENE-d10 (IS)	15.23	164.0	142348	40.00	ng	92
32)	HEXACHLOROCYCLOPENTADIENE	13.12	237.0	16159	11.90	ng	97
33)	2,4,6-TRICHLOROPHENOL	13.33	196.0	26390	18.42	ng	98
35)	2-CHLORONAPHTHALENE	13.75	162.0	89220	19.51	ng	96
37)	DIMETHYL PHTHALATE	14.73	163.0	112942	19.25	ng	97
38)	ACENAPHTHYLENE	14.81	152.0	150904	18.94	ng	88
40)	ACENAPHTHENE	15.29	153.0	95068	18.45	ng	79
43)	DIBENZOFURAN	15.71	168.0	128093	17.92	ng	78

44)	2,4-DINITROTOLUENE	15.86	165.0	35606	17.15	ng	82
45)	2,6-DINITROTOLUENE	14.88	165.0	28176	16.17	ng	79
46)	DIETHYLPHTHALATE	16.55	149.0	130945	21.52	ng	88
47)	4-CHLOROPHENYL-PHENYLETHER	16.63	204.0	46327	17.59	ng	100
48)	FLUORENE	16.59	166.0	98342	18.50	ng	97
50)	2-FLUOROBIPHENYL (SS)	13.56	172.0	93435	18.52	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.23	330.0	12809	16.12	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.97	188.0	210564	40.00	ng	100
54)	N-NITROSODIPHENYLAMINE	16.96	169.0	68017	21.80	ng	89
55)	4-BROMOPHENYL-PHENYLETHER	17.86	248.0	28480	21.07	ng	91
56)	HEXACHLOROBENZENE	18.19	284.0	35951	22.70	ng	100
58)	PHENANTHRENE	19.03	178.0	129621	20.30	ng	82
59)	ANTHRACENE	19.13	178.0	125373	21.58	ng	84
60)	DI-N-BUTYLPHTHALATE	20.72	149.0	195660	21.63	ng	100
61)	FLUORANTHENE	22.09	202.0	111394	19.44	ng	94
62)	*CHRYSENE-d12 (IS)	25.79	240.0	79394	40.00	ng	100
63)	PYRENE	22.66	202.0	109606	30.39	ng	91
64)	BUTYLBENZYLPHTHALATE	24.53	149.0	47119	22.93	ng	65
65)	3,3'-DICHLOROBENZIDINE	25.76	252.0	8005	17.80	ng	100
66)	BENZO(a)ANTHRACENE	25.74	228.0	52055	18.79	ng	85
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.08	149.0	52450	17.87	ng	90
68)	CHRYSENE	25.85	228.0	52998	19.76	ng	90
69)	TERPHENYL-d14 (SS)	23.14	244.0	58134	27.66	ng	100
70)	*PERYLENE-d12 (IS)	29.63	264.0	41999	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.58	149.0	55690	15.93	ng	100
72)	BENZO(b)FLUORANTHENE	28.50	252.0	36859	17.71	ng	100
73)	BENZO(k)FLUORANTHENE	28.56	252.0	23312	17.87	ng	100
74)	BENZO(a)PYRENE	29.44	252.0	29729	18.03	ng	98
75)	INDENO(1,2,3-cd)PYRENE	33.64	276.0	25975	24.79	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.75	278.0	20325	19.74	ng	100
77)	BENZO(g,h,i)PERYLENE	34.81	276.0	21672	24.55	ng	100

* Compound is ISTD



MS data file header from : >F6197

Sample: INST ID 6F SSTD020 Operator: TERMINAL62MS 9/15/89 6:22
Misc : 200ul 43381,43386 IS/SS=40ng 8ul 43376 BTL# 4
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

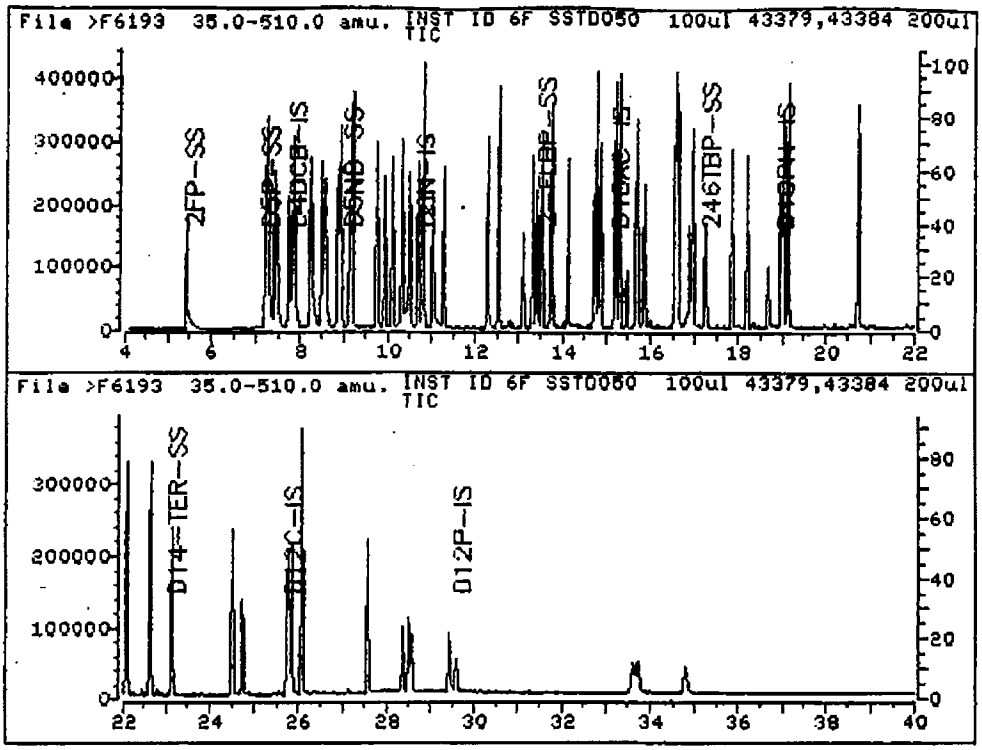
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890915 03:21
Output File: ^F6193::QT Injected at: 890915 02:39
Data File: >F6193::09 Dilution Factor: 1.00000
Name: INST ID 6F SST0050
Misc: 100ul 43379,43384 200ul MeCl2 IS=40ng 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.83	152.0	83732	40.00	ng	86
2)	PHENOL	7.24	94.0	156945	44.21	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.41	93.0	170006	45.32	ng	86
4)	2-CHLOROPHENOL	7.45	128.0	124333	48.04	ng	87
5)	1,3-DICHLOROBENZENE	7.74	146.0	136122	49.10	ng	93
6)	1,4-DICHLOROBENZENE	7.87	146.0	117366	40.32	ng	93
7)	BENZYL ALCOHOL	8.22	108.0	87679	47.63	ng	86
8)	1,2-DICHLOROBENZENE	8.26	146.0	135096	49.47	ng	93
9)	2-METHYLPHENOL	8.51	108.0	123665	52.06	ng	94
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.58	45.0	370502	42.90	ng	100
11)	4-METHYLPHENOL	8.89	108.0	116651	48.71	ng	95
12)	N-NITROSO-DI-n-PROPYLAMINE	8.93	70.0	122892	42.17	ng	47
13)	HEXACHLOROETHANE	8.93	117.0	58665	41.96	ng	76
14)	2-FLUOROPHENOL (SS)	5.43	112.0	88268	44.18	ng	50
15)	PHENOL-d5 (SS)	7.22	99.0	149315	43.38	ng	83
16)	*NAPHTHALENE-d8 (IS)	10.79	136.0	260531	40.00	ng	100
17)	NITROBENZENE	9.22	77.0	335994	46.67	ng	54
18)	ISOPHORONE	9.77	82.0	341890	47.80	ng	83
19)	2-NITROPHENOL	9.93	139.0	84089	48.94	ng	70
20)	2,4-DIMETHYLPHENOL	10.10	107.0	125485	49.50	ng	90
21)	BENZOIC ACID	10.50	122.0	54617	53.01	ng	98
22)	BIS(-2-CHLOROETHOXY)METHANE	10.33	93.0	187647	47.60	ng	81
23)	2,4-DICHLOROPHENOL	10.50	162.0	90086	48.78	ng	92
24)	1,2,4-TRICHLOROBENZENE	10.68	180.0	119715	56.09	ng	96
25)	NAPHTHALENE	10.83	128.0	328825	49.81	ng	100
26)	4-CHLOROANILINE	11.04	127.0	148839	45.17	ng	98
27)	HEXACHLOROBUTADIENE	11.29	225.0	52724	48.96	ng	74
28)	4-CHLORO-3-METHYLPHENOL	12.29	107.0	123755	50.91	ng	100
29)	2-METHYLNAPHTHALENE	12.54	142.0	221449	52.07	ng	97
30)	NITROBENZENE-d5 (SS)	9.16	82.0	161232	46.86	ng	84
31)	*ACENAPHTHENE-d10 (IS)	15.21	164.0	136575	40.00	ng	96
32)	HEXACHLOROCYCLOPENTADIENE	13.11	237.0	46897	36.01	ng	94
33)	2,4,6-TRICHLOROPHENOL	13.33	196.0	68623	49.92	ng	97
34)	2,4,5-TRICHLOROPHENOL	13.42	196.0	65801	45.99	ng	95
35)	2-CHLORONAPHTHALENE	13.75	162.0	213926	48.75	ng	97
36)	2-NITROANILINE	14.15	65.0	125241	44.38	ng	63
37)	DIMETHYL PHTHALATE	14.73	163.0	257563	45.76	ng	97
38)	ACENAPHTHYLENE	14.82	152.0	357704	46.79	ng	87
39)	3-NITROANILINE	15.21	138.0	35059	24.45	ng	82
40)	ACENAPHTHENE	15.30	153.0	211316	42.75	ng	80
41)	2,4-DINITROPHENOL	15.44	184.0	26135	33.41	ng	100
42)	4-NITROPHENOL	15.70	109.0	17487	30.81	ng	45
43)	DIBENZOFURAN	15.72	168.0	309380	45.10	ng	73

44)	2,4-DINITROTOLUENE	15.86	165.0	87907	44.12	ng	80
45)	2,6-DINITROTOLUENE	14.90	165.0	79867	47.79	ng	64
46)	DIETHYLPHTHALATE	16.55	149.0	289087	49.52	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.64	204.0	118355	46.83	ng	100
48)	FLUORENE	16.59	166.0	244150	47.86	ng	93
49)	4-NITROANILINE	16.82	138.0	27682	25:59	ng	82
50)	2-FLUOROBIPHENYL (SS)	13.54	172.0	210505	43.48	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.24	330.0	40984	53.75	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.96	188.0	205930	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.89	198.0	39715	47.89	ng	100
54)	N-NITROSODIPHENYLAMINE	16.97	169.0	173284	56.80	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	17.85	248.0	69919	52.90	ng	96
56)	HEXACHLOROBENZENE	18.20	284.0	86707	55.97	ng	100
57)	PENTACHLOROPHENOL	18.66	266.0	31124	50.14	ng	100
58)	PHENANTHRENE	19.02	178.0	329855	52.82	ng	94
59)	ANTHRACENE	19.14	178.0	307905	54.18	ng	82
60)	DI-N-BUTYLPHTHALATE	20.71	149.0	458739	51.84	ng	100
61)	FLUORANTHENE	22.09	202.0	283565	50.59	ng	98
62)	*CHRYSENE-d12 (IS)	25.79	240.0	82525	40.00	ng	100
63)	PYRENE	22.66	202.0	286485	76.42	ng	93
64)	BUTYLBENZYLPHTHALATE	24.52	149.0	145025	67.90	ng	77
65)	3,3'-DICHLOROBENZIDINE	25.75	252.0	16135	34.52	ng	100
66)	BENZO(a)ANTHRACENE	25.75	228.0	150923	52.40	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.09	149.0	184605	60.50	ng	96
68)	CHRYSENE	25.86	228.0	144930	51.99	ng	91
69)	TERPHENYL-d14 (SS)	23.14	244.0	152978	70.02	ng	100
70)	*PERYLENE-d12 (IS)	29.61	264.0	46740	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.57	149.0	222877	57.30	ng	100
72)	BENZO(b)FLUORANTHENE	28.50	252.0	115335	49.79	ng	100
73)	BENZO(k)FLUORANTHENE	28.56	252.0	67805	46.71	ng	100
74)	BENZO(a)PYRENE	29.44	252.0	87453	47.66	ng	98
75)	INDENO(1,2,3-cd)PYRENE	33.63	276.0	69359	59.49	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.73	278.0	65990	57.60	ng	100
77)	BENZO(g,h,i)PERYLENE	34.80	276.0	62818	63.95	ng	100

* Compound is ISTD



MS data file header from : >F6193

Sample: INST ID 6F SSTD050 . Operator: TERMINAL62MS 9/15/89 2:39
Misc : 100ul 43379,43384 200ul MeCl2 IS=40ng 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

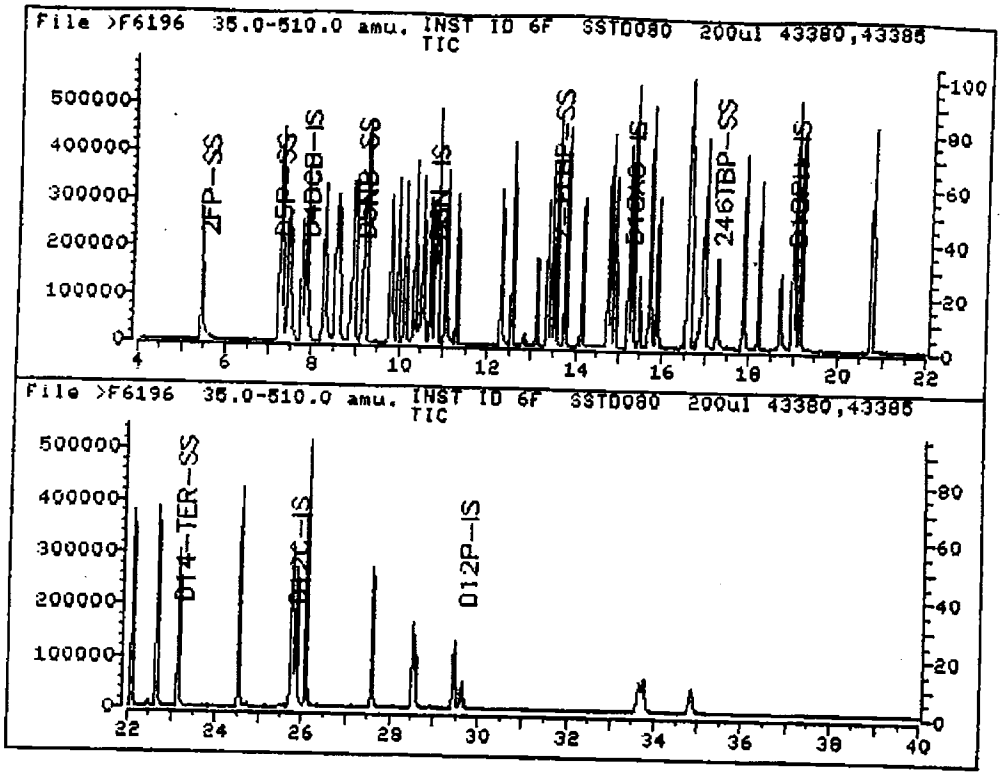
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890915 06:14
Output File: ^F6196::QT Injected at: 890915 05:32
Data File: >F6196::DF Dilution Factor: 1.00000
Name: INST ID 6F SSTD080
Misc: 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.85	152.0	65547	40.00	ng	88
2)	PHENOL	7.29	94.0	222521	60.94	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.45	93.0	231060	59.89	ng	76
4)	2-CHLOROPHENOL	7.50	128.0	190540	71.58	ng	72
5)	1,3-DICHLOROBENZENE	7.77	146.0	200625	70.37	ng	92
6)	1,4-DICHLOROBENZENE	7.89	146.0	194054	64.81	ng	90
7)	BENZYL ALCOHOL	8.27	108.0	123201	65.08	ng	86
8)	1,2-DICHLOROBENZENE	8.29	146.0	196079	69.82	ng	94
9)	2-METHYLPHENOL	8.54	108.0	183541	75.12	ng	95
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.60	45.0	523102	58.90	ng	100
11)	4-METHYLPHENOL	8.93	108.0	191777M	77.86	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.02	70.0	185198	61.80	ng	41
13)	HEXACHLOROETHANE	8.98	117.0	84192	58.55	ng	91
14)	2-FLUOROPHENOL (SS)	5.45	112.0	146568	71.32	ng	60
15)	PHENOL-d5 (SS)	7.27	99.0	218995	61.86	ng	77
16)	*NAPHTHALENE-d8 (IS)	10.81	136.0	271108	40.00	ng	100
17)	NITROBENZENE	9.27	77.0	461930	61.66	ng	59
18)	ISOPHORONE	9.81	82.0	498064	66.92	ng	86
19)	2-NITROPHENOL	9.98	139.0	153713	85.98	ng	69
20)	2,4-DIMETHYLPHENOL	10.14	107.0	187834	71.21	ng	94
21)	BENZOIC ACID	10.58	122.0	88339M	82.39	ng	98
22)	BIS(-2-CHLOROETHOXY)METHANE	10.37	93.0	281726	68.67	ng	78
23)	2,4-DICHLOROPHENOL	10.54	162.0	143387	74.62	ng	93
24)	1,2,4-TRICHLOROBENZENE	10.71	180.0	173136	77.95	ng	97
25)	NAPHTHALENE	10.87	128.0	532214	77.48	ng	100
26)	4-CHLOROANILINE	11.08	127.0	241503	70.42	ng	95
27)	HEXACHLOROBUTADIENE	11.31	225.0	78282	69.86	ng	77
28)	4-CHLORO-3-METHYLPHENOL	12.31	107.0	177372	70.12	ng	100
29)	2-METHYLNAPHTHALENE	12.56	142.0	309035	69.83	ng	96
30)	NITROBENZENE-d5 (SS)	9.19	82.0	224885	62.81	ng	87
31)	*ACENAPHTHENE-d10 (IS)	15.24	164.0	135808	40.00	ng	93
32)	HEXACHLOROCYCLOPENTADIENE	13.13	237.0	74743	57.71	ng	96
33)	2,4,6-TRICHLOROPHENOL	13.36	196.0	108671	79.49	ng	98
34)	2,4,5-TRICHLOROPHENOL	13.46	196.0	120134	84.44	ng	97
35)	2-CHLORONAPHTHALENE	13.80	162.0	354906	81.34	ng	93
36)	2-NITROANILINE	14.19	65.0	202350	72.10	ng	62
37)	DIMETHYL PHTHALATE	14.78	163.0	441823	78.93	ng	56
38)	ACENAPHTHYLENE	14.84	152.0	563307	74.10	ng	86
39)	3-NITROANILINE	15.26	138.0	92487	64.87	ng	62
40)	ACENAPHTHENE	15.34	153.0	339943	69.16	ng	78
41)	2,4-DINITROPHENOL	15.49	184.0	49619	63.80	ng	100
42)	4-NITROPHENOL	15.72	109.0	26058	46.18	ng	46
43)	DIBENZOFURAN	15.74	168.0	435859	63.90	ng	84

44)	2,4-DINITROTOLUENE	15.90	165.0	154249	77.85	ng	74
45)	2,6-DINITROTOLUENE	14.92	165.0	122721	73.84	ng	78
46)	DIETHYLPHTHALATE	16.59	149.0	436356	75.17	ng	87
47)	4-CHLOROPHENYL-PHENYLETHER	16.66	204.0	151255	60.19	ng	100
48)	FLUORENE	16.61	166.0	295023	58.16	ng	99
49)	4-NITROANILINE	16.82	138.0	50787	47.22	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.59	172.0	342305	71.11	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.26	330.0	64456	85.01	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.98	188.0	236482	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.93	198.0	70483	74.01	ng	100
54)	N-NITROSODIPHENYLAMINE	16.99	169.0	239870	68.46	ng	85
55)	4-BROMOPHENYL-PHENYLETHER	17.89	248.0	108456	71.46	ng	84
56)	HEXACHLOROBENZENE	18.22	284.0	126021	70.84	ng	100
57)	PENTACHLOROPHENOL	18.70	266.0	56177	78.80	ng	100
58)	PHENANTHRENE	19.06	178.0	470753	65.65	ng	80
59)	ANTHRACENE	19.19	178.0	508611	77.94	ng	84
60)	DI-N-BUTYLPHTHALATE	20.73	149.0	724298	71.28	ng	100
61)	FLUORANTHENE	22.11	202.0	445097	69.15	ng	99
62)	*CHRYSENE-d12 (IS)	25.81	240.0	101399	40.00	ng	100
63)	PYRENE	22.67	202.0	456839	99.17	ng	98
64)	BUTYLBENZYLPHTHALATE	24.55	149.0	235816	89.86	ng	67
65)	3,3'-DICHLOROBENZIDINE	25.79	252.0	24833	43.24	ng	100
66)	BENZO(a)ANTHRACENE	25.77	228.0	244447	69.07	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.10	149.0	259282	69.16	ng	94
68)	CHRYSENE	25.87	228.0	242793	70.88	ng	90
69)	TERPHENYL-d14 (SS)	23.15	244.0	245374	91.40	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	48106	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.59	149.0	323254	80.74	ng	100
72)	BENZO(b)FLUORANTHENE	28.53	252.0	170591	71.56	ng	100
73)	BENZO(k)FLUORANTHENE	28.59	252.0	119076	79.70	ng	100
74)	BENZO(a)PYRENE	29.47	252.0	142215	75.30	ng	99
75)	INDENO(1,2,3-cd)PYRENE	33.68	276.0	101019	84.18	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.78	278.0	101225	85.84	ng	100
77)	BENZO(g,h,i)PERYLENE	34.85	276.0	94077	93.06	ng	100

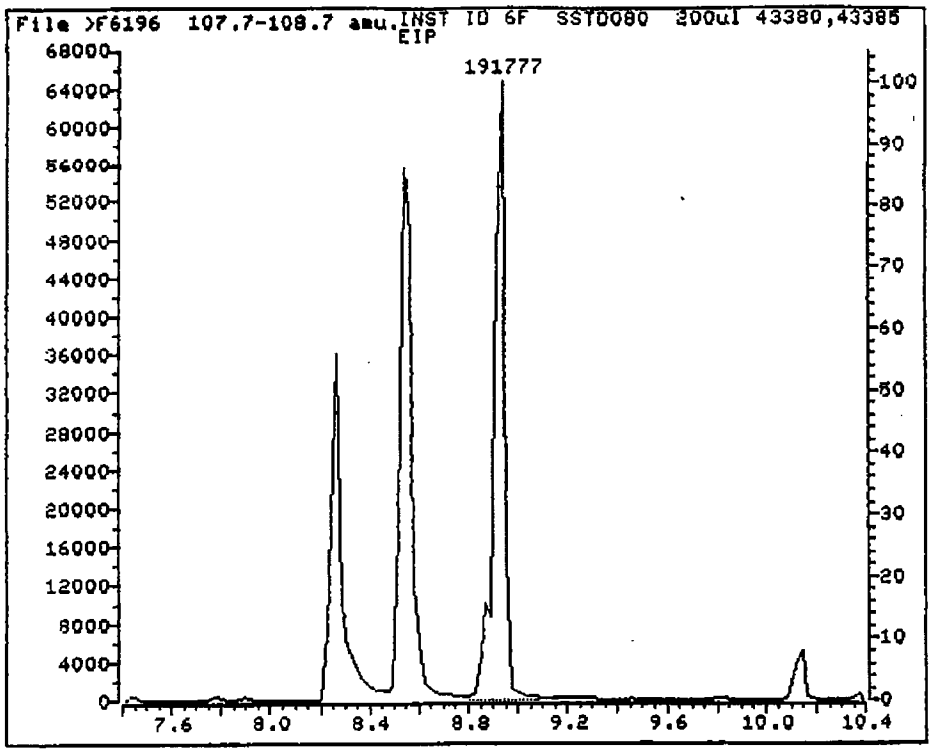
* Compound is ISTD



MS data file header from : >F6196

Sample: INST ID 6F SSTD080 Operator: TERMINAL62MS 9/15/89 5:32
Misc : 200ul 43380,43385 IS/SS=40ng 8ul 43375 BTL# 3
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

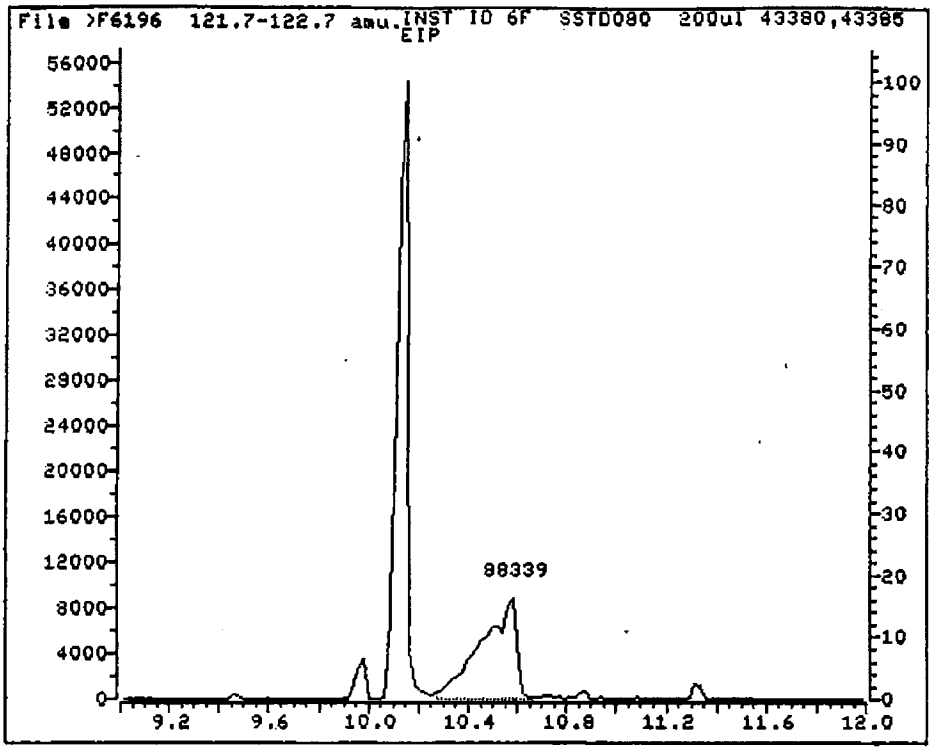
Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6196::DF Quant Output File: ^F6196::QT
Name: INST ID 6F SSTD080
Misc: 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3
Quant Time: 890915 06:14 Quant ID File: CLPID6::D7
Injected at: 890915 05:32 Last Calibration: 890914 18:51

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 232
Retention Time: 8.93 min.
Quant Ion: 108.0
Area: 191777M
Concentration: 77.86 ng
q-value: 96

This report was produced by QAREA on: 890915 07:00



Data File: >F6196::DF Quant Output File: ^F6196::QT
Name: INST ID 6F SSTD080
Misc: 200ul 43380,43385 IS/SS=40ng 8ul 43376 BTL# 3
Quant Time: 890915 06:14 Quant ID File: CLPID6::D7
Injected at: 890915 05:32 Last Calibration: 890914 18:51

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 311
Retention Time: 10.58 min.
Quant Ion: 122.0
Area: 88339M
Concentration: 82.39 ng
q-value: 98

This report was produced by QAREA on: 890915 07:09

QUANT REPORT

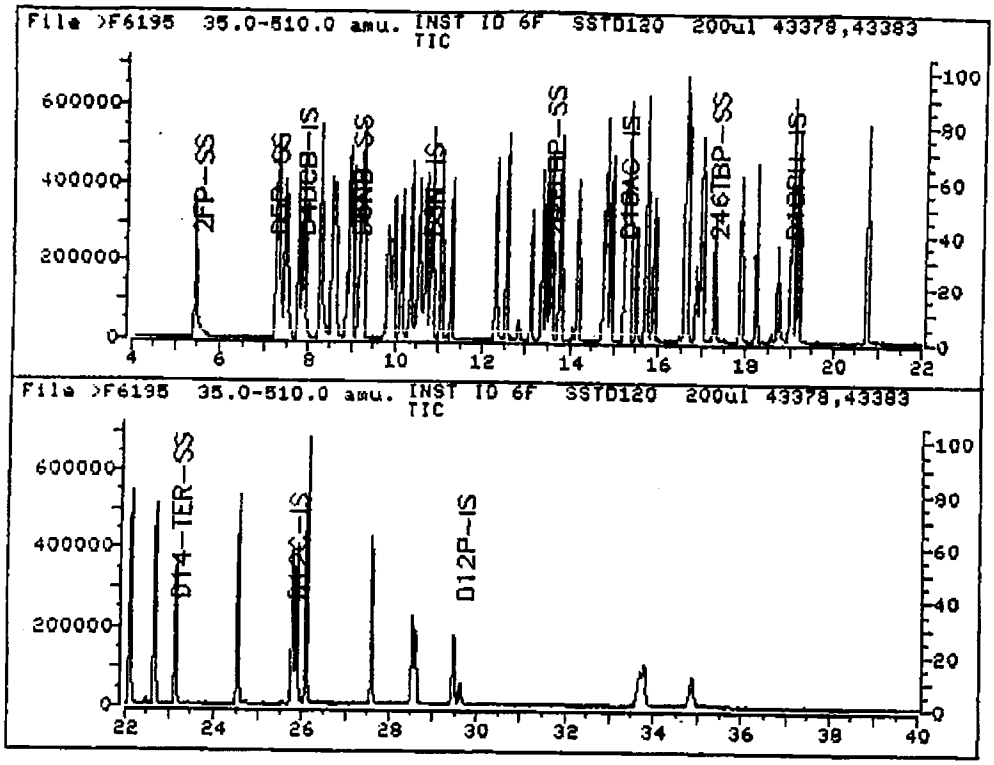
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890915 05:24
Output File: ^F6195::QT Injected at: 890915 04:41
Data File: >F6195::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383 IS/SS=40ng 8ul 43376 BTL# 2

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.87	152.0	63116	40.00	ng	87
2)	PHENOL	7.33	94.0	351864	100.08	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.47	93.0	324543	87.36	ng	79
4)	2-CHLOROPHENOL	7.49	128.0	275797	107.60	ng	83
5)	1,3-DICHLOROBENZENE	7.79	146.0	299483	109.09	ng	92
6)	1,4-DICHLOROBENZENE	7.91	146.0	297581	103.22	ng	90
7)	BENZYL ALCOHOL	8.29	108.0	176450	96.79	ng	87
8)	1,2-DICHLOROBENZENE	8.31	146.0	248951	92.06	ng	91
9)	2-METHYLPHENOL	8.56	108.0	264890	112.59	ng	96
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.62	45.0	764750	89.42	ng	100
11)	4-METHYLPHENOL	8.95	108.0	240345M	101.33	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.06	70.0	284368	98.54	ng	45
13)	HEXACHLOROETHANE	8.98	117.0	109529	79.10	ng	81
14)	2-FLUOROPHENOL (SS)	5.45	112.0	203258	102.72	ng	77
15)	PHENOL-d5 (SS)	7.29	99.0	317901	93.26	ng	83
16)	*NAPHTHALENE-d8 (IS)	10.81	136.0	274571	40.00	ng	100
17)	NITROBENZENE	9.29	77.0	615420	81.12	ng	69
18)	ISOPHORONE	9.85	82.0	755263	100.20	ng	87
19)	2-NITROPHENOL	9.98	139.0	215391	118.95	ng	78
20)	2,4-DIMETHYLPHENOL	10.16	107.0	281927	105.53	ng	92
21)	BENZOIC ACID	10.62	122.0	146760M	135.15	ng	67
22)	BIS(-2-CHLOROETHOXY)METHANE	10.39	93.0	418310	100.68	ng	82
23)	2,4-DICHLOROPHENOL	10.56	162.0	219562	112.81	ng	93
24)	1,2,4-TRICHLOROBENZENE	10.73	180.0	254875	113.31	ng	93
25)	NAPHTHALENE	10.87	128.0	677989	97.45	ng	100
26)	4-CHLOROANILINE	11.10	127.0	350046	100.79	ng	93
27)	HEXACHLOROBUTADIENE	11.33	225.0	129770	114.34	ng	79
28)	4-CHLORO-3-METHYLPHENOL	12.33	107.0	241957	94.44	ng	100
29)	2-METHYLNAPHTHALENE	12.58	142.0	435935	97.26	ng	96
30)	NITROBENZENE-d5 (SS)	9.20	82.0	334563	92.27	ng	88
31)	*ACENAPHTHENE-d10 (IS)	15.24	164.0	150224	40.00	ng	89
32)	HEXACHLOROCYCLOPENTADIENE	13.15	237.0	123725	86.36	ng	93
33)	2,4,6-TRICHLOROPHENOL	13.38	196.0	157314	104.03	ng	97
34)	2,4,5-TRICHLOROPHENOL	13.48	196.0	182919	116.23	ng	99
35)	2-CHLORONAPHTHALENE	13.80	162.0	481910	99.85	ng	99
36)	2-NITROANILINE	14.21	65.0	299077	96.34	ng	65
37)	DIMETHYL PHTHALATE	14.78	163.0	616459	99.56	ng	60
38)	ACENAPHTHYLENE	14.86	152.0	714624	84.98	ng	83
39)	3-NITROANILINE	15.28	138.0	161521	102.41	ng	58
40)	ACENAPHTHENE	15.36	153.0	499048	91.79	ng	85
41)	2,4-DINITROPHENOL	15.53	184.0	98630	114.64	ng	100
42)	4-NITROPHENOL	15.76	109.0	38179	61.16	ng	39
43)	DIBENZOFURAN	15.76	168.0	621650	82.39	ng	77

44)	2,4-DINITROTOLUENE	15.93	165.0	230100	104.99	ng	76
45)	2,6-DINITROTOLUENE	14.96	165.0	184995	100.63	ng	80
46)	DIETHYLPHTHALATE	16.61	149.0	488055	76.01	ng	96
47)	4-CHLOROPHENYL-PHENYLETHER	16.68	204.0	243917	87.75	ng	100
48)	FLUORENE	16.64	166.0	381431	67.98	ng	99
49)	4-NITROANILINE	16.89	138.0	138888	116.74	ng	93
50)	2-FLUOROBIPHENYL (SS)	13.59	172.0	495805	93.11	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.28	330.0	103625	123.56	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.00	188.0	244574	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.97	198.0	117730	119.54	ng	100
54)	N-NITROSODIPHENYLAMINE	17.01	169.0	350505	96.73	ng	91
55)	4-BROMOPHENYL-PHENYLETHER	17.89	248.0	152708	97.28	ng	90
56)	HEXACHLOROBENZENE	18.25	284.0	181835	98.83	ng	100
57)	PENTACHLOROPHENOL	18.71	266.0	96150	130.42	ng	100
58)	PHENANTHRENE	19.08	178.0	727725	98.12	ng	83
59)	ANTHRACENE	19.19	178.0	729502	108.09	ng	85
60)	DI-N-BUTYLPHTHALATE	20.75	149.0	779860	74.21	ng	100
61)	FLUORANTHENE	22.13	202.0	635221	95.42	ng	95
62)	*CHRYSENE-d12 (IS)	25.81	240.0	96209	40.00	ng	100
63)	PYRENE	22.70	202.0	589252	134.82	ng	95
64)	BUTYLBENZYLPHTHALATE	24.56	149.0	317554	127.53	ng	77
65)	3,3'-DICHLOROBENZIDINE	25.77	252.0	51480	94.47	ng	100
66)	BENZO(a)ANTHRACENE	25.77	228.0	356239	106.09	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.11	149.0	371481	104.43	ng	94
68)	CHRYSENE	25.90	228.0	334490	102.92	ng	90
69)	TERPHENYL-d14 (SS)	23.16	244.0	356623	140.01	ng	100
70)	*PERYLENE-d12 (IS)	29.65	264.0	51047	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.59	149.0	517820	121.89	ng	100
72)	BENZO(b)FLUORANTHENE	28.54	252.0	296612	117.26	ng	100
73)	BENZO(k)FLUORANTHENE	28.60	252.0	151035	95.26	ng	100
74)	BENZO(a)PYRENE	29.48	252.0	217702	108.63	ng	98
75)	INDENO(1,2,3-cd)PYRENE.	33.69	276.0	205834	161.64	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.79	278.0	170118	135.96	ng	100
77)	BENZO(g,h,i)PERYLENE	34.88	276.0	157332	146.66	ng	100

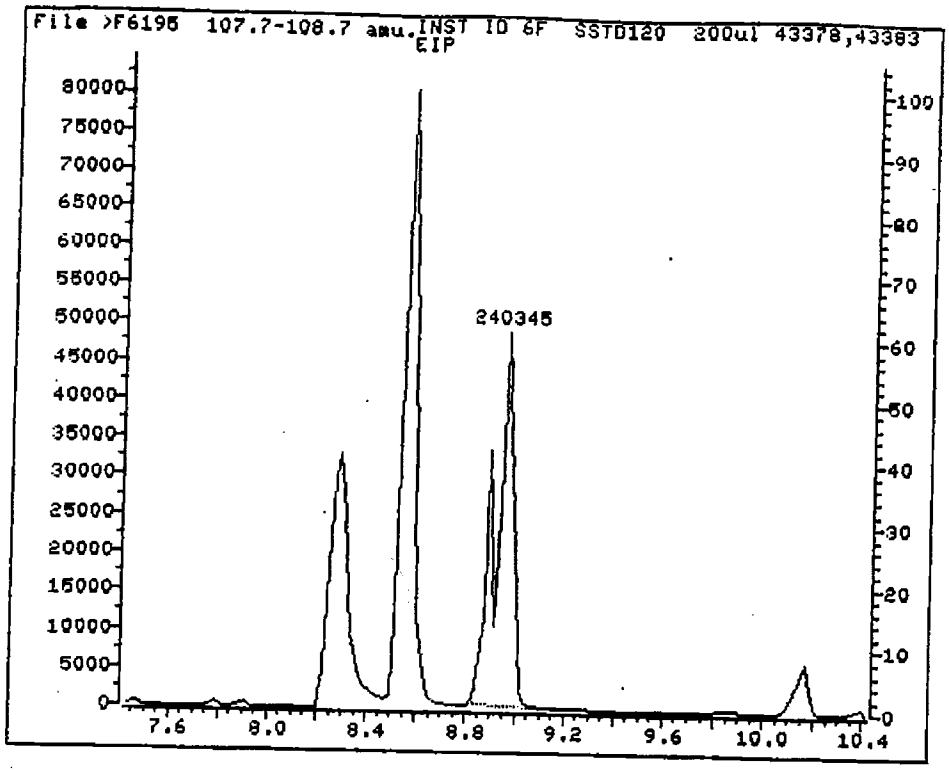
* Compound is ISTD



MS data file header from : >F6195

Sample: INST ID 6F SSTD120 Operator: TERMINAL62MS 9/15/89 4:41
Misc : 200ul 43378,43383 IS/SS=40ng 8ul 43376 BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



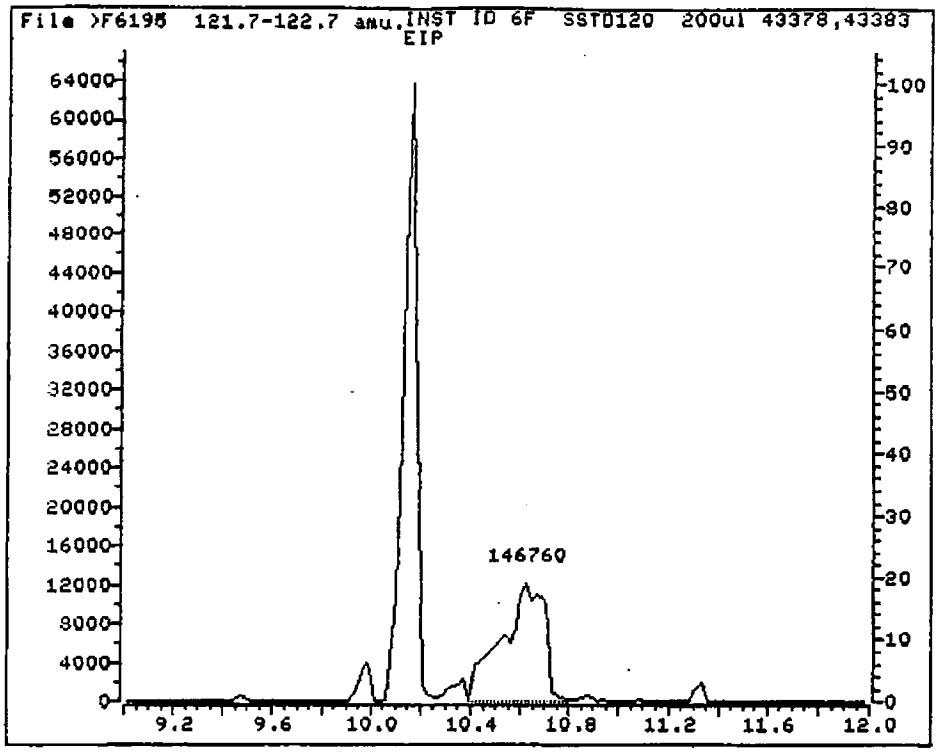
Data File: >F6195::D9
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383
Quant Time: 890915 05:24
Injected at: 890915 04:41

Quant Output File: ^F6195::QT

IS/SS=40ng 8ul 43376 8TL# 2
Quant ID File: CLPID6::D7
Last Calibration: 890914 18:51

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 233
Retention Time: 8.95 min.
Quant Ion: 108.0
Area: 240345M
Concentration: 101.33 ng
q-value: 96

This report was produced by QAREA on: 890915 06:30



Data File: >F6195::09 Quant Output File: ^F6195::QT
Name: INST ID 6F SSTD120
Misc: 200ul 43378,43383 IS/SS=40ng 8ul 43376 BTL# 2
Quant Time: 890915 05:24 Quant ID File: CLPID6::D7
Injected at: 890915 04:41 Last Calibration: 890914 18:51

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 313
Retention Time: 10.62 min.
Quant Ion: 122.0
Area: 146760M
Concentration: 135.15 ng
q-value: 67

This report was produced by QAREA on: 890915 06:32

QUANT REPORT

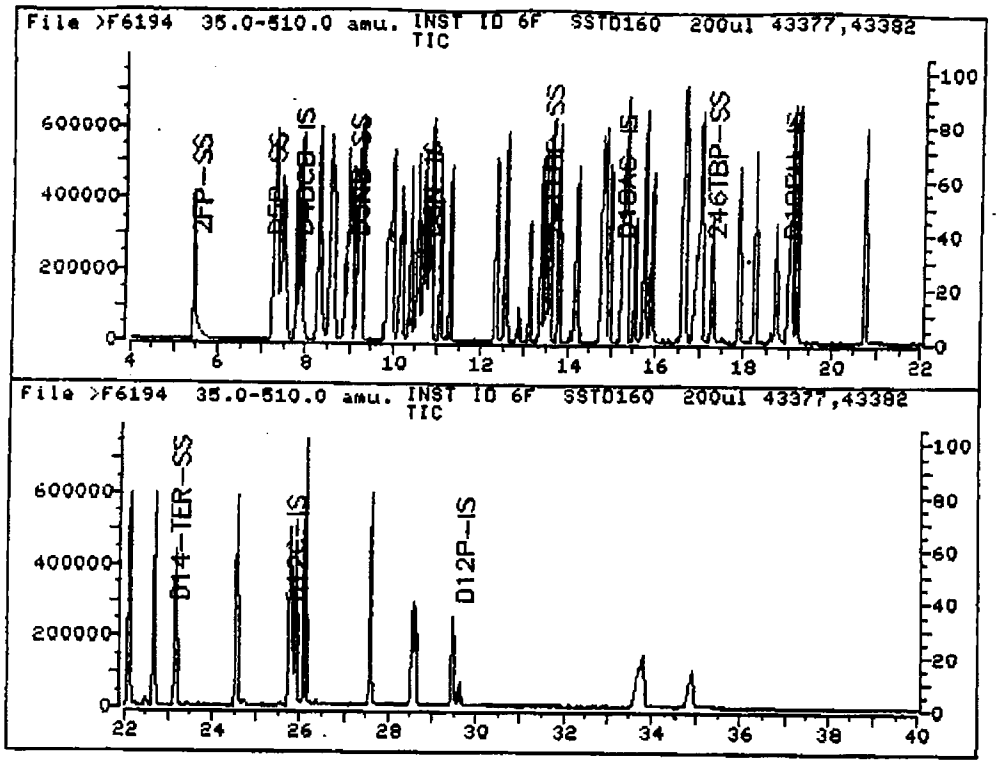
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890915 04:17
Output File: ^F6194::QT Injected at: 890915 03:34
Data File: >F6194::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS/SS=40ng 8ul 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890914 18:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.86	152.0	63413	40.00	ng	90
2)	PHENOL	7.35	94.0	459721	130.14	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.48	93.0	434783	116.48	ng	82
4)	2-CHLOROPHENOL	7.50	128.0	296525	115.15	ng	91
5)	1,3-DICHLOROBENZENE	7.79	146.0	389532	141.22	ng	93
6)	1,4-DICHLOROBENZENE	7.92	146.0	377197	130.22	ng	92
7)	BENZYL ALCOHOL	8.34	108.0	236712M	129.24	ng	86
8)	1,2-DICHLOROBENZENE	8.31	146.0	304456	112.06	ng	92
9)	2-METHYLPHENOL	8.59	108.0	324976	137.48	ng	91
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.63	45.0	981282	114.21	ng	100
11)	4-METHYLPHENOL	8.92	108.0	346299M	145.32	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	9.09	70.0	329006	113.47	ng	46
13)	HEXACHLOROETHANE	8.98	117.0	139150	100.02	ng	80
14)	2-FLUOROPHENOL (SS)	5.46	112.0	335651	168.84	ng	77
15)	PHENOL-d5 (SS)	7.31	99.0	404979	118.24	ng	77
16)	*NAPHTHALENE-d8 (IS)	10.82	136.0	277751	40.00	ng	100
17)	NITROBENZENE	9.32	77.0	843599	109.92	ng	65
18)	ISOPHORONE	9.88	82.0	968955	127.08	ng	87
19)	2-NITROPHENOL	10.00	139.0	294428	160.74	ng	79
20)	2,4-DIMETHYLPHENOL	10.19	107.0	401874	148.70	ng	93
21)	BENZOIC ACID	10.80	122.0	219250M	199.60	ng	56
22)	BIS(-2-CHLOROETHOXY)METHANE	10.42	93.0	604977	143.95	ng	79
23)	2,4-DICHLOROPHENOL	10.59	162.0	298056	151.39	ng	95
24)	1,2,4-TRICHLOROBENZENE	10.73	180.0	334184	146.87	ng	96
25)	NAPHTHALENE	10.90	128.0	891521	126.68	ng	100
26)	4-CHLOROANILINE	11.11	127.0	437053	124.40	ng	96
27)	HEXACHLOROBUTADIENE	11.34	225.0	175671	153.02	ng	84
28)	4-CHLORO-3-METHYLPHENOL	12.34	107.0	385833	148.88	ng	100
29)	2-METHYLNAPHTHALENE	12.59	142.0	539242	118.93	ng	94
30)	NITROBENZENE-d5 (SS)	9.23	82.0	432503	117.92	ng	88
31)	*ACENAPHTHENE-d10 (IS)	15.24	164.0	153255	40.00	ng	90
32)	HEXACHLOROCYCLOPENTADIENE	13.14	237.0	155338	106.29	ng	89
33)	2,4,6-TRICHLOROPHENOL	13.39	196.0	237366	153.87	ng	98
34)	2,4,5-TRICHLOROPHENOL	13.49	196.0	209086	130.23	ng	96
35)	2-CHLORONAPHTHALENE	13.82	162.0	672386	136.55	ng	94
36)	2-NITROANILINE	14.22	65.0	369049	116.53	ng	65
37)	DIMETHYL PHTHALATE	14.81	163.0	831514	131.64	ng	65
38)	ACENAPHTHYLENE	14.87	152.0	932133	108.66	ng	81
39)	3-NITROANILINE	15.31	138.0	211182	131.25	ng	53
40)	ACENAPHTHENE	15.37	153.0	593173	106.94	ng	82
41)	2,4-DINITROPHENOL	15.54	184.0	142243	162.07	ng	100
42)	4-NITROPHENOL	15.79	109.0	56885	89.33	ng	60
43)	DIBENZOFURAN	15.77	168.0	805683	104.67	ng	78

44)	2,4-DINITROTOLUENE	15.96	165.0	316452	141.54	ng	76
45)	2,6-DINITROTOLUENE	14.97	165.0	224408	119.65	ng	78
46)	DIETHYLPHTHALATE	16.62	149.0	562685	85.90	ng	95
47)	4-CHLOROPHENYL-PHENYLETHER	16.69	204.0	282753	99.70	ng	100
48)	FLUORENE	16.64	166.0	442310	77.27	ng	97
49)	4-NITROANILINE	16.94	138.0	200710	165.37	ng	91
50)	2-FLUOROBIPHENYL (SS)	13.62	172.0	658564	121.23	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.29	330.0	136400	159.42	ng	100
52)	*PHENANTHRENE-d10 (IS)	19.01	188.0	255400	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	17.00	198.0	153162	148.92	ng	100
54)	N-NITROSODIPHENYLAMINE	17.04	169.0	488908	129.21	ng	87
55)	4-BROMOPHENYL-PHENYLETHER	17.90	248.0	197168	120.28	ng	89
56)	HEXACHLOROBENZENE	18.26	284.0	237629	123.68	ng	100
57)	PENTACHLOROPHENOL	18.72	266.0	147592	191.70	ng	100
58)	PHENANTHRENE	19.09	178.0	878396	113.42	ng	80
59)	ANTHRACENE	19.22	178.0	900625	127.79	ng	77
60)	DI-N-BUTYLPHTHALATE	20.77	149.0	992959	90.48	ng	100
61)	FLUORANTHENE	22.15	202.0	824654	118.63	ng	97
62)	*CHRYSENE-d12 (IS)	25.83	240.0	109012	40.00	ng	100
63)	PYRENE	22.71	202.0	837616	169.13	ng	99
64)	BUTYLBENZYLPHTHALATE	24.55	149.0	479199	169.84	ng	76
65)	3,3'-DICHLOROBENZIDINE	25.79	252.0	69767	112.99	ng	100
66)	BENZO(a)ANTHRACENE	25.79	228.0	456035	119.86	ng	85
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.10	149.0	487142	120.86	ng	92
68)	CHRYSENE	25.91	228.0	477164	129.57	ng	90
69)	TERPHENYL-d14 (SS)	23.17	244.0	477268	165.37	ng	100
70)	*PERYLENE-d12 (IS)	29.64	264.0	55501	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.61	149.0	659803	142.85	ng	100
72)	BENZO(b)FLUORANTHENE	28.55	252.0	395172	143.68	ng	100
73)	BENZO(k)FLUORANTHENE	28.62	252.0	248027	143.88	ng	100
74)	BENZO(a)PYRENE	29.50	252.0	311063	142.76	ng	98
75)	INDENO(1,2,3-cd)PYRENE	33.73	276.0	260453	188.12	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.81	278.0	247238	181.73	ng	100
77)	BENZO(g,h,i)PERYLENE	34.90	276.0	223366	191.50	ng	100

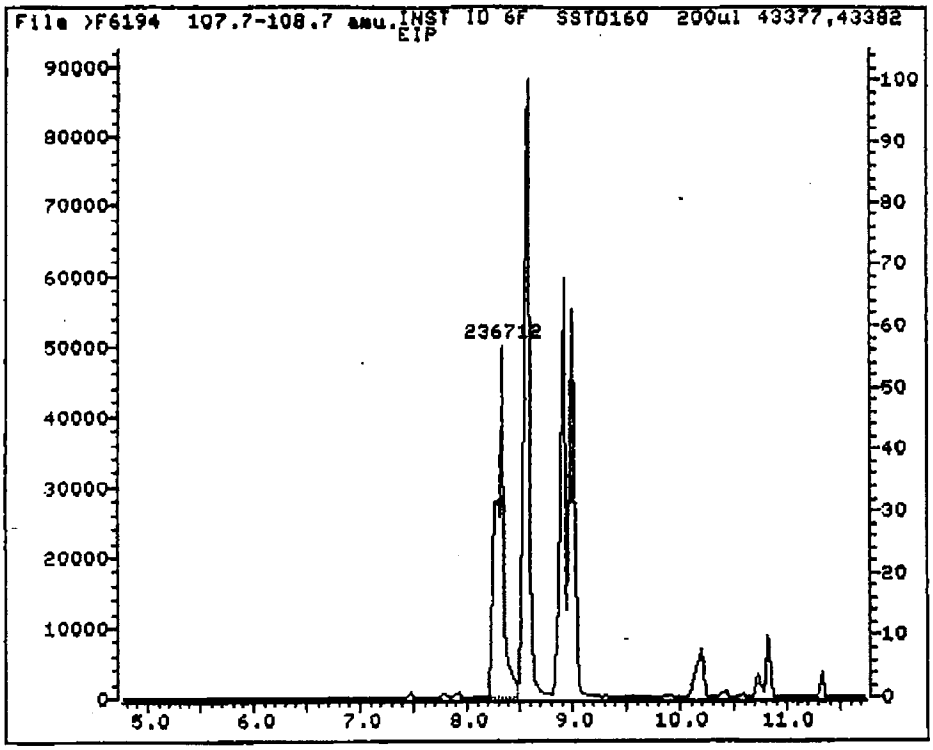
* Compound is ISTD



MS data file header from : >F6194

Sample: INST ID 6F SSTD160 Operator: TERMINAL62MS 9/15/89 3:34
Misc : 200ul 43377,43382 IS/SS=40ng 8ul 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

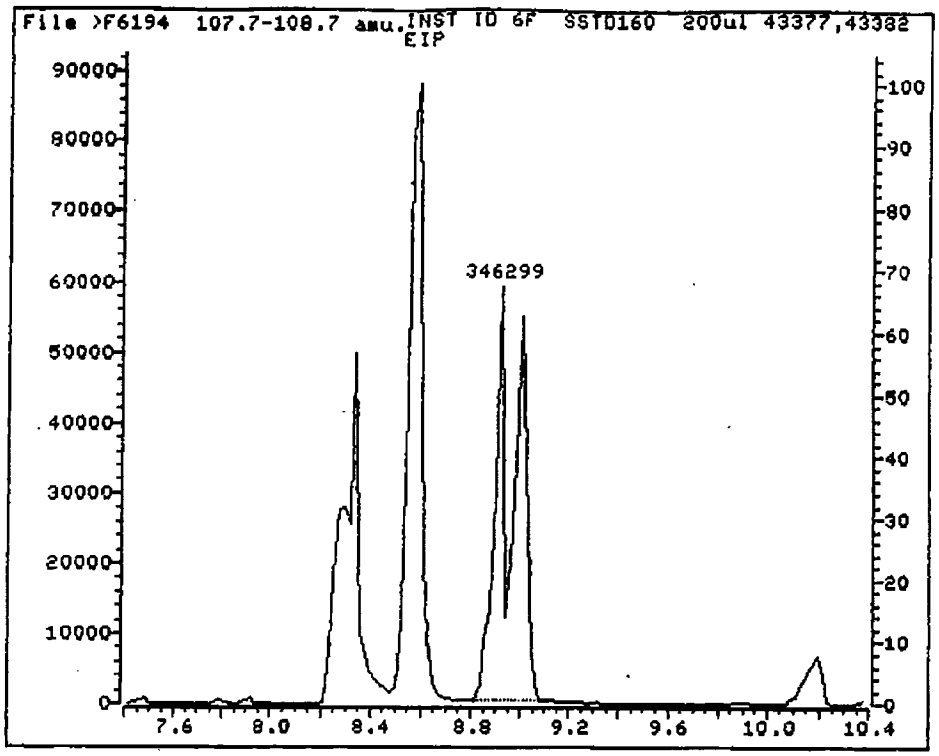
Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6194::D9 Quant Output File: ^F6194::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS/SS=40ng 8ul 43376 BTL# 1
Quant Time: 890915 04:17 Quant ID File: CLPID6::D7
Injected at: 890915 03:34 Last Calibration: 890914 18:51

Compound No: 7
Compound Name: BENZYL ALCOHOL
Scan Number: 205
Retention Time: 8.34 min.
Quant Ion: 108.0
Area: 236712M
Concentration: 129.24 ng
q-value: 86

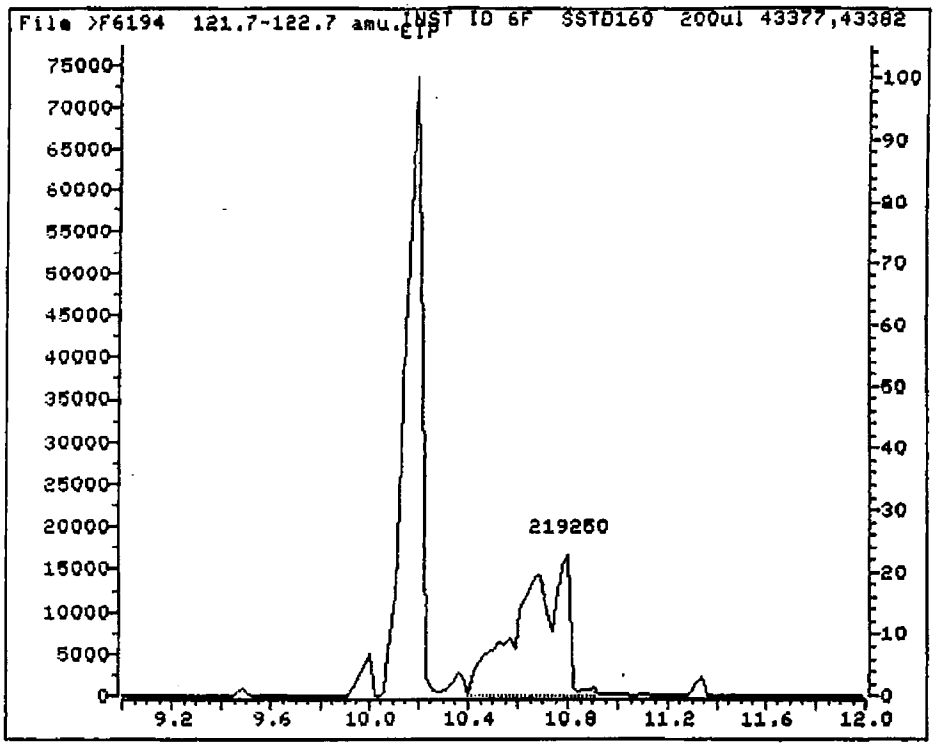
This report was produced by QAREA on: 890915 06:15



Data File: >F6194::D9 Quant Output File: ^F6194::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS/SS=40ng 8ul 43376 BTL# 1
Quant Time: 890915 04:17 Quant ID File: CLPID6::D7
Injected at: 890915 03:34 Last Calibration: 890914 18:51

Compound No: 11
Compound Name: 4-METHYLPHENOL
Scan Number: 233
Retention Time: 8.92 min.
Quant Ion: 108.0
Area: 346299M
Concentration: 145.32 ng
q-value: 96

This report was produced by QAREA on: 890915 06:18



Data File: >F6194::D9 Quant Output File: ^F6194::QT
Name: INST ID 6F SSTD160
Misc: 200ul 43377,43382 IS/SS=40ng 8ul 43376 BTL# 1
Quant Time: 890915 04:17 Quant ID File: CLPID6::D7
Injected at: 890915 03:34 Last Calibration: 890914 18:51

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 323
Retention Time: 10.80 min.
Quant Ion: 122.0
Area: 219250M
Concentration: 199.60 ng
q-value: 56

This report was produced by QAREA on: 890915 06:22

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	55.24	55.24	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.25	65.25	Ok
70	Less than 2% of mass 69	.31	.47	Ok
127	40-60% of mass 198	41.70	41.70	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	7.00	7.00	Ok
275	10-30% of mass 198	17.53	17.53	Ok
365	Greater than 1% of mass 198	1.63	1.63	Ok
441	0-100% of mass 443	10.61	87.23	Ok
442	Greater than 40% of mass 198	63.31	63.31	Ok
443	17-23% of mass 442	12.16	19.21	Ok

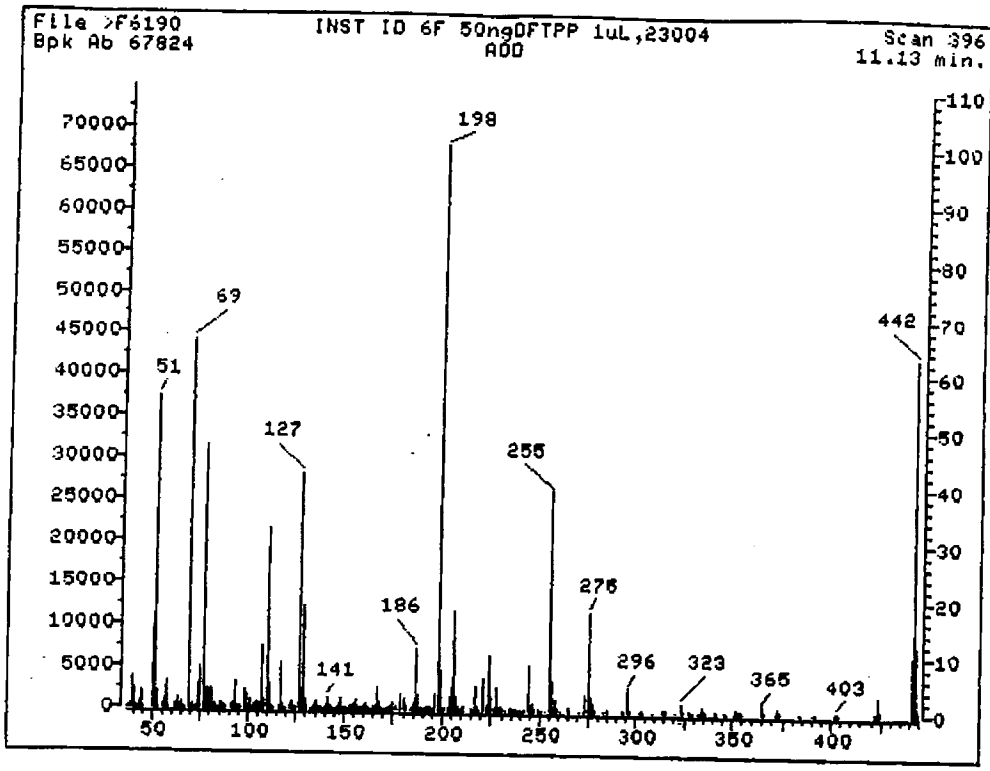
Injection Date: 09/15/89
Injection Time: 00:13
Data File: >F6190
Scan: 396+395
9/15/89

>F6190 INST ID 6F 50ngDFTPP 1uL,23004
396+395 ADD.NRM
MM 9/15/89

File: >F6190 Scan #: 396 Retn. time: 11.13

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.00	.038	100.05	.292	157.05	.436	210.35	.203	293.10	.298
37.10	.290	100.95	1.679	157.95	.386	210.95	.720	293.90	.056
38.10	.835	102.15	.049	159.05	.302	215.05	.218	296.00	4.336
39.00	5.404	102.95	.759	159.95	.663	216.15	.183	296.90	.531
40.00	3.319	103.95	1.054	160.95	.938	216.95	4.370	302.20	.090
41.00	.490	104.95	1.042	161.75	.233	217.95	.607	303.10	.516
42.00	.158	106.95	11.138	162.05	.128	219.15	.038	304.10	.142
43.10	.929	107.95	1.865	162.95	.096	221.05	5.589	309.00	.063
44.00	3.028	109.95	31.843	164.05	.144	223.05	.985	314.00	.214
45.00	.192	110.95	4.376	164.95	.728	224.00	9.902	315.00	.510
50.00	14.371	112.05	.466	166.05	.606	225.00	2.217	316.10	.280
51.00	55.239	112.85	.178	166.95	3.953	226.10	.336	321.00	.087
52.10	2.972	116.15	.274	167.95	1.318	227.00	3.932	323.10	1.743
53.00	.038	116.95	8.015	169.05	.288	228.00	.522	324.00	.318
55.00	.619	117.95	.624	170.05	.136	229.00	.662	327.00	.276
56.00	1.716	119.05	.111	170.95	.168	230.00	.115	327.90	.116
57.00	4.705	120.05	.139	171.05	.052	230.90	.289	329.00	.040
58.00	.086	121.95	.811	171.95	.349	232.00	.058	331.90	.115
61.00	.799	122.95	1.215	173.05	.453	232.80	.050	333.20	.171
62.10	.662	123.95	.510	174.05	.833	233.90	.223	334.10	1.028
63.00	1.812	124.95	.464	175.05	1.295	235.00	.254	335.10	.236
64.10	.217	126.95	41.705	176.05	.507	235.90	.093	336.00	.028
65.00	.920	128.05	3.434	176.95	.818	237.00	.290	341.10	.209
66.00	.049	128.95	18.039	178.05	.333	238.00	.025	342.10	.077
67.30	.063	129.95	1.557	178.95	2.739	238.90	.068	346.00	.279
69.00	65.250	130.95	.262	180.05	1.954	240.00	.155	347.00	.063
70.10	.305	132.05	.187	181.05	.851	240.80	.060	350.90	.025
71.10	.593	132.75	.028	181.85	.106	241.10	.103	352.10	.560
72.10	.032	133.25	.025	182.95	.147	242.00	.501	353.00	.374
73.00	.354	133.95	.563	183.95	.229	244.00	8.211	354.10	.523
74.00	4.255	135.05	1.536	185.05	1.323	245.10	1.100	355.00	.112
75.00	7.379	135.95	.507	186.05	10.914	246.00	1.272	365.00	1.629
77.05	46.298	136.95	.520	187.05	2.856	247.00	.243	366.00	.257
77.95	3.335	137.65	.165	188.05	.286	249.00	.305	371.10	.146
78.95	3.370	137.95	.087	189.05	.523	250.00	.029	372.10	.954
79.95	2.473	138.85	.069	189.85	.097	250.90	.038	372.95	.220
80.95	3.496	140.05	.273	190.05	.041	253.00	.137	383.05	.122
81.95	.840	140.25	.055	191.05	.295	255.00	38.967	384.05	.046

82.95	.846	140.95	2.058	191.95	.873	256.00	5.317	389.95	.136		
83.75	.038	141.95	.674	193.05	.824	257.00	.425	390.95	.046		
84.05	.080	142.95	.456	194.05	.226	258.00	2.117	391.15	.050		
85.05	.917	143.05	.152	195.05	.065	259.00	.366	391.95	.044		
85.95	.731	144.05	.105	196.05	2.891	261.00	.038	401.95	.382		
86.95	.405	144.85	.060	197.95	100.000	265.00	.736	403.05	.519		
88.05	.202	145.95	.410	198.95	6.999	265.90	.131	404.05	.187		
88.85	.050	146.95	1.081	200.05	.445	270.80	.059	421.05	.433		
90.95	.874	147.95	2.013	201.45	.494	272.10	.075	422.15	.532		
92.05	.892	148.95	.479	203.05	.484	273.10	1.134	422.95	3.304		
92.95	4.644	150.15	.074	204.05	2.417	274.00	3.080	423.95	.649		
93.95	.286	151.45	.293	205.05	4.205	275.00	17.531	441.15	10.608		
95.05	.058	152.05	.175	206.05	17.349	276.00	2.565	442.05	63.309		
95.35	.022	152.95	.622	207.05	2.310	277.00	1.438	443.05	12.161		
96.05	.258	153.95	.625	207.95	.582	278.00	.248	444.05	1.091		
97.95	3.435	155.05	1.113	208.95	.124	283.20	.146	445.05	.080		
98.95	2.790	155.95	1.595	210.15	.397	285.00	.254				



MS data file header from : >F6190

Sample: INST ID 6F 50ngDFTPP Operator: TERMINAL62MS 9/15/89 0:13
Misc : 1uL,23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MT8NA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890915 07:22

Check Standard Data File:)F6193
Injection Time: 890915 02:39

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
PHENOL	1.91652	1.97006	2.79	Average✓
BIS(-2-CHLOROETHYL)ETHER	1.84333	2.13401	15.77	Average
2-CHLOROPHENOL	1.43814	1.56070	8.52	Average
1,3-DICHLOROBENZENE	1.60457	1.70868	6.49	Average
1,4-DICHLOROBENZENE	1.53827	1.47324	4.23	Average✓
BENZYL ALCOHOL	.95423	1.10060	15.34	Average
1,2-DICHLOROBENZENE	1.47422	1.69580	15.03	Average
2-METHYLPHENOL	1.43300	1.55231	8.33	Average
BIS(2-CHLOROISOPROPYL)ETHER	4.17652	4.65075	11.35	Average
4-METHYLPHENOL	1.41407	1.46427	3.49	Average
N-NITROSO-DI-n-PROPYLAMINE	1.47915	1.54261✓	4.29	Average
HEXACHLOROETHANE	.65805	.73640	11.91	Average
2-FLUOROPHENOL (SS)	1.22440	1.10799	9.51	Average
PHENOL-d5 (SS)	1.75744	1.87429	6.65	Average
NITROBENZENE	.88966	1.03172	15.97	Average
ISOPHORONE	.95982	1.04982	9.38	Average
2-NITROPHENOL	.27322	.25821	5.49	Average✓
2,4-DIMETHYLPHENOL	.37147	.38532	3.73	Average
BENZOIC ACID	.17654	.16771	5.00	Average
BIS(-2-CHLOROETHOXY)METHANE	.56615	.57620	1.77	Average
2,4-DICHLOROPHENOL	.28417	.27662	2.65	Average✓
1,2,4-TRICHLOROBENZENE	.33969	.36760	8.22	Average
NAPHTHALENE	.95639	1.00971	5.57	Average
4-CHLOROANILINE	.44173	.45703	3.46	Average
HEXACHLOROBUTADIENE	.16373	.16190	1.12	Average✓
4-CHLORO-3-METHYLPHENOL	.35341	.38001	7.53	Average✓
2-METHYLNAPHTHALENE	.59804	.67999	13.70	Average
NITROBENZENE-d5 (SS)	.44191	.49509	11.20	Average
HEXACHLOROCYCLOPENTADIENE	.26097	.27470✓	5.26	Average
2,4,6-TRICHLOROPHENOL	.38182	.40197	5.28	Average✓
2,4,5-TRICHLOROPHENOL	.39367	.38514	2.09	Average
2-CHLORONAPHTHALENE	1.19589	1.25309	4.78	Average
2-NITROANILINE	.68606	.73361	6.93	Average
DIMETHYL PHTHALATE	1.48930	1.50870	1.30	Average
ACENAPHTHYLENE	1.87913	2.09528	11.50	Average
3-NITROANILINE	.31219	.20536	34.22	Average
ACENAPHTHENE	1.18001	1.23780	4.90	Average✓
2,4-DINITROPHENOL	.19666	.15309✓	22.16	Average
4-NITROPHENOL	.09397	.10243✓	9.00	Average
DIBENZOFURAN	1.58206	1.81222	14.55	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890915 07:22

Check Standard Data File: >F6193
Injection Time: 890915 02:39

Compound	$\overline{RF}$	RF	%Diff	Calib Meth
2,4-DINITROTOLUENE	.52197	.51492	1.35	Average
2,6-DINITROTOLUENE	.41842	.46703	11.81	Average
DIETHYLPHTHALATE	1.42810	1.69335	18.57	Average
4-CHLOROPHENYL-PHENYLETHER	.58070	.69327	19.39	Average
FLUORENE	1.09318	1.43013	30.82	Average
4-NITROANILINE	.24618	.16215	34.13	Average
2-FLUOROBIPHENYL (SS)	1.19610	1.23305	3.09	Average
2,4,6-TRIBROMOPHENOL (SS)	.22196	.24007	8.16	Average
4,6-DINITRO-2-METHYLPHENOL	.15342	.15429	.56	Average
N-NITROSODIPHENYLAMINE	.55653	.67318	20.96	Average✓
4-BROMOPHENYL-PHENYLETHER	.23451	.27162	15.82	Average
HEXACHLOROBENZENE	.28504	.33684	18.17	Average
PENTACHLOROPHENOL	.12880	.12091	6.13	Average✓
PHENANTHRENE	1.07192	1.28143	19.55	Average
ANTHRACENE	1.06764	1.19615	12.04	Average
DI-N-BUTYLPHTHALATE	1.44136	1.78212	23.64	Average
FLUORANTHENE	.95474	1.10160	15.38	Average✓
PYRENE	2.35069	2.77719	18.14	Average
BUTYLBENZYLPHTHALATE	1.19097	1.40588	18.04	Average
3,3'-DICHLOROBENZIDINE	.16378	.15641	4.50	Average
BENZO(a)ANTHRACENE	1.25196	1.46305	16.86	Average
BIS(2-ETHYLHEXYL)PHTHALATE	1.35872	1.78957	31.71	Average
CHRYSENE	1.23809	1.40496	13.48	Average
TERPHENYL-d14 (SS)	1.29750	1.48297	14.30	Average
DI-N-OCTYL PHTHALATE	3.23598	3.81475	17.89	Average✓
BENZO(b)FLUORANTHENE	1.84385	1.97407	7.06	Average
BENZO(k)FLUORANTHENE	1.12236	1.16055	3.40	Average
BENZO(a)PYRENE	1.44268	1.49684	3.75	Average✓
INDENO(1,2,3-cd)PYRENE	1.19826	1.18715	.93	Average
DIBENZO(a,h)ANTHRACENE	1.07480	1.12948	5.09	Average
BENZO(g,h,i)PERYLENE	1.02371	1.07519	5.03	Average

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

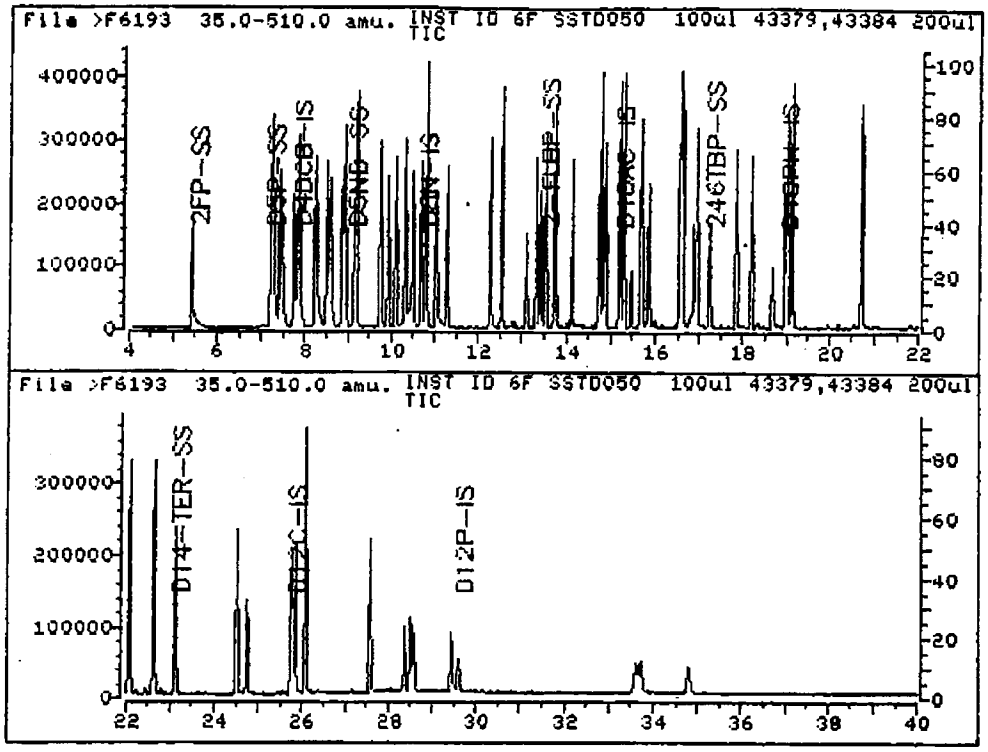
Operator ID: TERMINAL62 Quant Rev: 6 Quant Time: 890915 07:58
Output File: ^F6193::QT Injected at: 890915 02:39
Data File: >F6193::D9 Dilution Factor: 1.00000
Name: INST ID 6F SSTD050
Misc: 100ul 43379,43384 200ul MeCl2 IS=40ng 43376 BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.83	152.0	63732	40.00	ng	86
2)	PHENOL	7.24	94.0	156945	50.00	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.41	93.0	170006	50.00	ng	86
4)	2-CHLOROPHENOL	7.45	128.0	124333	50.00	ng	87
5)	1,3-DICHLOROBENZENE	7.74	146.0	136122	50.00	ng	93
6)	1,4-DICHLOROBENZENE	7.87	146.0	117366	50.00	ng	93
7)	BENZYL ALCOHOL	8.22	108.0	87679	50.00	ng	86
8)	1,2-DICHLOROBENZENE	8.26	146.0	135096	50.00	ng	93
9)	2-METHYLPHENOL	8.51	108.0	123665	50.00	ng	94
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.58	45.0	370502	50.00	ng	100
11)	4-METHYLPHENOL	8.89	108.0	116651	50.00	ng	95
12)	N-NITROSO-DI-n-PROPYLAMINE	8.93	70.0	122892	50.00	ng	47
13)	HEXACHLOROETHANE	8.93	117.0	58665	50.00	ng	76
14)	2-FLUOROPHENOL (SS)	5.43	112.0	88268	50.00	ng	50
15)	PHENOL-d5 (SS)	7.22	99.0	149315	50.00	ng	83
16)	*NAPHTHALENE-d8 (IS)	10.79	136.0	260531	40.00	ng	100
17)	NITROBENZENE	9.22	77.0	335994	50.00	ng	54
18)	ISOPHORONE	9.77	82.0	341890	50.00	ng	83
19)	2-NITROPHENOL	9.93	139.0	84089	50.00	ng	70
20)	2,4-DIMETHYLPHENOL	10.10	107.0	125485	50.00	ng	90
21)	BENZOIC ACID	10.50	122.0	54617	50.00	ng	98
22)	BIS(-2-CHLOROETHOXY)METHANE	10.33	93.0	187647	50.00	ng	81
23)	2,4-DICHLOROPHENOL	10.50	162.0	90086	50.00	ng	92
24)	1,2,4-TRICHLOROBENZENE	10.68	180.0	119715	50.00	ng	96
25)	NAPHTHALENE	10.83	128.0	328825	50.00	ng	100
26)	4-CHLOROANILINE	11.04	127.0	148839	50.00	ng	98
27)	HEXACHLOROBUTADIENE	11.29	225.0	52724	50.00	ng	74
28)	4-CHLORO-3-METHYLPHENOL	12.29	107.0	123755	50.00	ng	100
29)	2-METHYLNAPHTHALENE	12.54	142.0	221449	50.00	ng	97
30)	NITROBENZENE-d5 (SS)	9.16	82.0	161232	50.00	ng	84
31)	*ACENAPHTHENE-d10 (IS)	15.21	164.0	136575	40.00	ng	96
32)	HEXACHLOROCYCLOPENTADIENE	13.11	237.0	46897	50.00	ng	94
33)	2,4,6-TRICHLOROPHENOL	13.33	196.0	68623	50.00	ng	97
34)	2,4,5-TRICHLOROPHENOL	13.42	196.0	65801	50.00	ng	95
35)	2-CHLORONAPHTHALENE	13.75	162.0	213926	50.00	ng	97
36)	2-NITROANILINE	14.15	65.0	125241	50.00	ng	63
37)	DIMETHYL PHTHALATE	14.73	163.0	257563	50.00	ng	97
38)	ACENAPHTHYLENE	14.82	152.0	357704	50.00	ng	87
39)	3-NITROANILINE	15.21	138.0	35059	50.00	ng	62
40)	ACENAPHTHENE	15.30	153.0	211316	50.00	ng	80
41)	2,4-DINITROPHENOL	15.44	184.0	26135	50.00	ng	100
42)	4-NITROPHENOL	15.70	109.0	17487	50.00	ng	45
43)	DIBENZOFURAN	15.72	168.0	309380	50.00	ng	78
44)	2,4-DINITROTOLUENE	15.86	165.0	87907	50.00	ng	80

45)	2,6-DINITROTOLUENE	14.90	165.0	79867	50.00	ng	64
46)	DIETHYLPHTHALATE	16.55	149.0	289087	50.00	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.64	204.0	118355	50.00	ng	100
48)	FLUORENE	16.59	166.0	244150	50.00	ng	93
49)	4-NITROANILINE	16.82	138.0	27682	50.00	ng	82
50)	2-FLUOROBIPHENYL (SS)	13.54	172.0	210505	50.00	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.24	330.0	40984	50.00	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.96	188.0	205930	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.89	198.0	39715	50.00	ng	100
54)	N-NITROSODIPHENYLAMINE	16.97	169.0	173284	50.00	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	17.85	248.0	69919	50.00	ng	96
56)	HEXACHLOROBENZENE	18.20	284.0	86707	50.00	ng	100
57)	PENTACHLOROPHENOL	18.66	266.0	31124	50.00	ng	100
58)	PHENANTHRENE	19.02	178.0	329855	50.00	ng	84
59)	ANTHRACENE	19.14	178.0	307905	50.00	ng	82
60)	DI-N-BUTYLPHTHALATE	20.71	149.0	458739	50.00	ng	100
61)	FLUORANTHENE	22.09	202.0	283565	50.00	ng	98
62)	*CHRYSENE-d12 (IS)	25.79	240.0	82525	40.00	ng	100
63)	PYRENE	22.66	202.0	286485	50.00	ng	93
64)	BUTYLBENZYLPHTHALATE	24.52	149.0	145025	50.00	ng	77
65)	3,3'-DICHLOROBENZIDINE	25.75	252.0	16135	50.00	ng	100
66)	BENZO(a)ANTHRACENE	25.75	228.0	150923	50.00	ng	84
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.09	149.0	184605	50.00	ng	96
68)	CHRYSENE	25.86	228.0	144930	50.00	ng	91
69)	TERPHENYL-d14 (SS)	23.14	244.0	152978	50.00	ng	100
70)	*PERYLENE-d12 (IS)	29.61	264.0	46740	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.57	149.0	222877	50.00	ng	100
72)	BENZO(b)FLUORANTHENE	28.50	252.0	115335	50.00	ng	100
73)	BENZO(k)FLUORANTHENE	28.56	252.0	67805	50.00	ng	100
74)	BENZO(a)PYRENE	29.44	252.0	87453	50.00	ng	98
75)	INDENO(1,2,3-cd)PYRENE	33.63	276.0	69359	50.00	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.73	278.0	65990	50.00	ng	100
77)	BENZO(g,h,i)PERYLENE	34.80	276.0	62818	50.00	ng	100

* Compound is ISTD



MS data file header from : >F6193

Sample: INST ID 6F SSTD050 Operator: TERMINAL62MS 9/15/89 2:39
Misc : 100ul 43379,43384 200ul MeCl2 IS=40ng 43376 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

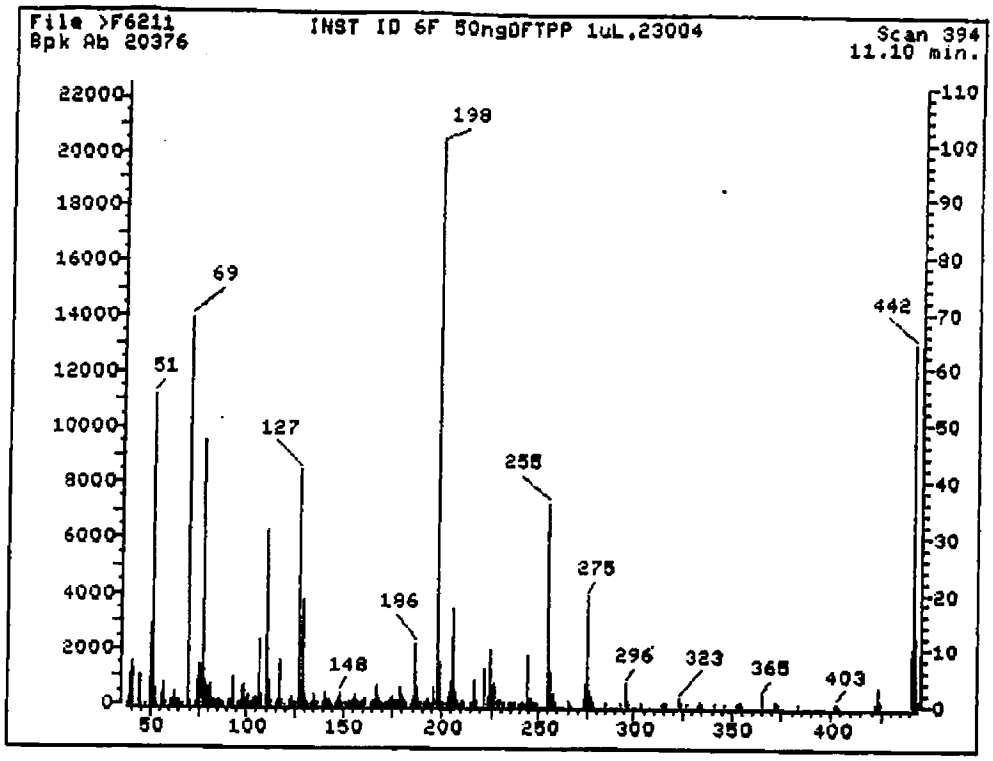
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	54.77	54.77	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	68.60	68.60	Ok
70	Less than 2% of mass 69	.35	.52	Ok
127	40-60% of mass 198	41.64	41.64	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	7.57	7.57	Ok
275	10-30% of mass 198	19.37	19.37	Ok
365	Greater than 1% of mass 198	1.98	1.98	Ok
441	0-100% of mass 443	10.20	83.22	Ok
442	Greater than 40% of mass 198	64.37	64.37	Ok
443	17-23% of mass 442	12.25	19.04	Ok

Injection Date: 09/15/89
Injection Time: 21:30
Data File: >F6211
Scan: 394

>F6211 INST ID GF 50ngDFTPP 1uL,23004
394 NRM

File: >F6211 Scan #: 394 Retn. time: 11.10

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.80	.167	97.95	3.195	151.85	.177	198.95	7.568	265.90	.103
38.10	.903	98.95	3.239	152.15	.172	200.05	.447	273.00	1.036
39.10	5.448	100.05	.260	153.05	.721	201.55	.447	274.10	3.622
40.00	7.445	100.95	1.786	154.05	.496	203.05	.452	275.00	19.371
44.00	5.119	101.95	.152	155.05	1.202	204.05	2.189	276.10	2.503
45.00	.128	103.05	.466	156.05	1.585	205.05	4.054	277.00	1.536
46.90	.157	103.95	.928	157.05	.564	206.05	17.074	277.90	.270
50.10	14.252	104.95	1.212	157.95	.437	207.05	2.523	285.10	.211
51.00	54.765	106.95	11.347	158.95	.299	208.05	.628	293.00	.280
52.00	2.861	107.95	1.713	159.85	.702	210.05	.432	296.00	4.000
53.00	.152	109.95	30.899	160.95	.977	210.25	.422	297.00	.623
56.00	1.875	110.95	4.083	163.95	.162	211.05	.712	303.10	.525
57.00	3.617	112.05	.545	164.95	.731	215.15	.304	314.00	.255
58.10	.329	115.15	.083	166.05	.584	216.15	.442	315.00	.432
61.00	.766	116.05	.829	167.05	3.367	216.95	4.353	316.00	.275
62.00	.702	116.95	7.617	168.05	1.418	217.95	.569	323.10	1.359
63.10	1.953	117.85	.682	168.95	.402	221.05	6.547	324.10	.309
64.10	.245	120.05	.147	170.05	.137	223.05	1.227	327.00	.422
65.00	.859	121.95	.717	171.05	.201	224.00	9.668	333.00	.167
66.10	.083	123.05	1.305	171.95	.378	225.00	2.562	334.00	.815
69.00	68.595	124.05	.530	172.95	.368	226.90	3.862	335.10	.275
70.00	.353	125.05	.481	174.05	.898	227.90	.559	341.00	.206
73.10	.452	126.95	41.637	174.95	1.335	229.00	.864	346.00	.309
74.00	4.594	128.05	3.568	175.95	.633	231.00	.299	352.10	.535
75.00	7.136	128.95	18.394	176.95	.751	234.00	.240	353.10	.456
77.05	46.849	129.95	1.575	178.05	.226	235.00	.216	354.10	.594
78.05	3.642	130.95	.250	178.95	2.900	236.00	.177	355.10	.128
78.95	3.038	131.95	.162	180.05	1.796	237.00	.250	365.00	1.983
79.95	2.518	133.95	.486	181.05	.937	238.80	.133	371.10	.142
80.95	3.465	134.95	1.585	182.05	.245	239.90	.157	372.10	.795
81.95	.682	136.05	.491	184.05	.162	240.90	.245	373.05	.245
83.05	.815	136.95	.540	185.05	1.541	242.00	.383	382.95	.231
83.95	.191	139.95	.206	186.05	10.915	244.00	8.706	402.05	.353
84.95	.555	140.95	1.939	187.05	3.165	245.00	1.119	403.05	.427
86.05	.839	141.95	.721	188.05	.373	246.00	1.148	404.05	.172
87.05	.294	143.05	.550	188.95	.530	246.90	.294	421.05	.520
87.65	.108	144.85	.177	190.95	.363	249.00	.285	422.05	.393
87.95	.108	146.05	.368	192.05	.820	255.00	35.748	423.05	3.244
90.95	.820	147.05	1.090	193.05	.986	256.00	5.056	424.05	.667
92.05	.785	147.95	2.086	193.95	.118	257.00	.378	441.15	10.198
92.95	4.854	149.05	.309	194.85	.191	258.00	2.086	442.05	64.370
95.95	.290	150.95	.250	196.05	3.087	259.00	.447	443.05	12.255
96.95	.137	151.25	.255	197.95	100.000	265.00	.682	443.95	.903



MS data file header from : >F6211

Sample: INST ID 6F 50ngDFTPP Operator: TERMINAL62MS 9/15/89 21:30
Misc : 1uL,23004 BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: DFTPP6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	.1	4.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	20.0	0.0	0.0	.1	0.0

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890918 02:16

Compound	Files:)F6217 RF 20.00	)F6216 RF 50.00	)F6215 RF 80.00	)F6214 RF 120.00	)F6213 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD
PHENOL	2.19290	1.92172	2.06959	1.69432	1.69685	.925	1.91508	11.602✓
BIS(-2-CHLOROETHYL)ETHER	1.91645	1.96292	1.66377	1.53851	1.56356	.944	1.72904	11.486
2-CHLOROPHENOL	1.51774	1.51549	1.52124	1.40313	1.43412	.951	1.47834	3.764
1,3-DICHLOROBENZENE	1.61895	1.60707	1.59736	1.42507	1.40366	.989	1.53042	6.958
1,4-DICHLOROBENZENE	1.68862	1.61804	1.51301	1.48589	1.49955	1.004	1.52102	6.612✓
BENZYL ALCOHOL	.84710	1.01920	.95838	.87707	.87259	1.049	.91487	7.842
1,2-DICHLOROBENZENE	1.62267	1.64770	1.56399	1.34260	1.34768	1.056	1.50493	9.901
2-METHYLPHENOL	1.52114	1.33587	1.37448	1.22987	1.23459	1.087	1.33919	8.934
BIS(2-CHLOROISOPROPYL)ETHER	4.11252	4.07006	4.00464	3.83228	3.84863	1.095	3.97363	3.212
4-METHYLPHENOL	1.62686	1.43644	1.49686	1.33950	1.30669	1.133	1.44127	8.914
N-NITROSO-DI-n-PROPYLAMINE	1.48403	1.44367	1.40251	1.33038	1.08661	1.140	1.34944✓	11.673
HEXACHLOROETHANE	.77259	.75786	.68210	.63638	.59536	1.142	.68886	11.083
2-FLUOROPHENOL (SS)	1.28358	1.13481	1.17360	1.22702	1.27288	.690	1.21038	5.237
PHENOL-d5 (SS)	1.87593	1.79768	1.79519	1.73727	1.71450	.921	1.78411	3.520
NITROBENZENE	.80083	.86064	.87010	.77389	.77369	.854	.81583	5.721
ISOPHORONE	.84244	.86638	.82768	.80778	.76726	.905	.82231	4.558
2-NITROPHENOL	.23326	.24276	.23751	.22349	.22321	.921	.23204	3.716✓
2,4-DIMETHYLPHENOL	.33538	.30827	.32056	.31793	.32398	.936	.33733	8.751
BENZOIC ACID	-	.10423	.13521	.16026	.15227	.974	.13799	17.981
BIS(-2-CHLOROETHOXY)METHANE	.55062	.53470	.49024	.50529	.47238	.958	.51065	6.259
2,4-DICHLOROPHENOL	.25707	.27542	.25392	.25616	.24990	.974	.25849	3.814✓
1,2,4-TRICHLOROBENZENE	.29554	.34099	.29121	.27726	.27246	.992	.29549	9.193
NAPHTHALENE	.96810	.97999	.81790	.80504	.83073	1.005	.88035	9.782
4-CHLOROANILINE	.39694	.46178	.41792	.40750	.39917	1.025	.41666	6.368
HEXACHLOROBUTADIENE	.14448	.16570	.13597	.13074	.13180	1.049	.14174	10.192✓
4-CHLORO-3-METHYLPHENOL	.31422	.32976	.28817	.29161	.30312	1.140	.30538	5.585✓
2-METHYLNAPHTHALENE	.57194	.58571	.49444	.50975	.54717	1.164	.54180	7.229
NITROBENZENE-d5 (SS)	.39276	.45930	.40429	.40759	.41083	.849	.41496	6.196
HEXACHLOROCYCLOPENTADIENE	.25087	.31398	.32786	.32138	.29322	.862	.30146✓	10.328
2,4,6-TRICHLOROPHENOL	.32470	.34580	.34806	.35881	.37831	.876	.35114	5.577✓
2,4,5-TRICHLOROPHENOL	-	.37196	.37777	.36659	.38728	.882	.37590	2.356
2-CHLORONAPHTHALENE	1.10169	1.15818	1.12163	1.05354	1.09854	.904	1.10672	3.438
2-NITROANILINE	-	.61176	.58517	.63877	.68015	.930	.62896	6.445
DIMETHYL PHTHALATE	1.28725	1.28670	1.19862	1.25381	1.18147	.968	1.24157	3.973
ACENAPHTHYLENE	1.78335	1.94678	1.71357	1.78325	1.93185	.974	1.83186	5.585
3-NITROANILINE	-	.31147	.30023	.33170	.37191	1.000	.32883	9.590
ACENAPHTHENE	1.13278	1.24504	1.16162	1.06260	1.06792	1.006	1.13399	6.622✓
2,4-DINITROPHENOL	-	.13263	.17036	.21284	.21007	1.017	.18148✓	20.889
4-NITROPHENOL	-	.10010	.10300	.12038	.11324	1.032	.10918✓	8.569

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Calibrated: 890918 02:16

Compound	Files: >F6217 RF 20.00	>F6216 RF 50.00	>F6215 RF 80.00	>F6214 RF 120.00	>F6213 RF 160.00	$\overline{RRT}$	$\overline{RF}$	% RSD	
DIBENZOFURAN	1.51972	1.57321	1.53221	1.57397	1.52603	1.033	1.54503	1.712	
2,4-DINITROTOLUENE	.40072	.44442	.41796	.43321	.45140	1.043	.42954	4.767	
2,6-DINITROTOLUENE	.32024	.35962	.35930	.38014	.31316	.979	.34649	8.250	
DIETHYLPHTHALATE	1.38876	1.37312	1.27657	1.26956	1.20494	1.088	1.30259	5.910	
4-CHLOROPHENYL-PHENYLETHER	.53880	.52928	.51283	.55296	.49269	1.093	.52531	4.446	
FLUORENE	1.15189	1.15714	1.10199	1.15212	1.12438	1.091	1.13751	2.080	
4-NITROANILINE	-	.13018	.10303	.13590	.21418	1.103	.14582	32.760	
2-FLUOROBIPHENYL (SS)	1.09014	1.19844	1.18293	1.08970	1.01241	.891	1.11472	6.855	
2,4,6-TRIBROMOPHENOL (SS)	.13285	.16184	.17044	.20813	.20008	1.133	.17467	17.404	
4,6-DINITRO-2-METHYLPHENOL	-	.14120	.14612	.15109	.15368	.890	.14802	3.733	
N-NITROSODIPHENYLAMINE	.58166	.55943	.53417	.51765	.47405	.895	.53339	7.717	✓
4-BROMOPHENYL-PHENYLETHER	.21510	.22816	.22244	.20843	.16403	.942	.20763	12.275	
HEXACHLOROBENZENE	.27660	.28176	.25702	.27308	.24094	.960	.26508	6.293	
PENTACHLOROPHENOL	-	.08046	.08877	.10470	.11372	.985	.09691	15.537	✓
PHENANTHRENE	1.15856	1.13965	1.06082	.94206	.92676	1.004	1.04557	10.332	
ANTHRACENE	1.08897	1.07201	.98054	.95955	.94997	1.010	1.01021	6.472	
DI-N-BUTYLPHTHALATE	1.47177	1.48755	1.34469	1.27661	1.06438	1.093	1.32900	12.953	
FLUORANTHENE	.96463	1.08398	.91144	.92175	.86213	1.165	.94079	8.844	✓
PYRENE	2.28029	2.22747	2.20747	1.84158	2.01349	.870	2.11566	8.725	
BUTYLBENZYLPHTHALATE	.89569	.96337	.94079	.92201	.93409	.952	.93119	2.675	
3,3'-DICHLOROBENZIDINE	.21358	.21098	.16409	.15704	.13985	.999	.17711	18.808	
BENZO(a)ANTHRACENE	1.14564	1.27582	1.24867	1.11069	1.18352	.999	1.19287	5.788	
BIS(2-ETHYLHEXYL)PHTHALATE	1.03168	1.12226	1.08989	1.06092	1.08362	1.012	1.07768	3.136	
CHRYSENE	1.13415	1.27075	1.19108	1.09731	1.15617	1.003	1.16988	5.630	
TERPHENYL-d14 (SS)	1.11112	1.15876	1.09356	.98966	.98659	.897	1.06794	7.180	
DI-N-OCTYL PHTHALATE	2.14532	2.70768	2.72581	2.78539	2.93864	.932	2.66057	11.352	✓
BENZO(b)FLUORANTHENE	1.43552	1.88096	1.69414	1.59721	1.64032	.963	1.64963	9.783	
BENZO(k)FLUORANTHENE	.95092	.94861	.99670	1.10588	1.07562	.965	1.01555	7.098	
BENZO(a)PYRENE	1.12981	1.35227	1.33464	1.30832	1.34449	.994	1.29398	7.205	✓
INDENO(1,2,3-cd)PYRENE	.79085	1.10669	.97815	1.08538	1.09202	1.135	1.01062	13.164	
DIBENZO(a,h)ANTHRACENE	.84934	1.08316	.99761	1.04718	1.05397	1.139	1.00625	9.238	
BENZO(g,h,i)PERYLENE	.91157	1.08471	.98656	1.01221	1.01400	1.175	1.00181	6.215	

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

QUANT REPORT

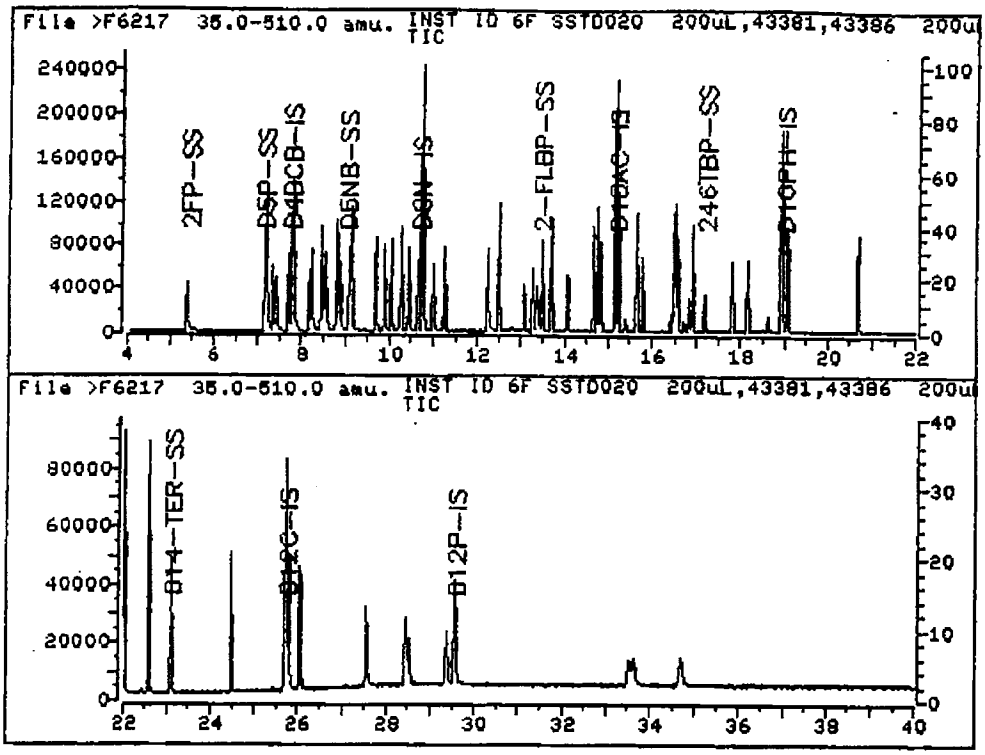
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890916 03:45
Output File: ^F6217::QT Injected at: 890916 03:03
Data File: >F6217::DH Dilution Factor: 1.00000
Name: INST ID 6F SSTD020
Misc: 200uL,43381,43386 200uL,MECL2 IS=40ng,433BTL# 5

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.81	152.0	42944	40.00	ng	79
2)	PHENOL	7.20	94.0	47086	22.26	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.35	93.0	41150	17.96	ng	90
4)	2-CHLOROPHENOL	7.41	128.0	32589	19.45	ng	90
5)	1,3-DICHLOROBENZENE	7.72	146.0	34762	18.95	ng	89
6)	1,4-DICHLOROBENZENE	7.83	146.0	36258	22.92	ng	93
7)	BENZYL ALCOHOL	8.16	108.0	18189	15.39	ng	85
8)	1,2-DICHLOROBENZENE	8.24	146.0	34842	19.14	ng	85
9)	2-METHYLPHENOL	8.47	108.0	32662	19.60	ng	92
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.53	45.0	88304	17.69	ng	100
11)	4-METHYLPHENOL	8.81	108.0	34932	22.22	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	8.85	70.0	31865	19.24	ng	91
13)	HEXACHLOROETHANE	8.91	117.0	16589	20.98	ng	89
14)	2-FLUOROPHENOL (SS)	5.39	112.0	27561	23.17	ng	36
15)	PHENOL-d5 (SS)	7.16	99.0	40280	20.02	ng	87
16)	*NAPHTHALENE-d8 (IS)	10.74	136.0	195622	40.00	ng	100
17)	NITROBENZENE	9.14	77.0	78330	15.52	ng	71
18)	ISOPHORONE	9.70	82.0	82400	16.05	ng	79
19)	2-NITROPHENOL	9.89	139.0	22815	18.07	ng	69
20)	2,4-DIMETHYLPHENOL	10.03	107.0	32804	17.41	ng	92
22)	BIS(-2-CHLOROETHOXY)METHANE	10.29	93.0	53857	19.11	ng	73
23)	2,4-DICHLOROPHENOL	10.45	162.0	25144	18.59	ng	87
24)	1,2,4-TRICHLOROBENZENE	10.64	180.0	28907	16.08	ng	98
25)	NAPHTHALENE	10.79	128.0	94691	19.18	ng	100
26)	4-CHLOROANILINE	10.99	127.0	38825	17.37	ng	98
27)	HEXACHLOROBUTADIENE	11.27	225.0	14132	17.85	ng	75
28)	4-CHLORO-3-METHYLPHENOL	12.24	107.0	30734	16.54	ng	100
29)	2-METHYLNAPHTHALENE	12.49	142.0	55942	16.82	ng	97
30)	NITROBENZENE-d5 (SS)	9.10	82.0	38416	15.87	ng	89
31)	*ACENAPHTHENE-d10 (IS)	15.18	164.0	99525	40.00	ng	97
32)	HEXACHLOROCYCLOPENTADIENE	13.08	237.0	12484	18.26	ng	96
33)	2,4,6-TRICHLOROPHENOL	13.29	196.0	16158	16.16	ng	99
35)	2-CHLORONAPHTHALENE	13.70	162.0	54823	17.58	ng	95
37)	DIMETHYL PHTHALATE	14.68	163.0	64057	17.06	ng	42
38)	ACENAPHTHYLENE	14.77	152.0	88744	17.02	ng	88
40)	ACENAPHTHENE	15.25	153.0	56370	18.30	ng	84
43)	DIBENZOFURAN	15.66	168.0	75625	16.77	ng	78
44)	2,4-DINITROTOLUENE	15.81	165.0	19941	15.56	ng	92
45)	2,6-DINITROTOLUENE	14.83	165.0	15936	13.69	ng	80
46)	DIETHYLPHTHALATE	16.50	149.0	69108	16.40	ng	88
47)	4-CHLOROPHENYL-PHENYLETHER	16.58	204.0	26812	15.54	ng	100
48)	FLUORENE	16.54	166.0	57321	16.11	ng	97
50)	2-FLUOROBIPHENYL (SS)	13.49	172.0	54248	17.68	ng	100

	Compound	R.T.	Q ion	Area	Conc	Units	q
51)	2,4,6-TRIBROMOPHENOL (SS)	17.18	330.0	6611	11.07	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.91	188.0	132276	40.00	ng	100
54)	N-NITROSODIPHENYLAMINE	16.91	169.0	38470	17.28	ng	86
55)	4-BROMOPHENYL-PHENYLETHER	17.81	248.0	14226	15.84	ng	89
56)	HEXACHLOROBENZENE	18.14	284.0	18294	16.42	ng	100
58)	PHENANTHRENE	18.98	178.0	76625	18.08	ng	82
59)	ANTHRACENE	19.08	178.0	72022	18.21	ng	86
60)	DI-N-BUTYLPHTHALATE	20.69	149.0	97340	16.52	ng	100
61)	FLUORANTHENE	22.04	202.0	63799	17.51	ng	94
62)	*CHRYSENE-d12 (IS)	25.75	240.0	52898	40.00	ng	100
63)	PYRENE	22.60	202.0	60523	16.48	ng	87
64)	BUTYLBENZYLPHTHALATE	24.50	149.0	23690	12.74	ng	45
65)	3,3'-DICHLOROBENZIDINE	25.71	252.0	5649	27.31	ng	100
66)	BENZO(a)ANTHRACENE	25.71	228.0	30301	15.66	ng	83
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.04	149.0	27287	11.53	ng	89
68)	CHRYSENE	25.81	228.0	29997	16.14	ng	90
69)	TERPHENYL-d14 (SS)	23.10	244.0	29388	14.99	ng	100
70)	*PERYLENE-d12 (IS)	29.57	264.0	30499	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.54	149.0	32715	11.25	ng	100
72)	BENZO(b)FLUORANTHENE	28.44	252.0	21891	14.54	ng	100
73)	BENZO(k)FLUORANTHENE	28.50	252.0	14501	16.39	ng	100
74)	BENZO(a)PYRENE	29.38	252.0	17229	15.10	ng	92
75)	INDENO(1,2,3-cd)PYRENE	33.53	276.0	12060	13.32	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.64	278.0	12952	15.04	ng	100
77)	BENZO(g,h,i)PERYLENE	34.70	276.0	13901	16.96	ng	100

* Compound is ISTD



MS data file header from : >F6217

Sample: INST ID 6F SSTD020 Operator: TERMINAL60MS 9/16/89 3:03
Misc : 200uL,43381,43386 200uL,MECL2 IS=40ng,4338TL# 5
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

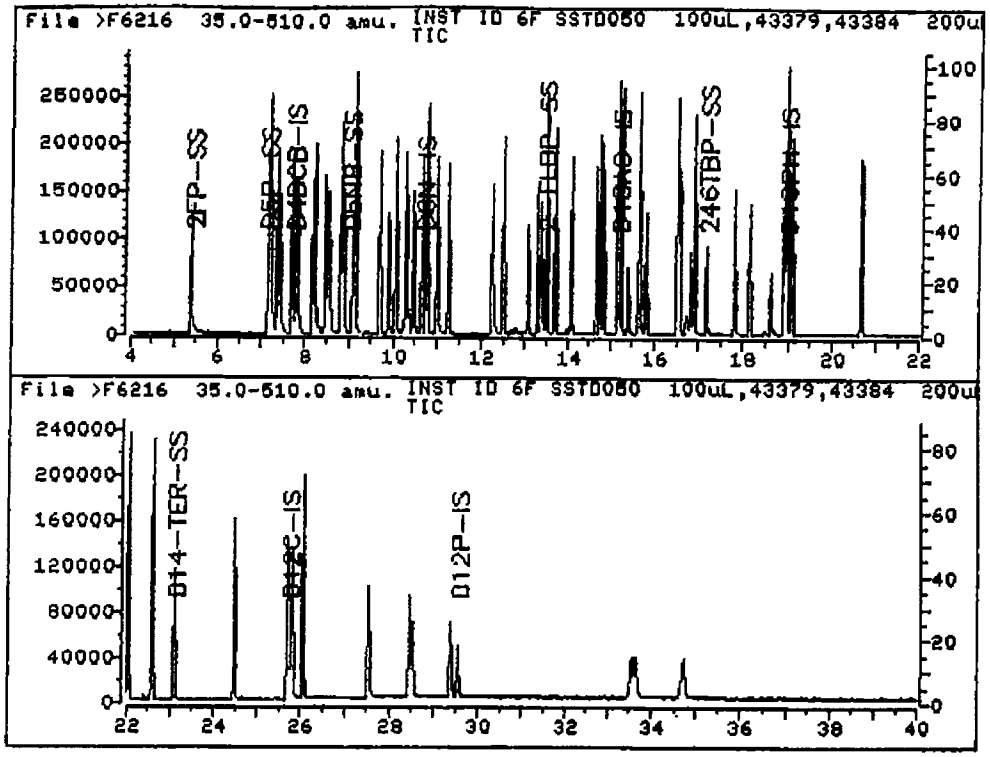
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890916 02:55
Output File: ^F6216::QT Injected at: 890916 02:12
Data File: >F6216::DH Dilution Factor: 1.00000
Name: INST ID 6F SSTD050
Misc: 100uL,43379,43384 200uL,MECL2 IS=40ng,433BTL# 4

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.81	152.0	42295	40.00	ng	85
2)	PHENOL	7.20	94.0	101599	48.77	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.37	93.0	103777	45.99	ng	81
4)	2-CHLOROPHENOL	7.43	128.0	80122	48.55	ng	73
5)	1,3-DICHLOROBENZENE	7.72	146.0	84964	47.03	ng	88
6)	1,4-DICHLOROBENZENE	7.83	146.0	74970	48.13	ng	95
7)	BENZYL ALCOHOL	8.18	108.0	53884	46.30	ng	84
8)	1,2-DICHLOROBENZENE	8.24	146.0	87112	48.58	ng	88
9)	2-METHYLPHENOL	8.47	108.0	70626	43.03	ng	94
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.54	45.0	215179	43.76	ng	100
11)	4-METHYLPHENOL	8.83	108.0	75943	49.05	ng	96
12)	N-NITROSO-DI-n-PROPYL AMINE	8.87	70.0	76325	46.79	ng	51
13)	HEXACHLOROETHANE	8.91	117.0	40067	51.46	ng	83
14)	2-FLUOROPHENOL (SS)	5.39	112.0	59996	51.21	ng	43
15)	PHENOL-d5 (SS)	7.18	99.0	95041	47.96	ng	80
16)	*NAPHTHALENE-d8 (IS)	10.74	136.0	171808	40.00	ng	100
17)	NITROBENZENE	9.16	77.0	184831	41.71	ng	69
18)	ISOPHORONE	9.70	82.0	186064	41.26	ng	90
19)	2-NITROPHENOL	9.89	139.0	52135	47.01	ng	81
20)	2,4-DIMETHYLPHENOL	10.06	107.0	83492	50.45	ng	89
21)	BENZOIC ACID	10.37	122.0	22385	31.08	ng	99
22)	BIS(-2-CHLOROETHOXY)METHANE	10.29	93.0	114833	46.40	ng	81
23)	2,4-DICHLOROPHENOL	10.45	162.0	59149	49.78	ng	92
24)	1,2,4-TRICHLOROBENZENE	10.66	180.0	73232	46.38	ng	95
25)	NAPHTHALENE	10.79	128.0	210462	48.53	ng	100
26)	4-CHLOROANILINE	11.02	127.0	99171	50.52	ng	95
27)	HEXACHLOROBUTADIENE	11.27	225.0	35586	51.17	ng	83
28)	4-CHLORO-3-METHYLPHENOL	12.25	107.0	70820	43.39	ng	100
29)	2-METHYLNAPHTHALENE	12.50	142.0	125787	43.07	ng	98
30)	NITROBENZENE-d5 (SS)	9.12	82.0	98640	46.39	ng	82
31)	*ACENAPHTHENE-d10 (IS)	15.19	164.0	90937	40.00	ng	91
32)	HEXACHLOROCYCLOPENTADIENE	13.08	237.0	35691	57.15	ng	95
33)	2,4,6-TRICHLOROPHENOL	13.29	196.0	39307	43.01	ng	98
34)	2,4,5-TRICHLOROPHENOL	13.39	196.0	42281	48.25	ng	97
35)	2-CHLORONAPHTHALENE	13.73	162.0	131652	46.21	ng	85
36)	2-NITROANILINE	14.10	65.0	69539	41.69	ng	65
37)	DIMETHYL PHTHALATE	14.69	163.0	146261	42.64	ng	61
38)	ACENAPHTHYLENE	14.77	152.0	221293	46.46	ng	89
39)	3-NITROANILINE	15.16	138.0	35405	75.83	ng	67
40)	ACENAPHTHENE	15.27	153.0	141525	50.29	ng	77
41)	2,4-DINITROPHENOL	15.42	184.0	15076	43.32	ng	100
42)	4-NITROPHENOL	15.64	109.0	11378	48.86	ng	65
43)	DIBENZOFURAN	15.67	168.0	178829	43.41	ng	88

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	15.81	165.0	50518	43.15	ng	74
45)	2,6-DINITROTOLUENE	14.85	165.0	40879	38.44	ng	51
46)	DIETHYLPHTHALATE	16.50	149.0	156084	40.54	ng	89
47)	4-CHLOROPHENYL-PHENYLETHER	16.58	204.0	60164	38.17	ng	100
48)	FLUORENE	16.54	166.0	131534	40.46	ng	98
49)	4-NITROANILINE	16.73	138.0	14798	40.14	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.52	172.0	136228	48.60	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.19	330.0	18397	33.71	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.92	188.0	133837	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.83	198.0	23622	45.76	ng	100
54)	N-NITROSODIPHENYLAMINE	16.92	169.0	93590	41.55	ng	85
55)	4-BROMOPHENYL-PHENYLETHER	17.81	248.0	38170	42.00	ng	96
56)	HEXACHLOROBENZENE	18.15	284.0	47138	41.82	ng	100
57)	PENTACHLOROPHENOL	18.63	266.0	13461	33.27	ng	100
58)	PHENANTHRENE	18.98	178.0	190660	44.47	ng	82
59)	ANTHRACENE	19.09	178.0	179344	44.81	ng	83
60)	DI-N-BUTYLPHTHALATE	20.67	149.0	248861	41.74	ng	100
61)	FLUORANTHENE	22.05	202.0	181345	49.20	ng	95
62)	*CHRYSENE-d12 (IS)	25.74	240.0	63315	40.00	ng	100
63)	PYRENE	22.61	202.0	176290	40.10	ng	91
64)	BUTYLBENZYLPHTHALATE	24.49	149.0	76245	34.26	ng	77
65)	3,3'-DICHLOROBENZIDINE	25.72	252.0	16698	67.44	ng	100
66)	BENZO(a)ANTHRACENE	25.70	228.0	100973	43.60	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.05	149.0	88820	31.36	ng	96
68)	CHRYSENE	25.80	228.0	100572	45.22	ng	91
69)	TERPHENYL-d14 (SS)	23.09	244.0	91709	39.07	ng	100
70)	*PERYLENE-d12 (IS)	29.56	264.0	37338	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.54	149.0	126374	35.49	ng	100
72)	BENZO(b)FLUORANTHENE	28.46	252.0	87789	47.64	ng	100
73)	BENZO(k)FLUORANTHENE	28.52	252.0	44274	40.87	ng	100
74)	BENZO(a)PYRENE	29.40	252.0	63114	45.17	ng	90
75)	INDENO(1,2,3-cd)PYRENE	33.55	276.0	51652	46.61	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.66	278.0	50554	47.95	ng	100
77)	BENZO(g,h,i)PERYLENE	34.72	276.0	50626	50.44	ng	100

* Compound is ISTD



MS data file header from : >F6216

Sample: INST ID 6F SSTD050 Operator: TERMINAL60MS 9/16/89 2:12
Misc : 100uL,43379,43384 200uL,MECL2 IS=40ng,433BTL# 4
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

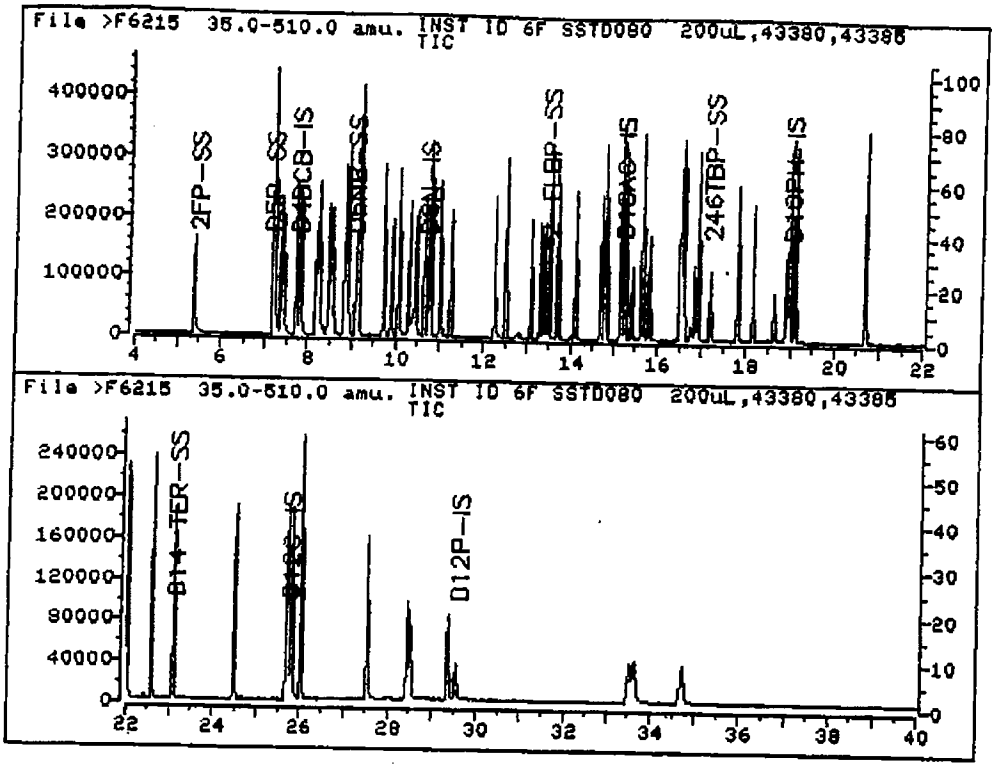
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890916 02:04
Output File: ^F6215::QT Injected at: 890916 01:21
Data File: >F6215::DH Dilution Factor: 1.00000
Name: INST ID 6F SSTD080
Misc: 200uL,43380,43385 . IS=40ng,433BTL# 3

ID File: CLPID6::07
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.81	152.0	39977	40.00	ng	82
2)	PHENOL	7.23	94.0	165472	84.04	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.38	93.0	133025	62.37	ng	86
4)	2-CHLOROPHENOL	7.44	128.0	121629	77.98	ng	71
5)	1,3-DICHLOROBENZENE	7.73	146.0	127715	74.79	ng	90
6)	1,4-DICHLOROBENZENE	7.83	146.0	120971	82.16	ng	94
7)	BENZYL ALCOHOL	8.19	108.0	76626	69.66	ng	85
8)	1,2-DICHLOROBENZENE	8.25	146.0	125047	73.78	ng	88
9)	2-METHYLPHENOL	8.48	108.0	109895	70.84	ng	95
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.54	45.0	320187	68.89	ng	100
11)	4-METHYLPHENOL	8.86	108.0	119680	81.78	ng	97
12)	N-NITROSO-DI-n-PROPYLAMINE	8.90	70.0	112136	72.73	ng	46
13)	HEXACHLOROETHANE	8.92	117.0	54537	74.10	ng	91
14)	2-FLUOROPHENOL (SS)	5.40	112.0	93834	84.74	ng	34
15)	PHENOL-d5 (SS)	7.19	99.0	143533	76.62	ng	84
16)	*NAPHTHALENE-d8 (IS)	10.75	136.0	177951	40.00	ng	100
17)	NITROBENZENE	9.19	77.0	309672	67.47	ng	64
18)	ISOPHORONE	9.73	82.0	294573	63.07	ng	84
19)	2-NITROPHENOL	9.90	139.0	84530	73.59	ng	83
20)	2,4-DIMETHYLPHENOL	10.06	107.0	114089	66.56	ng	94
21)	BENZOIC ACID	10.44	122.0	48122	64.50	ng	97
22)	BIS(-2-CHLOROETHOXY)METHANE	10.31	93.0	174478	68.07	ng	62
23)	2,4-DICHLOROPHENOL	10.46	162.0	90370	73.43	ng	93
24)	1,2,4-TRICHLOROBENZENE	10.67	180.0	103641	63.37	ng	94
25)	NAPHTHALENE	10.79	128.0	291093	64.80	ng	100
26)	4-CHLOROANILINE	11.02	127.0	148739	73.15	ng	96
27)	HEXACHLOROBUTADIENE	11.27	225.0	48393	67.19	ng	75
28)	4-CHLORO-3-METHYLPHENOL	12.25	107.0	102559	60.67	ng	100
29)	2-METHYLNAPHTHALENE	12.50	142.0	175972	58.17	ng	98
30)	NITROBENZENE-d5 (SS)	9.13	82.0	143889	65.33	ng	85
31)	*ACENAPHTHENE-d10 (IS)	15.17	164.0	84458	40.00	ng	96
32)	HEXACHLOROCYCLOPENTADIENE	13.09	237.0	55380	95.48	ng	96
33)	2,4,6-TRICHLOROPHENOL	13.30	196.0	58793	69.27	ng	97
34)	2,4,5-TRICHLOROPHENOL	13.38	196.0	63812	78.41	ng	93
35)	2-CHLORONAPHTHALENE	13.71	162.0	189462	71.61	ng	94
36)	2-NITROANILINE	14.11	65.0	98845	63.81	ng	67
37)	DIMETHYL PHTHALATE	14.69	163.0	202466	63.56	ng	59
38)	ACENAPHTHYLENE	14.78	152.0	289449	65.43	ng	88
39)	3-NITROANILINE	15.17	138.0	50714	116.96	ng	64
40)	ACENAPHTHENE	15.26	153.0	196217	75.08	ng	82
41)	2,4-DINITROPHENOL	15.42	184.0	28777	89.03	ng	100
42)	4-NITROPHENOL	15.65	109.0	17399	80.45	ng	58
43)	DIBENZOFURAN	15.68	168.0	258814	67.64	ng	88

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	15.82	165.0	70600	64.94	ng	74
45)	2,6-DINITROTOLUENE	14.86	165.0	60691	61.44	ng	94
46)	DIETHYLPHTHALATE	16.51	149.0	215633	60.31	ng	90
47)	4-CHLOROPHENYL-PHENYLETHER	16.59	204.0	86625	59.18	ng	100
48)	FLUORENE	16.55	166.0	186144	61.64	ng	96
49)	4-NITROANILINE	16.74	138.0	17404	50.83	ng	87
50)	2-FLUOROBIPHENYL (SS)	13.53	172.0	199815	76.75	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.20	330.0	28790	56.80	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.91	188.0	125795	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.84	198.0	36763	75.77	ng	100
54)	N-NITROSODIPHENYLAMINE	16.93	169.0	134391	63.48	ng	88
55)	4-BROMOPHENYL-PHENYLETHER	17.82	248.0	55964	65.51	ng	90
56)	HEXACHLOROBENZENE	18.16	284.0	64664	61.04	ng	100
57)	PENTACHLOROPHENOL	18.62	266.0	22333	58.73	ng	100
58)	PHENANTHRENE	18.99	178.0	266892	66.23	ng	83
59)	ANTHRACENE	19.10	178.0	246694	65.58	ng	85
60)	DI-N-BUTYLPHTHALATE	20.68	149.0	338310	60.36	ng	100
61)	FLUORANTHENE	22.04	202.0	229309	66.19	ng	98
62)	*CHRYSENE-d12 (IS)	25.73	240.0	54016	40.00	ng	100
63)	PYRENE	22.60	202.0	238477	63.59	ng	96
64)	BUTYLBENZYLPHTHALATE	24.50	149.0	101635	53.53	ng	56
65)	3,3'-DICHLOROBENZIDINE	25.71	252.0	17727	83.93	ng	100
66)	BENZO(a)ANTHRACENE	25.71	228.0	134896	68.28	ng	486
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.05	149.0	117743	48.72	ng	93
68)	CHRYSENE	25.82	228.0	128666	67.82	ng	91
69)	TERPHENYL-d14 (SS)	23.10	244.0	118139	58.99	ng	100
70)	*PERYLENE-d12 (IS)	29.56	264.0	28495	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.55	149.0	155344	57.16	ng	100
72)	BENZO(b)FLUORANTHENE	28.45	252.0	96549	68.66	ng	100
73)	BENZO(k)FLUORANTHENE	28.51	252.0	56802	68.71	ng	100
74)	BENZO(a)PYRENE	29.39	252.0	76061	71.33	ng	94
75)	INDENO(1,2,3-cd)PYRENE	33.55	276.0	55745	65.92	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.65	278.0	56854	70.66	ng	100
77)	BENZO(g,h,i)PERYLENE	34.72	276.0	56224	73.41	ng	100

* Compound is ISTD



MS data file header from : >F6215

Sample: INST ID 6F SSTD080 Operator: TERMINAL60MS 9/16/89 1:21
Misc : 200uL,43380,43385 IS=40ng,433BTL# 3
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0

QUANT REPORT

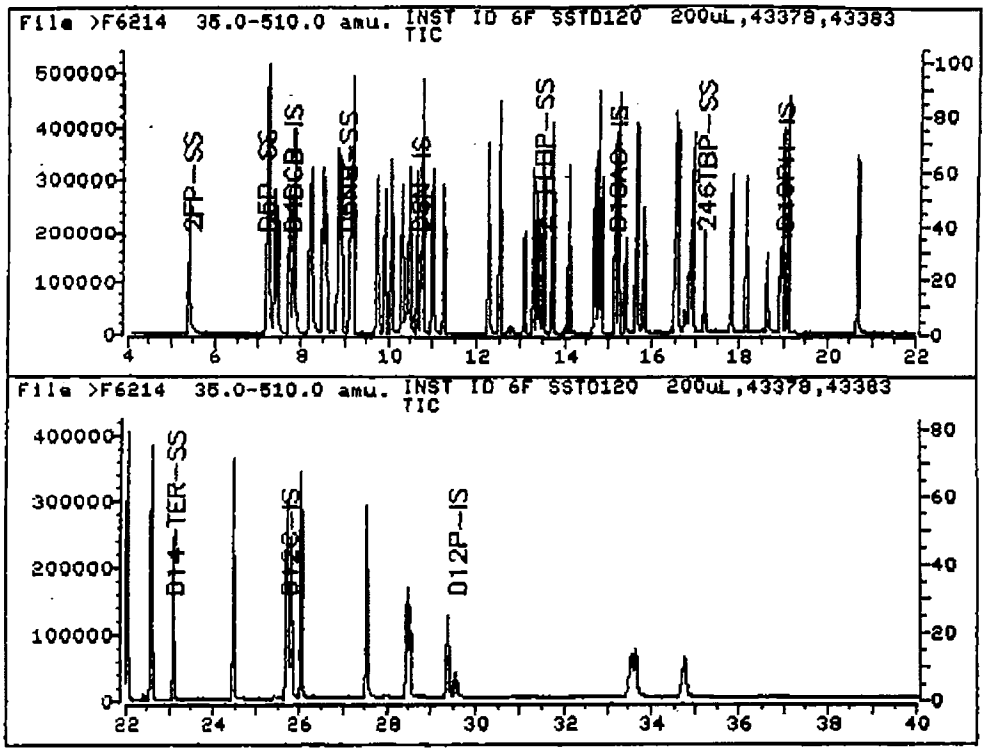
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890916 01:13
Output File: ^F6214::QT Injected at: 890916 00:31
Data File: >F6214::DH Dilution Factor: 1.00000
Name: INST ID 6F SSTD120
Misc: 200uL,43378,43383 IS=40ng,4338TL# 2

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.80	152.0	39913	40.00	ng	80
2)	PHENOL	7.24	94.0	202876	103.20	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.39	93.0	184220	86.51	ng	83
4)	2-CHLOROPHENOL	7.43	128.0	168009	107.88	ng	83
5)	1,3-DICHLOROBENZENE	7.72	146.0	170637	100.08	ng	92
6)	1,4-DICHLOROBENZENE	7.84	146.0	177919	121.03	ng	95
7)	BENZYL ALCOHOL	8.20	108.0	105019	95.63	ng	82
8)	1,2-DICHLOROBENZENE	8.24	146.0	160762	95.01	ng	92
9)	2-METHYLPHENOL	8.49	108.0	147263	95.07	ng	93
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.55	45.0	458874	98.88	ng	100
11)	4-METHYLPHENOL	8.87	108.0	160390	109.77	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	8.95	70.0	159298	103.49	ng	42
13)	HEXACHLOROETHANE	8.93	117.0	76199	103.70	ng	85
14)	2-FLUOROPHENOL (SS)	5.39	112.0	146922	132.89	ng	70
15)	PHENOL-d5 (SS)	7.22	99.0	208019	111.23	ng	80
16)	*NAPHTHALENE-d8 (IS)	10.74	136.0	168121	40.00	ng	100
17)	NITROBENZENE	9.20	77.0	390319	90.01	ng	69
18)	ISOPHORONE	9.74	82.0	407412	92.33	ng	86
19)	2-NITROPHENOL	9.91	139.0	112718	103.86	ng	77
20)	2,4-DIMETHYLPHENOL	10.08	107.0	160353	99.01	ng	91
21)	BENZOIC ACID	10.51	122.0	80828M	114.67	ng	98
22)	BIS(-2-CHLOROETHOXY)METHANE	10.30	93.0	254852	105.23	ng	80
23)	2,4-DICHLOROPHENOL	10.47	162.0	129198	111.12	ng	92
24)	1,2,4-TRICHLOROBENZENE	10.66	180.0	139840	90.51	ng	97
25)	NAPHTHALENE	10.81	128.0	406032	95.68	ng	100
26)	4-CHLOROANILINE	11.03	127.0	205526	106.99	ng	97
27)	HEXACHLOROBUTADIENE	11.26	225.0	65938	96.90	ng	83
28)	4-CHLORO-3-METHYLPHENOL	12.26	107.0	147079	92.09	ng	100
29)	2-METHYLNAPHTHALENE	12.51	142.0	257100	89.96	ng	93
30)	NITROBENZENE-d5 (SS)	9.14	82.0	205575	98.79	ng	86
31)	*ACENAPHTHENE-d10 (IS)	15.16	164.0	76945	40.00	ng	90
32)	HEXACHLOROCYCLOPENTADIENE	13.08	237.0	74186	140.39	ng	95
33)	2,4,6-TRICHLOROPHENOL	13.31	196.0	82826	107.12	ng	99
34)	2,4,5-TRICHLOROPHENOL	13.39	196.0	84621	114.13	ng	95
35)	2-CHLORONAPHTHALENE	13.73	162.0	243193	100.89	ng	93
36)	2-NITROANILINE	14.12	65.0	147451	104.49	ng	65
37)	DIMETHYL PHTHALATE	14.71	163.0	289423	99.73	ng	55
38)	ACENAPHTHYLENE	14.79	152.0	411752	102.16	ng	87
39)	3-NITROANILINE	15.19	138.0	76569	193.83	ng	57
40)	ACENAPHTHENE	15.27	153.0	245285	103.01	ng	82
41)	2,4-DINITROPHENOL	15.44	184.0	49132	166.84	ng	100
42)	4-NITROPHENOL	15.67	109.0	27788	141.03	ng	54
43)	DIBENZOFURAN	15.69	168.0	363328	104.22	ng	79

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	15.83	165.0	100000	100.96	ng	80
45)	2,6-DINITROTOLUENE	14.85	165.0	87750	97.51	ng	80
46)	DIETHYLPHTHALATE	16.52	149.0	293058	89.97	ng	87
47)	4-CHLOROPHENYL-PHENYLETHER	16.61	204.0	127643	95.71	ng	100
48)	FLUORENE	16.56	166.0	265950	96.67	ng	97
49)	4-NITROANILINE	16.75	138.0	31370	100.57	ng	89
50)	2-FLUOROBIPHENYL (SS)	13.52	172.0	251540	106.05	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.21	330.0	48044	104.04	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.92	188.0	126196	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.86	198.0	57202	117.52	ng	100
54)	N-NITROSODIPHENYLAMINE	16.94	169.0	195977	92.28	ng	83
55)	4-BROMOPHENYL-PHENYLETHER	17.82	248.0	78911	92.08	ng	96
56)	HEXACHLOROBENZENE	18.17	284.0	103386	97.29	ng	100
57)	PENTACHLOROPHENOL	18.63	266.0	39638	103.91	ng	100
58)	PHENANTHRENE	18.99	178.0	356652	88.22	ng	88
59)	ANTHRACENE	19.11	178.0	363276	96.26	ng	87
60)	DI-N-BUTYLPHTHALATE	20.68	149.0	483309	85.96	ng	100
61)	FLUORANTHENE	22.05	202.0	348964	100.41	ng	98
62)	*CHRYSENE-d12 (IS)	25.75	240.0	61283	40.00	ng	100
63)	PYRENE	22.62	202.0	338572	79.57	ng	93
64)	BUTYLBENZYLPHTHALATE	24.50	149.0	169510	78.70	ng	72
65)	3,3'-DICHLOROBENZIDINE	25.73	252.0	28871	120.48	ng	100
66)	BENZO(a)ANTHRACENE	25.71	228.0	204199	91.10	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.04	149.0	195049	71.14	ng	94
68)	CHRYSENE	25.81	228.0	201740	93.72	ng	90
69)	TERPHENYL-d14 (SS)	23.10	244.0	181948	80.08	ng	100
70)	*PERYLENE-d12 (IS)	29.56	264.0	33243	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.55	149.0	277784	87.62	ng	100
72)	BENZO(b)FLUORANTHENE	28.47	252.0	159288	97.09	ng	100
73)	BENZO(k)FLUORANTHENE	28.53	252.0	110288	114.35	ng	100
74)	BENZO(a)PYRENE	29.39	252.0	130477	104.89	ng	98
75)	INDENO(1,2,3-cd)PYRENE	33.57	276.0	108244	109.71	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.67	278.0	104434	111.26	ng	100
77)	BENZO(g,h,i)PERYLENE	34.74	276.0	100947	112.97	ng	100

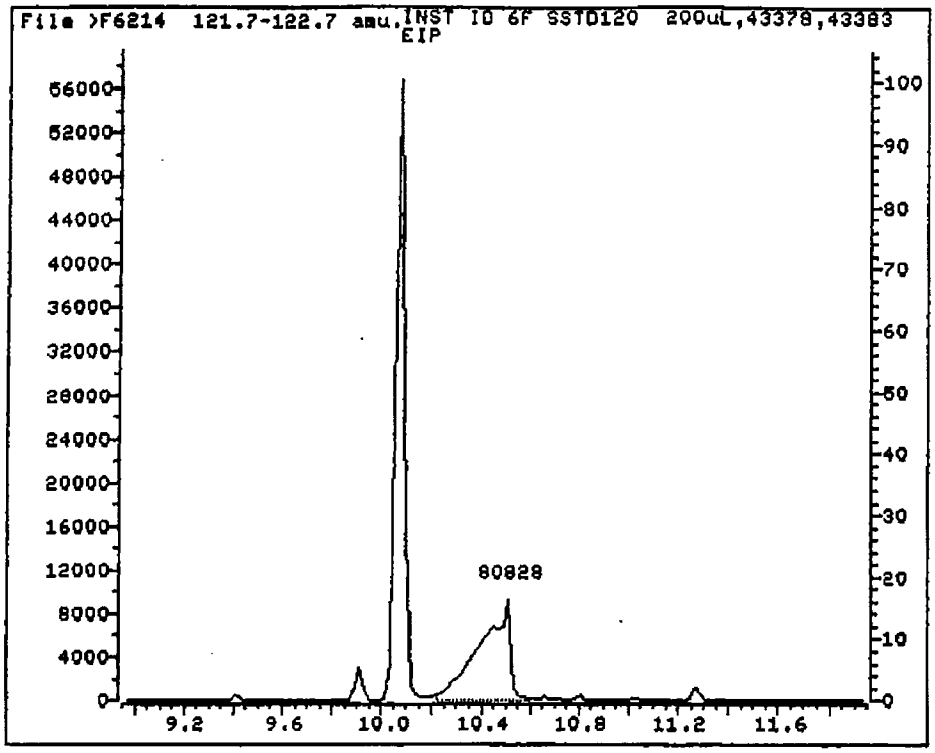
* Compound is ISTD



MS data file header from : >F6214

Sample: INST ID 6F SSTD120 Operator: TERMINAL60MS 9/16/89 0:31
Misc : 200uL,43378,43383 IS=40ng,433BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6214::DH
Quant Output File: ^F6214::QT
Name: INST ID 6F SSTD120
Misc: 200uL,43378,43383
IS=40ng,433BTL# 2
Quant Time: 890918 01:13
Quant ID File: CLPID6::D7
Injected at: 890918 00:31
Last Calibration: 890915 07:41

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 308
Retention Time: 10.51 min.
Quant Ion: 122.0
Area: 80828M
Concentration: 114.67 ng
q-value: 98

This report was produced by QAREA on: 890918 02:05

QUANT REPORT

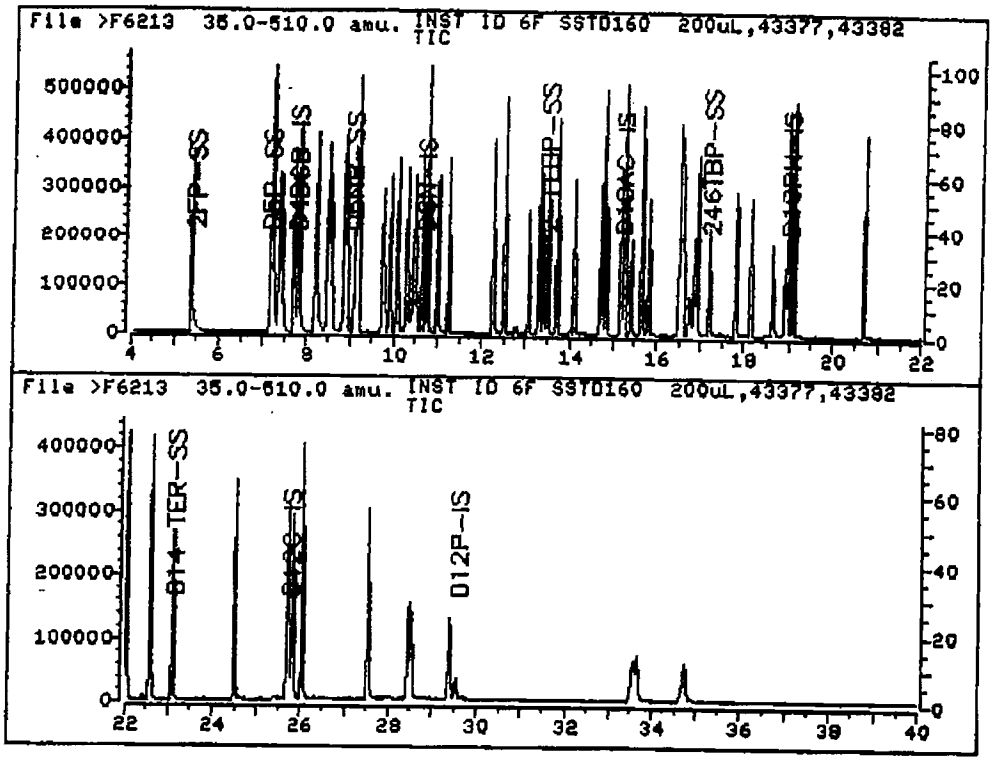
Operator ID: TERMINAL60 Quant Rev: 6 Quant Time: 890916 00:22
Output File: ^F6213::QT Injected at: 890915 23:40
Data File: >F6213::DH Dilution Factor: 1.00000
Name: INST ID 6F SSTD160
Misc: 200uL,43377,43382 IS=40ng,433BTL# 1

ID File: CLPID6::D7
Title: EPA SEMI-VOLATILE HAZARDOUS SUBSTANCES LIST
Last Calibration: 890915 07:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4 (IS)	7.81	152.0	36225	40.00	ng	83
2)	PHENOL	7.24	94.0	245873	137.81	ng	100
3)	BIS(-2-CHLOROETHYL)ETHER	7.39	93.0	226560	117.23	ng	89
4)	2-CHLOROPHENOL	7.43	128.0	207804	147.02	ng	83
5)	1,3-DICHLOROBENZENE	7.72	146.0	203390	131.44	ng	92
6)	1,4-DICHLOROBENZENE	7.85	146.0	217285	162.86	ng	89
7)	BENZYL ALCOHOL	8.22	108.0	126438	126.85	ng	75
8)	1,2-DICHLOROBENZENE	8.24	146.0	195279	127.15	ng	93
9)	2-METHYLPHENOL	8.49	108.0	178892	127.25	ng	95
10)	BIS(2-CHLOROISOPROPYL)ETHER	8.56	45.0	557666	132.40	ng	100
11)	4-METHYLPHENOL	8.87	108.0	189339	142.78	ng	96
12)	N-NITROSO-DI-n-PROPYLAMINE	8.95	70.0	157450	112.70	ng	97
13)	HEXACHLOROETHANE	8.91	117.0	86267	129.36	ng	81
14)	2-FLUOROPHENOL (SS)	5.39	112.0	184440	183.81	ng	68
15)	PHENOL-d5 (SS)	7.22	99.0	248431	146.36	ng	83
16)	*NAPHTHALENE-d8 (IS)	10.75	136.0	143668	40.00	ng	100
17)	NITROBENZENE	9.20	77.0	444616	119.98	ng	68
18)	ISOPHORONE	9.75	82.0	440923	116.94	ng	86
19)	2-NITROPHENOL	9.91	139.0	128273	138.31	ng	73
20)	2,4-DIMETHYLPHENOL	10.08	107.0	186183	134.53	ng	92
21)	BENZOIC ACID	10.54	122.0	87505M	145.27	ng	96
22)	BIS(-2-CHLOROETHOXY)METHANE	10.31	93.0	271461	131.17	ng	82
23)	2,4-DICHLOROPHENOL	10.48	162.0	143608	144.54	ng	93
24)	1,2,4-TRICHLOROBENZENE	10.66	180.0	156576	118.59	ng	95
25)	NAPHTHALENE	10.81	128.0	477397	131.64	ng	100
26)	4-CHLOROANILINE	11.02	127.0	229393	139.74	ng	99
27)	HEXACHLOROBUTADIENE	11.27	225.0	75744	130.26	ng	77
28)	4-CHLORO-3-METHYLPHENOL	12.27	107.0	174193	127.63	ng	100
29)	2-METHYLNAPHTHALENE	12.52	142.0	314443	128.75	ng	95
30)	NITROBENZENE-d5 (SS)	9.14	82.0	236093	132.77	ng	85
31)	*ACENAPHTHENE-d10 (IS)	15.17	164.0	64226	40.00	ng	93
32)	HEXACHLOROCYCLOPENTADIENE	13.08	237.0	75330	170.79	ng	94
33)	2,4,6-TRICHLOROPHENOL	13.31	196.0	97189	150.58	ng	96
34)	2,4,5-TRICHLOROPHENOL	13.40	196.0	99494	160.77	ng	98
35)	2-CHLORONAPHTHALENE	13.73	162.0	282220	140.27	ng	97
36)	2-NITROANILINE	14.13	65.0	174733	148.34	ng	61
37)	DIMETHYL PHTHALATE	14.71	163.0	303524	125.30	ng	47
38)	ACENAPHTHYLENE	14.79	152.0	496301	147.52	ng	91
39)	3-NITROANILINE	15.19	138.0	95545	289.76	ng	54
40)	ACENAPHTHENE	15.27	153.0	274354	138.04	ng	88
41)	2,4-DINITROPHENOL	15.44	184.0	53967	219.55	ng	100
42)	4-NITROPHENOL	15.67	109.0	29092	176.88	ng	52
43)	DIBENZOFURAN	15.67	168.0	392043	134.73	ng	72

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	2,4-DINITROTOLUENE	15.84	165.0	115967	140.26	ng	77
45)	2,6-DINITROTOLUENE	14.86	165.0	80453	107.10	ng	78
46)	DIETHYLPHTHALATE	16.53	149.0	309555	113.85	ng	88
47)	4-CHLOROPHENYL-PHENYLETHER	16.59	204.0	126574	113.71	ng	100
48)	FLUORENE	16.57	166.0	288857	125.79	ng	98
49)	4-NITROANILINE	16.76	138.0	55023	211.34	ng	92
50)	2-FLUOROBIPHENYL (SS)	13.52	172.0	260092	131.37	ng	100
51)	2,4,6-TRIBROMOPHENOL (SS)	17.22	330.0	51401	133.35	ng	100
52)	*PHENANTHRENE-d10 (IS)	18.93	188.0	109346	40.00	ng	100
53)	4,6-DINITRO-2-METHYLPHENOL	16.86	198.0	67217	159.37	ng	100
54)	N-NITROSODIPHENYLAMINE	16.94	169.0	207344	112.67	ng	85
55)	4-BROMOPHENYL-PHENYLETHER	17.82	248.0	71744	96.62	ng	85
56)	HEXACHLOROBENZENE	18.15	284.0	105383	114.45	ng	100
57)	PENTACHLOROPHENOL	18.64	266.0	49740	150.49	ng	100
58)	PHENANTHRENE	18.99	178.0	405349	115.72	ng	85
59)	ANTHRACENE	19.12	178.0	415503	127.07	ng	84
60)	DI-N-BUTYLPHTHALATE	20.68	149.0	465543	95.56	ng	100
61)	FLUORANTHENE	22.06	202.0	377081	125.22	ng	98
62)	*CHRYSENE-d12 (IS)	25.75	240.0	45845	40.00	ng	100
63)	PYRENE	22.62	202.0	369233	116.00	ng	93
64)	BUTYLBENZYLPHTHALATE	24.50	149.0	171294	106.31	ng	66
65)	3,3'-DICHLOROBENZIDINE	25.71	252.0	25646	143.06	ng	100
66)	BENZO(a)ANTHRACENE	25.71	228.0	217034	129.43	ng	86
67)	BIS(2-ETHYLHEXYL)PHTHALATE	26.05	149.0	198715	96.88	ng	96
68)	CHRYSENE	25.82	228.0	212019	131.67	ng	90
69)	TERPHENYL-d14 (SS)	23.10	244.0	180921	106.44	ng	100
70)	*PERYLENE-d12 (IS)	29.56	264.0	25347	40.00	ng	100
71)	DI-N-OCTYL PHTHALATE	27.55	149.0	297943	123.25	ng	100
72)	BENZO(b)FLUORANTHENE	28.45	252.0	166309	132.95	ng	100
73)	BENZO(k)FLUORANTHENE	28.54	252.0	109055	148.29	ng	100
74)	BENZO(a)PYRENE	29.39	252.0	136315	143.71	ng	95
75)	INDENO(1,2,3-cd)PYRENE	33.55	276.0	110718	147.18	ng	100
76)	DIBENZO(a,h)ANTHRACENE	33.66	278.0	106860	149.30	ng	100
77)	BENZO(g,h,i)PERYLENE	34.75	276.0	102807	150.89	ng	100

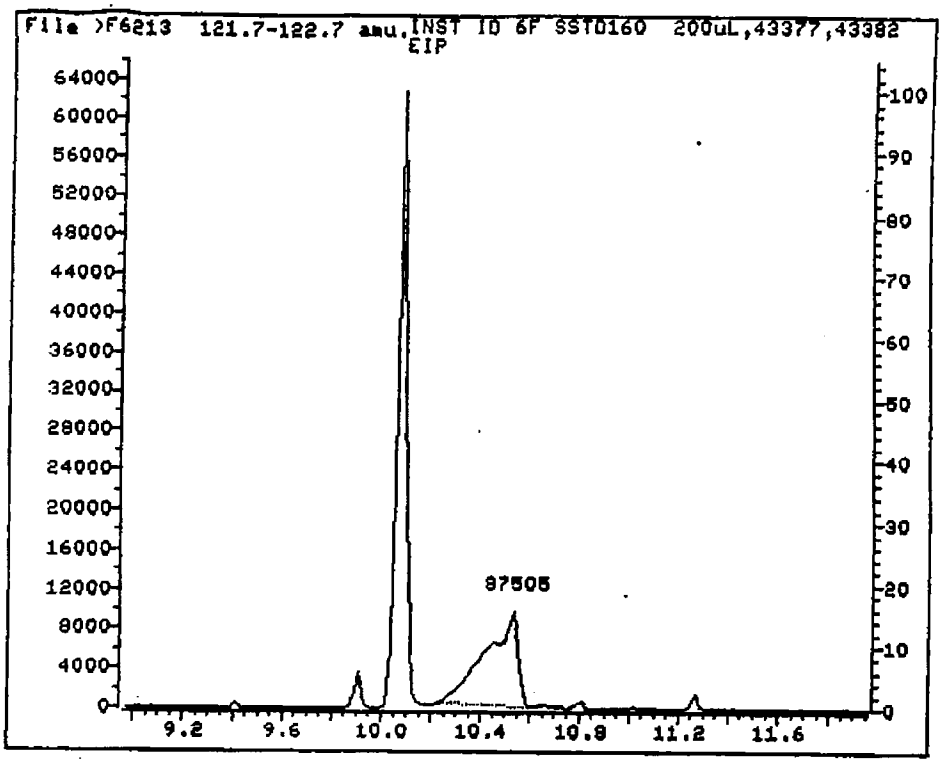
* Compound is ISTD



MS data file header from : >F6213

Sample: INST ID 6F SSTD160 Operator: TERMINAL60MS 9/15/89 23:40
Misc : 200uL,43377,43382 IS=40ng,433BTL# 1
Sys. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: BNAME6 Tuning file: MTBNA6 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 275 Transfer line temp. : 0

Chromatographic temperatures :	40.	300.	0.	0.	0.
Chromatographic times, min. :	1.0	23.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	0.0	0.0	.1	0.0



Data File: >F6213::DH
Name: INST ID 6F SSTD160
Misc: 200uL,43377,43382
Quant Time: 890916 00:22
Injected at: 890915 23:40

Quant Output File: ^F6213::QT

IS=40ng,433BTL# 1
Quant ID File: CLPID6::D7
Last Calibration: 890915 07:41

Compound No: 21
Compound Name: BENZOIC ACID
Scan Number: 309
Retention Time: 10.54 min.
Quant Ion: 122.0
Area: 87505M
Concentration: 145.27 ng
q-value: 96

This report was produced by QAREA on: 890918 01:59

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	54.77	54.77	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	68.60	68.60	Ok
70	Less than 2% of mass 69	.35	.52	Ok
127	40-60% of mass 198	41.64	41.64	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	7.57	7.57	Ok
275	10-30% of mass 198	19.37	19.37	Ok
365	Greater than 1% of mass 198	1.98	1.98	Ok
441	0-100% of mass 443	10.20	83.22	Ok
442	Greater than 40% of mass 198	64.37	64.37	Ok
443	17-23% of mass 442	12.25	19.04	Ok

Injection Date: 09/15/89
Injection Time: 21:30
Data File: >F6211
Scan: 394

PCB STANDARD CURVE DATA

Quantitation Report

AR1254 Curve # 1

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error
d02PR'014	N/A	242581.6	0.05000	0.04641	7.19
d02PR'013	N/A	696938.5	0.15000	0.15599	-3.84
d02PR'012	N/A	1284116	0.30000	0.29760	0.80

Average Percent Error is 3.941399E+00

Linear regression was calculated from summation of components 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 5.016652E+04) / 4.146273E+06
Correlation Coefficient is 9.9914E-01 ✓
Blank correction of 0.000000E+00 is used.

✓ RH 09/18/89

Calibration Report

AR1254 Curve # 2

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error
d02PR'014	N/A	190625.8	0.05000	0.04903	1.94
d02PR'013	N/A	549874.0	0.15000	0.15162	-1.07
d02PR'012	N/A	1067225	0.30000	0.29935	0.22

Average Percent Error is 1.074350E+00

Linear regression was calculated from summation of components 3 4 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 1.893060E+04) / 3.501865E+06
Correlation Coefficient is 9.999373E-01
Blank correction of 0.000000E+00 is used.

✓RH 09/18/89

Quantitation Report

AR1248 Curve # 1

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs (µg/ml)	Percent Error
d02pra003	N/A	1194833	0.30000	0.29835	0.55
d02pra004	N/A	624725.4	0.15000	0.15413	-2.68
d02pra005	N/A	203266.5	0.05000	0.04752	4.96

Average Percent Error is 2.730463E+00

Linear regression was calculated from summation of components 1 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 1.540901E+04) / 3.953195E+06
Correlation Coefficient is 9.9959E-01
Blank correction of 0.000000E+00 is used.

RH 09/18/89

Quantitation Report

AR1248 Curve # 2

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error
d02pra003	N/A	1043697	0.30000	0.29846	0.51
d02pra004	N/A	544468.5	0.15000	0.15386	-2.51
d02pra005	N/A	177874.6	0.05000	0.04768	4.63

Average Percent Error is 2.552738E+00

Linear regression was calculated from summation of components 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 1.324233E+04) /
3.452627E+06
Correlation Coefficient is 9.996426E-01
Blank correction of 0.000000E+00 is used.

RJ 09/18/89

Quantitation Report

AR1260 Curve # 1

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error
d02pra006	N/A	1810603	0.30000	0.29753	0.82
d02pra007	N/A	957418.1	0.15000	0.15618	-3.96
d02pra008	N/A	294176.8	0.05000	0.04629	7.41

Average Percent Error is 4.063701E+00

Linear regression was calculated from summation of components 1 2 3 4 5 6 7 8.
Concentrations are calculated from the equation

$$\text{Concentration} = \frac{(\text{Peak Area} - 1.475313E+04)}{6.035877E+06}$$

Correlation Coefficient is 9.990562E-01
Blank correction of 0.000000E+00 is used.

RH 9/18/89

Linearity for A-1254
A-1248 + A1260

```
RIVERA> li,aa.doc
{  This is an example of a chromatagraphic quantitation definition.
   The defaults must be assigned first.  The analytes must be defined
   second.  The samples must be defined next.  The solvents, blanks,
   and standards may come in any order following the samples.  }

Using Defaults
   FilePath = "/data/d192/result/";
   FileExtension = "res";
   Dilution = 1.0;
   Curve = LR; {Average Response Factor(ARF), Linear Regression(LR)}
   SolventCorrect = Off;
   BlankCorrect = on For Concentration;
   PeakType = single;
   ResponseType = peakarea;
   Units = "ng/ul";
   AMFactor = 1.0;
   SMFactor = 1.0;

For Analytes

   DBC:          Name = "DBC" ;

   AR1221:       Name = "AR1221", PeakType = multi;
   AR1232:       Name = "AR1232", PeakType = multi;
   AR1242:       Name = "AR1242", PeakType = multi;
   AR1248:       Name = "AR1248", PeakType = multi;
   AR1254:       Name = "AR1254", PeakType = multi;
   AR1016:       Name = "AR1016", PeakType = multi;
   AR1260:       Name = "AR1260", PeakType = multi;
   Toxaphene:    Name = "Toxaphene", PeakType = multi;

  CHECK LINEARITY
{ ANALYZE SAMPLES
   FILE = "D02KH011",smfactor = 1.0;
   FILE = "D02KH012",smfactor = 1.0;
   FILE = "D02KH013",smfactor = 1.0;  }


Using Standards

   File = "d02PR'014",
      AR1254 @ 0.05;

   File = "d02PR'013",
      AR1254 @ 0.150;

   File = "d02PR'012",
      AR1254 @ 0.300;

   File = "d02pra003",
      AR1248 @ 0.300;

   File = "d02pra004",
      ar1248 @ 0.150;

   File = "d02pra005",
      AR1248 @ 0.050;

   File = "d02pra006",
```

```
   File = "d0Zpra007",
      Ar1260 @ 0.150;

   File = "d0Zpra008",
      AR1260 @ 0.050;

{  File = "d01309",
      AR1221 @ 0.40;

   File = "D01310",
      AR1232 @ 0.200;

   File = "D01311",
      AR1242 @ 0.150;

   File = "D01312",
      AR1248 @ 0.150;

   File = "D01308",
      AR1016 @ 0.150,
      AR1260 @ 0.150;

   File = "D01307",
      Toxaphene @ 0.500;

   File = "D01305",
      DBC @ 0.05;    }
```

wed sept 6, D02PR1011 AR1248 150ng/u
Area response 1-7 peaks = 65949.
% Difference from D02PRA003
= 5.6%

Quantitation Report

AR1248 Curve # 3

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error	Calibration Factor
d0Zpra003	N/A	1194833	0.30000	0.29350	2.17	3982776
d0Zpra004	N/A	624725.4	0.15000	0.15346	-2.25	4164835
d0Zpra005	N/A	203266.5	0.05000	0.04993	0.14	4065329

Average Percent Error is 1.519664E+00

Average response factor was calculated from summation of components 1 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = Peak Area / 4070980
Percent Relative Standard Deviation is 7.24
Blank correction of 0.000000E+00ng/ul is used.

Quantitation Report

AR1248 Curve # 0

File Name	Ret. Time	Standard Response	Standard Concs (µg/ml)	Calculated Concs	Percent Error
d0Zpra003	N/A	1194833	0.30000	0.29835	0.55
d0Zpra004	N/A	624725.4	0.15000	0.15413	-2.68
d0Zpra005	N/A	203266.5	0.05000	0.04752	4.96

Average Percent Error is 2.730463E+00

Linear regression was calculated from summation of components 1 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 1.540901E+04) /

Correlation Coefficient is 9.995903E-01
Blank correction of 0.000000E+00ng/ul is used.

Quantitation Report

AR1254 Curve # 0

File Name	Ret. Time	Standard Response	Standard Concs	Calculated Concs	Percent Error	Calibration Factor
d02PR'014	N/A	242581.6	0.05000	0.05282	-5.34	4851632
d02PR'013	N/A	696938.5	0.15000	0.15175	-1.15	4646256
d02PR'012	N/A	1284116	0.30000	0.27960	6.80	4280386

Average Percent Error is 4.429555E+00

Average response factor was calculated from summation of components 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = Peak Area / 4592758
Percent Relative Standard Deviation is 6.30
Blank correction of 0.000000E+00ng/ul is used.

Quantitation Report

AR1254 Curve # 0

File Name	Ret. Time	Standard Response	Standard Concs	Calculated Concs	Percent Error
d02PR'014	N/A	242581.6	0.05000	0.04641	7.19
d02PR'013	N/A	696938.5	0.15000	0.15599	-3.84
d02PR'012	N/A	1284116	0.30000	0.29760	0.80

Average Percent Error is 3.941399E+00

Linear regression was calculated from summation of components 2 3 4 5 6 7.
Concentrations are calculated from the equation
Concentration = (Peak Area - 5.016652E+04) / 4.146273E+06
Correlation Coefficient is [illegible]
Blank correction of 0.000000E+00ng/ul is used.

Quantitation Report

AR1260 Curve # 0

File Name	Ret. Time	Standard Response	Standard Concs	Calculated Concs	Percent Error	Calibration Factor
d02pra006	N/A	1810603	0.30000	0.29679	1.07	6035343
d02pra007	N/A	957418.1	0.15000	0.15694	-4.42	6382787
d02pra008	N/A	294176.8	0.05000	0.04822	3.56	5883537

Average Percent Error is 3.016030E+00

Average response factor was calculated from summation of components 1 2 3 4 5 6 7 8.
Concentrations are calculated from the equation
Concentration = Peak Area / 6100556
Percent Relative Standard Deviation is 4.20
Blank correction of 0.000000E+00ng/ul is used.

AR1260 Curve # 0

ug/ml

File Name	Ret. Time	Standard Response	Standard Concs	Calculated Concs	Percent Error
d0Zpra006	N/A	1810603	0.30000	0.29753	0.82
d0Zpra007	N/A	957418.1	0.15000	0.15618	-3.96
d0Zpra008	N/A	294176.8	0.05000	0.04629	7.41

Average Percent Error is 4.063701E+00

Linear regression was calculated from summation of components 1 2 3 4 5 6 7 8.
Concentrations are calculated from the equation
Concentration = (Peak Area - 1.475313E+04) / 6.035877E+06
Correlation Coefficient is [illegible]
Blank correction of 0.000000E+00ng/ul is used.

Continuing for 14-1254
All < 10.0%

```
RIVERA> li,ck.doc
 Continuing calibration check for D02A
 Initial D02PR'013
 AR1254 150NG/ML was injected Wed Sep  6, 1989 10:06:44 pm
 Continuing D02PR''007
 ar1254 150ng/ml was injected Thu Sep  7, 1989  3:57:22 pm
```

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1254 (2 3 4 5 6 7)				
696939	639231	-8.28	1439506	1370267	-4.81
	DBC * (Not in both standards!) *				

```
Continuing calibration check for D02A
Initial D02PR'013
AR1254 150NG/ML was injected Wed Sep  6, 1989 10:06:44 pm
Continuing D02PR''011
AR 1254 was injected Fri Sep  8, 1989  9:28:49 am
```

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1254 (2 3 4 5 6 7)				
696939	656706	-5.77	1439506	1399009	-2.81
	DBC * (Not in both standards!) *				

```
Continuing calibration check for D02A
Initial D02PR'013
AR1254 150NG/ML was injected Wed Sep  6, 1989 10:06:44 pm
Continuing D02PR''017
AR 1254 150ng/ml was injected Fri Sep  8, 1989  1:15:36 pm
```

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1254 (2 3 4 5 6 7)				
696939	665518	-4.51	1439506	1403442	-2.51
	DBC * (Not in both standards!) *				

```
Continuing calibration check for D02A
Initial D02PR'013
AR1254 150NG/ML was injected Wed Sep  6, 1989 10:06:44 pm
Continuing D02PR''023
AR1254 150NG/ML was injected Fri Sep  8, 1989  6:33:40 pm
```

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1254 (2 3 4 5 6 7)				
696939	685220	-1.68	1439506	1404083	-2.46
	DBC * (Not in both standards!) *				

AR1254 150NG/ML was injected Wed Sep 6, 1989 10:06:44 pm
Continuing D02PR''029
AR1254 150NG/ML was injected Fri Sep 8, 1989 10:52:51 pm

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
AR1254 (2 3 4 5 6 7)					
696939	681266	-2.25	1439506	1411654	-1.93
DBC * (Not in both standards!) *					

Continuing calibration check for D02A
Initial D02PR'013
AR1254 150NG/ML was injected Wed Sep 6, 1989 10:06:44 pm
Continuing D02PR''034
AR1254 150NG/ML was injected Sat Sep 9, 1989 2:30:00 am

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
AR1254 (2 3 4 5 6 7)					
696939	649521	-6.80	1439506	1371962	-4.69
DBC * (Not in both standards!) *					

Continuing A-1248 A-1660
< 10.0%

RIVERA> li,ck.doc
Continuing calibration check for D02A
Initial D02PRA004
AR1248 150NG/ML was injected Sun Sep 10, 1989 9:40:57 pm
Continuing D02PRA017
AR1248 150NG/ML was injected Mon Sep 11, 1989 6:57:33 am

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1248 (1 2 3 4 5 6 7)				
624725	620942	-0.61	2222787	2216736	-0.27
	DBC (Individual Peak)				
621013	588845	-5.18	603662	599530	-0.68

Continuing calibration check for D02A
Initial D02PRA004
AR1248 150NG/ML was injected Sun Sep 10, 1989 9:40:57 pm
Continuing D02PRA021
AR1248 150NG/ML was injected Mon Sep 11, 1989 1:10:58 pm

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1248 (1 2 3 4 5 6 7)				
624725	624552	-0.03	2222787	2202603	-0.91
	DBC (Individual Peak)				
621013	621920	0.15	603662	599674	-0.66
	AR1260 * (Not in both standards!) *				

Continuing calibration check for D02A
Initial D02PRA007
AR1660 150NG/ML was injected Sun Sep 10, 1989 11:48:37 pm
Continuing D02PRA018
AR1260 150NG/ML was injected Mon Sep 11, 1989 7:40:35 am

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1260 (1 2 3 4 5 6 7 8)				
957418	959015	[illegible]	1599524	1593087	-0.40
	DBC (Individual Peak)				
616825	626530	1.61	615027	617610	0.42

Continuing calibration check for D02A
Initial D02PRA017
AR1248 150NG/ML was injected Mon Sep 11, 1989 6:57:33 am
Continuing D02PR'011
AR1248 150NG/ML was injected Wed Sep 6, 1989 8:41:08 pm

Area			Height		
Initial	Continuing	% Diff	Initial	Continuing	% Diff
	AR1248 (1 2 3 4 5 6 7)				
620942	659497	6.21	2216736	2334017	5.29
	DBC (Individual Peak)				
588845	610932	3.75	599530	594958	-0.76

METALS STANDARD CURVE DATA

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(Cu) PE 3030 9/11/89

Standards in ppm	Absorbance	X̄	
0	0.002 : 0.004	0003	
0.1	0.021 0.020	0.0205	cc = 0.9999907
1	0.166 : 0.165	0.1655	sl = 0.1612368
2	0.325 : 0.327	0.326	
4	0.596 : 0.593	0.5945	cc = 0.9996064
5	0.717 : 0.711	0.714	sl = 0.1300357

Check Standards #1 Abs @ 0.322 Conc. @ 2.0 1.95 ÷ 2 = 95% ok

#2 0.320 2.0 1.94 ÷ 2 = 97% ok

C.E. Environmental 60056-17 Soils

Lab #	Abs	(Dilutions)	µg/ml = mg/l	Vol	Conc. µg	(3x DSF)* Vol	µg/g	
LB-1	0.005		<0.1	25ml	<2.5	3	<0.8	lod
2	0.008		↓	↓	↓	↓	↓	
R-1	0.088		0.5					
2	0.089		0.5 / 2					
763186	0.109		~~0.7~~ 0.65		µg 16.25 ~~17.5~~	2.43	~~7.2~~ 6.7	1.0
87	0.091		~~0.5~~ 0.53		13.25 ~~12.5~~	2.46	~~5.1~~ 5.4	1.0
88	0.141		~~0.9~~ 0.85		21.25 ~~22.5~~	2.28	~~9.9~~ 9.3	1.1
89	0.067		~~0.4~~ 0.39		9.75 ~~10.0~~	2.46	~~4.1~~ 4.0	1.0
90A	0.051		~~0.3~~ 0.29		7.25 ~~7.5~~	1.98	~~3.8~~ 3.7	1.3
B	0.062		~~0.4~~ 0.36		9.00 ~~10.0~~	1.98	4.5	1.3
92	0.060		~~0.3~~ 0.35		8.75 25	2.13	4.1	1.2
93	0.057		~~0.3~~ 0.33		8.25 ~~7.5~~	2.28	3.6	1.1
94	0.062		~~0.4~~ 0.36	↓	9.00 ~~10.0~~	2.10	4.3	1.2

* DSF = 1 − [% moisture ÷ 100]

Continued

(Zn) PE3030 9/11/89 JVH

Stds in ppm	Abs		$\bar{x}$	
0	0.002	0.001	0.0015	
0.5	0.027	0.027	0.027	
2	0.077	0.076	0.0765	cc = 0.9993275
5	0.249	0.248	0.2485	sl = 0.0491
10	0.498	0.498	0.498	
15	0.728	0.726	0.727	

Check Standard Conc @ 5.0ppm Abs @ 0.242 4.987 ÷ 5 = 100% ok

C.E. Environmental 60056-17 Water

Lab #	Abs	mg/L	Vol	Conc mg/L
LB-1	0.007	<0.5	200→20mL	<0.05
R-1	0.240	4.9/5		99 %
2	0.261	5.4/5		107
763117	0.019	<0.5		<0.05
19	0.115	2.4		0.24
20	0.037	0.8		0.08
21	0.289	5.9		0.59
22	0.300	6.2		0.62
23 A	0.203	4.2		0.42
B	0.188	3.9		0.39
24	0.068	1.4		0.14

Continued

PE 3030 9/11/89 LA (Cu)

Continued

C.E. Environmental 60056-17 Water

Lab#	Abs	(Dilutions)	µg/mL	Vol	µg/mL	dot (3-005)*	µg/g
CB-1	0.001		<0.1	200→20mL	<0.01		
R-1	0.398		2.5/2.5		101 %		101 %
2	0.407		2.6		104		104
763117	0.057		0.3		0.03		
~~18~~							
19	0.281		1.7		0.17		
20	0.022		0.1		0.01		
21	0.296	1/4	7.2		0.72		
22	0.372	1/4	9.4		0.94		
23A	0.394	1/2	5.0		0.50		
B	0.389	1/2	4.9		0.49		
24	0.109		0.7		0.07		

*~~DSF = 1 − [% moisture ÷ 100]~~

PE 3030 9/11/89 JLL (Zn)

Continued

C.E. Environmental 60056-17 Soil

Lab*	Abs	ug/ml	Vol	ug	(3x DOF)*	ug/g	lods
LB-1	0.003	<0.5	25ml	<12.5	3	<4	<4 ug/g
2	0.005	↓		↓	3	↓	↓
R-1	0.051	1.1 /4				—	
2	0.051	1.1				—	
763186	0.134	2.79		69.75	2.43	29	~~23~~ 5
87	0.114	2.38		59.50	2.46	24	20
88	0.260	5.35		133.75	2.28	59	~~45~~
89	0.132	2.75		68.75	2.46	28	~~23~~
90 A	0.087	1.83		45.75	1.98	23	~~15~~ 6
B	0.106	2.22		55.50	1.98	28	~~19~~ ↓
91	~~0.111~~						
92	~~0.083~~ 0.111	2.32		58.00	2.13	27	~~14~~ 6
93	0.083	1.75		43.75	2.28	19	~~15~~ 5
94	0.079	~~1.66~~ 1.66		41.50	2.10	20	~~14~~ 6

* DOF = 1 − [%moisture ÷ 100]

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LH

(Hg) PE 3030 9/11/89

Std. in ppm	Abs	$\bar{x}$	
0	0.002 ! 0.002	0.002	
0.001	0.011	0.011	
0.0025	0.027 : 0.023	0.025	
0.005	0.048	0.048	CC = 0.9990071
0.007	0.068 : 0.066	0.067	S_l = 8.7044038
0.01	0.093 : 0.080	0.0865	
0.015	0.141 ; 0.127	0.134	

C.E. Environmental 60056-17 H_2O

Lab #	Abs	ug/ml	Vol	
(Soil) LB-1	0.002	<0.001	100ml → 100ml	<0.001 mg/l
LB-2	0.009	↓		↓
P-1	0.050	0.054 / 0.005		108 %
2	0.044	0.0047 / 0.005		94 %
763117	0.002	<0.001		<0.001
19	0.001			
20	0.001			
21	0.002			
22	0.002			
23	0.002			
24	0.001			

Continued

PE 3030 continued

9/11/89

(Hg)

C.E. Environmental 60056-17 Soil

Lab #	Nos	ug/ml	Vol	ug	core ug/g	(2 x DSF) (3 x DSF)* 1.62 2.43	mg/g <0.06 <0.04	Lab 0.06
763186A	0.006	<0.001	20 ml 100ml	<0.1	<0.05	↓ 1.64 2.46	↓	↓
B	0.007					↓		0.06
87A	0.008							↓
B	0.008					1.52 2.28	<0.07	0.07
88A	0.008					↓	↓	↓
B	0.009					1.64 2.46	<0.06	0.06
89A	0.007					↓	<0.09	0.06
B	0.016	0.001		0.1	0.05		<0.08	0.08
90A	0.009	<0.001		<0.1	<0.05	1.32 1.98	<0.05	<0.05
B	0.008					↓	↓	!
92A	0.007					1.42 2.13	<0.07	
B	0.007					↓	↓	Not
93A	0.007					1.57 2.35 2.73	<0.04	Needed
B	0.005					↓ ↓	↓	
94A	0.007					1.40 2.10	<0.05	
B	0.006					↓	↓	

* DSF = 1 - [% moisture ÷ 100]

(AG) PE 3030 9/12/89

Stds in ppm	Abs		$\bar{x}$
0	0.001	0.000	0.0005
0.05	0.012	0.011	0.0115
0.1	0.025	0.023 ~~0.024~~	0.0245
0.5	0.126	0.127	0.1265
1.0	0.244	0.248	0.246
1.5	0.364	0.368	0.366

cc = 0.99992 se = 0.244

Check std Conc @ 1.0 Abs @ 0.237 0.966 : 1 97% ok

C.E. Environmental 60056-17 Water

Lab #	Abs	mg/me	ul 200 → 20me ~~100 → 10cmt~~	mg/me
LB-1	0.001	<0.05		<0.005
R-1	0.060	0.24 / 1.25		19 %
2	0.103	0.42		34 %
763117	0.003	<0.05		<0.005
19	0.008			
20	0.005			
21	0.004			
22	0.006			
23A	0.006			
B	0.005			
24	0.006			

Continued

JLH

PE 3030 continued

9/12/89

(Ag)

C.E. Environmental 60056-17 Soil

Lab #	lbs	µg/mL	Vol	µg	(3x DSf)*	µg/g	Dobs
LB-1	0.001	<0.05	25mL	<1.25	3	<0.4	<0.4
2	0.001	↓	↓	↓	↓	↓	↓
R-1	0.056	0.23					
2	0.057	0.23					
763186	0.005	<0.05		<1.25	2.43	<0.5	<0.5
87	0.004				2.46		
88	0.004				2.28		
90A	0.005				~~2.46~~ 1.98	<0.6	<0.6
B	0.007				↓	↓	↓
Dups: 89	0.009				2.46	<0.5	<0.5

* DSf = 1 − [%moisture ÷ 100]

200

(Pb) PE 3030 9/12/89 JLH

Stds in ppm	Abs	$\bar{x}$
0	−0.005 , −0.004	−0.0045
0.2	0.009 , 0.009	0.009
1	0.061 , 0.059	0.060
2	0.124 , 0.122	0.123
4	0.242 , 0.235	0.2385
6	0.350 , 0.340	0.345

~~CC=0.9994 Sl= 0.0584~~

CC= 0.9997
Sl= 0.0636

CC= 0.9997
Sl= 0.0555

Check Standard Conc @ 2 Abs @ 0.128 ~~2.04~~ ~~104%~~ ok
2.06 ÷ 2 = 103%

C.C. Environmental

Lab #	Abs	µg/ml = mg/l
LB-1	−0.001	<0.2
R-1	0.320	5.5 / 5
2	0.305	5.2
763117	−0.001	<0.2
19	0.004	
20	−0.001	
21	0.031	0.5
22	0.010	<0.2
23 A	0.006	
B	−0.002	
24	0.002	

60056-17
Vol
200-720 ml

Water mg/l

<0.02
110 %
105 ~~104~~
<0.02
0.05
<0.02

Continued

PE 3030 9/12/89 VLH (P6)
Continued

C.E. Environmental G0056-17 Soil

Lab #	Wt g	ug/mL	Vol	ug	(3)(DSF)*	ug/g	lods
LB-1	-0.005	<0.2	25mL	<5	3	<2	<2
2	-0.003	↓		↓	3	↓	↓
R-1	0.058	~~0.99~~ .91					
2	0.060	~~1.03~~ 1.01					
763 186	0.035	~~0.6~~ ~~0.60~~ 0.61		15	2.43	6.	~~5~~ 2
87	0.030	~~0.51~~ 0.53		13	2.46	5.	~~4~~ 2
88	0.033	~~0.56~~ 0.58		14	2.28	6	~~5~~ 2
89	0.175	~~2.1~~ 2.03		~~53~~ 51	2.46	~~22~~ 31	~~8~~ 2
90A	0.050	0.85		21	1.98	11	~~7~~ 3
B	0.061	1.02		26	↓	13	12 ave 3
92	0.078	~~1.3~~ 1.29		~~33~~ 32	2.13	15	2
93	0.049	~~0.84~~ 0.83		21	2.28	9	2
94	0.055	~~0.94~~ 0.93		23	2.10	11	2

* DSF = 1 - [% moisture ÷ 100]

202

(Cd) PE3030 ~~SH~~ 9/12/89 LH

Stds ug/mL	Abs		$\bar{x}$	
0	-0.001	-0.001	-0.001	
0.02	0.009	0.010	0.0095	cc = 0.99998 Sl = 0.5448
0.1	0.055	0.055	0.055	
0.5	0.272	0.271	0.2715	
1.0	0.504	0.505	0.5045	cc = 0.99998 Sl = 0.460
1.5	0.731	0.732	0.7315	

Check Std Conc @ 0.5 Abs @ 0.266 0.4896 ÷ 0.5 x 100 = 98% ok

C.E. Environmental 60056-17 Water

Lab #	Abs	ug/mL = mg/L	Vol	Conc mg/L
763117	-0.001	<0.02	200→20	<0.002
19	0.008			
20	0.002			
21	0.007			
22	0.002			
23A	0.003			
B	0.001			
24	0.006			
LB-1	0.000	<0.02		<0.002
R-1	0.612	1.24		99 %
2	0.603	1.22 / 1.25		97 %

Pt 3030 9/12/89 VLH (cd)

Continued

C.E Environmental 60056-17 SO.1

Lab #	Abs	µg/ml	Vol	µg	(3x DL)*	µg/g	lod
LB-1	0.000	<0.02	25	<0.5	3	<0.2	~~0.2~~ 0.2
2	-0.001	<0.02		<0.5	↓	↓	↓
R-1	0.136	0.25/		-			
2	0.137	0.25/ ↓		-			
763 186	0.010	<0.02		<0.5	2.43	<0.2	0.2
87	0.027	0.051		~~1.25~~ 1.28	2.46	0.5	|
88 ~~89 88~~	0.009	<0.02		<0.5	2.28	<0.2	|
89 ~~90A~~	0.015	~~0.03~~ ~~0.03~~ 0.024		~~0.75~~ 0.725	2.46	0.3	↓
90A ~~B~~	0.005	<0.02		<0.5	1.98	<0.3	0.3
B	0.003	↓	↓	↓	↓	↓	↓

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(Ba) Varian AA-20 9/13/89 JLH

All initial Concentrations have been calculated by the Instrument

C.E. Environmental 60056-17 Water

Lab #	Conc	Vol	Conc mg/l
LB-1	<0.5	200	<0.05
L-1	0.56	420	102 104 %
2	2.7 / 2.5		108 108 %
763 117	<0.5		<0.05
19	2.3		0.23
20	1.8		0.18
21	1.0		0.10
22	1.7		0.17
23A	1.3		0.13
B	1.3		0.13
24	1.2		0.12
	(90.14)		

		Vol	µg	(3x DSE)*	µg/g	lod
CB-1	<0.5	25ml	<12.5	3	<4	<4
2	↓		↓	↓	↓	↓
L-1	0.53				—	
2	0.53/2				—	
763 186	2.75		~~67.5~~ 68*	2.43	28	5
87	2.34		~~57.5~~ 58.5	2.46	~~23~~ 24	5
88	2.40		60.0	2.28	26	5
89	~~25~~ 1.05		~~25~~ 26.3	2.46	10 11	5
90A	1.436		~~35~~ 34.0	1.98	18 17	6
B	1.32		33.0	↓	16 17	6
check	1.799/2	90%				

*DSE = 1 − [% moisture ÷ 100]

DE 3030 9/13/89 JLY

(Cr)

Stds in ppm	Abs		$\bar{x}$	
0	0.002	0.002	0.002	
0.2	0.014	0.014	0.014	
0.5	0.033	0.030	0.0315	cc = 0.9997 SD = 0.0595
2	0.126	0.128	0.127	
5	0.307	0.308	0.3075	
7	0.415	0.415	0.415	

Check std conc @ 2 Abs @ 0.122 1.99 : 2 = 99% ok

C.E. Environmental 60056-17 H_2O

Lab #	Abs	mg/l = µg/g	Vol	conc mg/L
LB-1	0.001	<0.2	200 → 20mL	<0.02
R-1	0.302	5.0/5		100 %
2	0.312	5.2/5		104
763117	0.003	<0.2		<0.02
19	0.002			
20	0.004			
21	0.003			
22	0.002			
23A	0.003			
B	0.007			
24	-0.001			

Continued

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(4) PE 3030 continues

B 9/13/89

C.E. Environmental

Lab ##	Abs	µg/g	Vol	60056-17 µg/g	(5xDSC)*	So.1 µg/g	lod
LB-1	0.001	<0.2	25ml	<5	3	<2	2
2	0.005	↓		↓	3	↓	↓
2-1	0.066	1.05/4				—	
2	0.061	0.96/4				—	
763186	0.035	0.53		13.25	2.43	5	2
87	0.034	0.51		12.75	2.46	5	2
88	0.032	0.48		12	2.28	5	2
89	0.017	0.22		5.5	2.46	2	2
70A	0.014	<0.2		<5	1.98	<3	<3
B	0.014	<0.2		↓	1.98	↓	↓

Varian AA-20 9/13/89 (SE)

Initial Concentrations have been Calculated by the Instrament

C.E. Environmental 60056-17 Water

Check Std Conc @ ~ 0.040 100%

Water	Conc	Vol	Conc mg/L
LB-1	<0.020	200→20ml	<0.002
R-1	0.040 ÷ 0.04		100 %
2	0.038 ÷ 0.04		95 %
763117	<0.02		<0.002
19			
20			
21			
22			
23A			
B			
24			

Soil	~~Conc~~ Conc	Vol	mg	(3x DSD)*	mg/g	Dod
LB-1	<0.02	25ml	<0.5	3	<0.2	<0.2
R-1	↓	↓	—	—	—	—

Varian AA-20 9/13/89 SE

Initial Conc. have been calc'd by the Instrument

Lab #	Conc	Dilution	Vol	ug	(3x DSD)*	ug/g	Log
LB-1	<0.02	1/5	25ml	<2.5	3	<0.8	0.8
2					↓	↓	↓
R-1					—	—	—
2		↓			—	—	—
763186		1/5			2.43	<1.0	1.0
87					2.46	↓	1.0
88					2.26	<1.1	1.1
89					2.46	<1.0	1.0
90A					1.98	<1.3	1.3
B					↓	↓	↓
92					2.13	<1.2	1.2
93					2.28	<1.1	1.1
94	↓	↓	↓	↓	2.10	<1.2	1.2

Check std conc @ 0.037 spike @ 0.040 0.037 ÷ 0.040 = 93%

212

(As) Varian AA-20 9/13/89

Initial Conc. Calc'd by Instrament

C.E. Environmental W0056-17 water

Lab#	Conc	Vol	Conc
LB-1	<0.020	200→20mL	<0.002 mg/L
R-1	0.043 ± 0.040		108 a, 120 b } 114% ave
2	0.048 ± 0.040		
763117	<0.020		<0.002
119	0.075		0.008
120	0.060		0.006
122	over		—
~~123A~~	~~0.021~~		~~0.007~~
B	<0.020		<0.002
~~124~~	~~0.021~~		~~0.002~~

all ppg 214

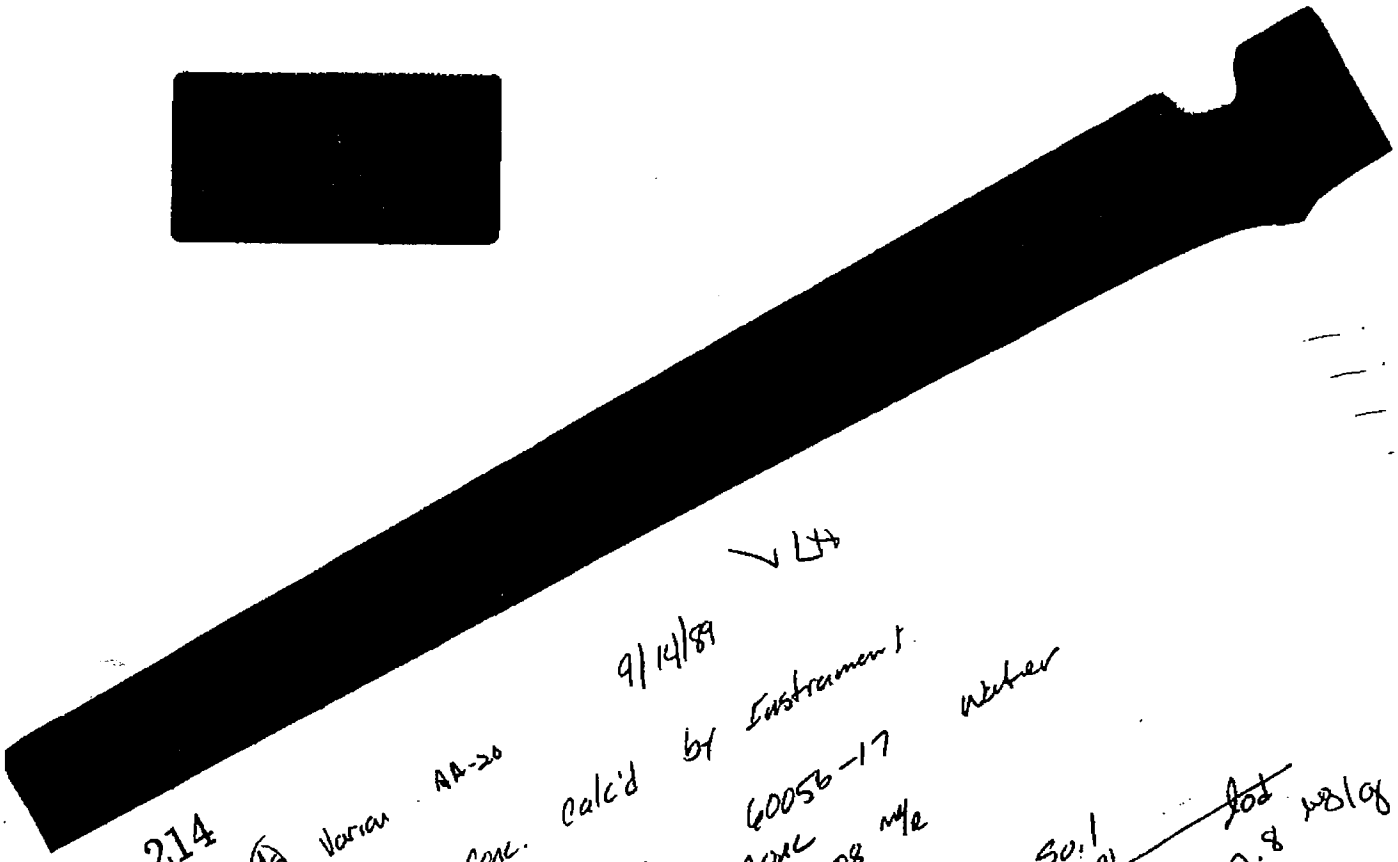
C.E. (So. 13)

Lab#	Conc	D.F	Vol	µg	(3x DS)*	µg/g	lod	
LB-1	<0.020	1/5	25	<2.5	3	<0.8	0.8	
2					3			
R-1					—	—	—	
2					—	—	—	
763186	over			—	2.43	—	—	
87	over			—	2.46	—	—	
88	0.050			0.25	2.28	2.7	~~2.1~~ 1.1	
89	0.020			2.5	2.46	1.0	~~0.8~~ 1.0	
90A	0.023			2.875	1.98	1.5	~~1.0~~ 1.3	
B	0.022			2.75		1.4	~~0.9~~ 1.3	
92	<0.020			<2.5	2.13	1.2	0.8	
93					2.28	1.1	0.8	not needed
94	0.030			3.75	2.10	1.8	1.25	

Water

763121 <0.020 200→20mL <0.002 mg/L

continued



214 (AS) Varian AA-20 9/14/89

Initial Conc. calc'd by Instrument

C.E. Environmental 60056-17 water

Lab #	Conc	Dilution	Vol	Conc	
763122	0.055	1/5	200→20	0.028	mg/L
123	<0.020		↓	<0.002	↓
124					
~~Lab #~~	~~Conc~~	~~Dilution~~	~~Vol~~	~~mg~~	~~Conc~~ * 50.1 = ~~Tot~~ ~~µg/g~~
~~763186~~					LOD = 0.8 µg/g
~~87~~					
763186	0.039	1/5	25mL	4.88	2.0
87	0.048	↓	↓	6.00	2.4

2.43	1.0
2.46	1.0

Varian AA-20 9/14/89 CH (AS)

Instrument has Calc'd Initial Concentrations

	C.E. Environmental	60056-17		So, l		2.1	Rod	
763186	0.040 1/5 dilution	0.20 ug/ml	25ml	5µg	÷2.43	~~2.47~~	~~2~~ 1.0	
87	0.035	0.175	↓	4.4	÷2.46	~~2~~ 1.7	1.0	
	Pvs Chemicals	60461-17						
768090	0.043 1/2	0.086	5-50ml	0.009 mg/l				
				0.86				

Varian AA-20 9/14/89 (As)

Instrument has Calc'd Initial Concentrations

	C.E. Environmental	60056-17		50.1		2.1	Rod	
763186	0.040 ~~1/5~~	dilution	0.20 µg/ml	25ml	5µg	÷2.43	~~2.44~~ µg	~~2~~ 1.0
87	0.035 5	↓	0.175	↓	4.4	÷2.46	~~2~~ 1.7	1.0
	PVS Chemicals	60461-17						
768090	0.043 1/2		0.086	5-50ml	0.009 mg/l			
					0.86			

PERFORMANCE EVALUATION SAMPLE RESULTS

ORGANIC PERFORMANCE EVALUATION SAMPLE
INDIVIDUAL LABORATORY SUMMARY REPORT
FOR QB 2 FY 89

LABORATORY: Clayton Env. Consultants (MI)
PERFORMANCE: ACCEPTABLE - Response Explaining Deficiency(ies) Required
RANK: Above = 37 Same = 2 Below = 25

% SCORE: 85.8
REPORT DATE: 03/21/89
MATRIX: WATER

COMPOUND	CONFIDENCE INTERVALS WARNING LOWER	WARNING UPPER	ACTION LOWER	ACTION UPPER	LABORATORY DATA CONC	Q	#LABS MIS-QNT	PROGRAM #LABS NOT-ID	DATA #LABS ID-CPD	TOTAL #LABS
TCL VOLATILE										
CHLOROMETHANE	36	96	28	105	72		8	0	65	65
VINYL CHLORIDE	15	29	13	31	24		6	0	65	65
METHYLENE CHLORIDE	NU	NU	NU	NU	21		0	0	65	65
ACETONE	NU	NU	NU	NU	83		0	16	49	65
1,1-DICHLOROETHANE	10	14	9	15	12		4	0	65	65
1,2-DICHLOROETHENE (TOTAL)	15	22	14	23	21		6	0	65	65
CHLOROFORM	9	12	8	13	11		2	0	65	65
1,2-DICHLOROETHANE	8	13	8	13	11		5	3	62	65
2-BUTANONE	NU	NU	NU	NU	31		0	26	39	65
1,1,1-TRICHLOROETHANE	8	11	7	11	9		5	0	65	65
CARBON TETRACHLORIDE	6	11	6	11	10		4	1	64	65
TRICHLOROETHENE	8	11	7	11	9		5	0	65	65
BENZENE	8	11	8	12	10		4	0	65	65
TETRACHLOROETHENE	7	11	7	12	9		4	0	65	65
TOLUENE	8	11	7	12	10		3	0	65	65
CHLOROBENZENE	8	11	8	12	10		3	0	65	65
ETHYL BENZENE	NU	NU	NU	NU	5	U	0	32	33	65
TCL SEMIVOLATILE										
PHENOL	NU	NU	NU	NU	10	U	0	8	57	65
BIS(2-CHLOROETHYL)ETHER	28	43	26	51	34		3	0	65	65
2-CHLOROPHENOL	24	42	22	51	42		2	0	65	65
1,3-DICHLOROBENZENE	NU	NU	NU	NU	10	U	0	65	0	65
1,4-DICHLOROBENZENE	21	35	20	37	37	$	5	0	65	65
1,2-DICHLOROBENZENE	11	18	10	21	16		1	0	65	65
N-NITROSO-DI-N-PROPYLAMINE	28	43	26	51	36		2	1	64	65
BENZOIC ACID	50	177	50	254	58		1	5	60	65
NAPHTHALENE	11	17	10	21	15		2	0	65	65
4-CHLOROANILINE	18	46	14	50	29		9	5	60	65
HEXACHLOROBUTADIENE	18	31	16	37	29		4	0	65	65
2-METHYLNAPHTHALENE	11	17	10	20	15		3	0	65	65
2,4,5-TRICHLOROPHENOL	87	138	80	165	140	$	3	0	65	65
2-CHLORONAPHTHALENE	11	18	10	22	16		1	0	65	65
ACENAPHTHYLENE	13	19	12	20	16		7	0	65	65
ACENAPHTHENE	13	19	12	20	18		6	0	65	65
4-NITROPHENOL	50	218	50	311	94		0	0	65	65
DIETHYLPHTHALATE	16	96	10	107	65		1	1	64	65
4-CHLOROPHENYL PHENYL ETHER	33	51	30	54	50		4	0	65	65
FLUORENE	13	20	12	21	19		4	0	65	65
4-NITROANILINE	51	125	50	136	79		5	0	65	65
4-BROMOPHENYL PHENYL ETHER	49	76	45	90	78	$	4	1	64	65
PENTACHLOROPHENOL	53	90	50	96	87		3	0	65	65
PHENANTHRENE	13	20	12	21	20		5	0	65	65
ANTHRACENE	13	19	12	20	20	$	11	0	65	65
DI-N-BUTYLPHTHALATE	16	142	10	160	130		0	0	65	65
FLUORANTHENE	12	18	11	22	20	$	3	0	65	65
PYRENE	12	19	11	20	19		5	0	65	65
BENZO(A)ANTHRACENE	11	18	10	21	19	$	1	1	64	65
CHRYSENE	13	20	12	21	20		5	0	65	65
BENZO(B)FLUORANTHENE	11	19	10	20	20	$	9	0	65	65
BENZO(K)FLUORANTHENE	11	21	10	23	24	X	10	0	65	65
BENZO(A)PYRENE	11	17	10	21	19	$	11	1	64	65
INDENO(1,2,3-CD)PYRENE	10	18	10	21	24	X	2	2	63	65
DIBENZ(A,H)ANTHRACENE	10	18	10	22	23	X	1	2	63	65
BENZO(G,H,I)PERYLENE	10	18	10	22	27	X	2	2	63	65
TCL PESTICIDES										
4,4'-DDE	2.6	5.7	2.2	6.1	5.3		6	0	65	65

ORGANIC PERFORMANCE EVALUATION SAMPLE
INDIVIDUAL LABORATORY SUMMARY REPORT
FOR QB 2 FY 89

LABORATORY: Clayton Env. Consultants (MI)
PERFORMANCE: ACCEPTABLE - Response Explaining Deficiency(ies) Required
RANK: Above = 37 Same = 2 Below = 25

% SCORE: 85.8
REPORT DATE: 03/21/89
MATRIX: WATER

COMPOUND	CONFIDENCE INTERVALS WARNING LOWER	WARNING UPPER	ACTION LOWER	ACTION UPPER	LABORATORY DATA CONC	Q	#LABS MIS-QNT	PROGRAM #LABS NOT-ID	DATA #LABS ID-CPD	TOTAL #LABS
4,4'-DDD	2.8	6	2.3	6.5	5.3		8	0	65	65
TOXAPHENE	4.7	11	3.8	12	11		6	17	48	65
NON-TCL SEMIVOLATILE										
ATRAZINE					40			13	52	65
BENZOPHENONE					90			6	59	65
CARBAZOLE					60			25	40	65
NON-TCL SEMIVOLATILE (Contaminants)										
BENZENE,1,1-(DICHLOROETHELIDENE)-BI					10	C		64	1	65

OF TCL COMPOUNDS NOT-IDENTIFIED: 0
OF TCL COMPOUNDS MIS-QUANTIFIED: 4
OF TCL CONTAMINANTS: 0

OF NON-TCL COMPOUNDS NOT-IDENTIFIED: 0
OF NON-TCL CONTAMINANTS: 1

ORGANIC PERFORMANCE EVALUATION MATERIAL SCORING PROCEDURE

OVERVIEW:

An integral responsibility of the Contract Laboratory Program's (CLP) quality assurance program is the monitoring of the CLP contractor's continuing ability to produce acceptable analytical data. To assist in this process, the EMSL-LV, under the direction of the CLP National Program Office (NPO), prepares and ships Performance Evaluation Materials (PEM) each quarter to all contract laboratories. Contractors are required to analyze the PEM and return data packages within the contract-required turn-around time. The PEM results are evaluated and summarized by the EMSL-LV. The EMSL-LV forwards the PEM results to the NPO and the Deputy Project Officers (DPO). The NPO, in conjunction with the DPO, determines the appropriate remedial action(s) when the PEM results are unacceptable.

NOTE: If determined that unusual problems occurred with either the PEM or the scoring procedures, the CLP National Program Office reserves the right to adjust scores for any PEM study.

COMPOUNDS ADDED TO THE PEM:

Compounds added to the PEM are classified into two different groups:

1) Target Compound List (TCL) Compounds -- Compounds included on the Target Compound List in Exhibit C of the contract Statement-of-Work. The EMSL-LV adds TCL compounds to matrices that mimic the type of samples analyzed by the CLP. Points are deducted when a TCL compound is not identified, when a TCL compound is mis-quantified, or when a TCL compound that has not been added to the matrix is identified by the contractor (See, "Scoring Procedures Used for Classifying a TCL Compound as a TCL Contaminant").

2) Non-TCL Compounds (non-TCL), also referred to as Tentatively Identified Compounds (TIC) -- Compounds which are not included on the Target Compound List in Exhibit C of the contract Statement-of-Work, but are contaminants found in the environment. A contractor identifies the compounds using a forward library search routine which compares the sample compound spectra against spectra in the National Bureau of Standards (NBS) Mass Spectral Library. The EMSL-LV adds TIC compounds to matrices that mimic the type of samples analyzed by the CLP. Points are deducted when a TIC compound is not identified or when a TIC compound that has not been added to the matrix is identified by the contractor (See, "Scoring Procedures Used for Classifying a Non-TCL Compound as a Non-TCL Contaminant").

GENERAL SCORING PROCEDURE COMMENTS:

The following comments apply to the scoring procedure discussed in this enclosure.

For the TCL and TIC identification scoring procedures, the NPO reserves the right to delete compounds from the study if a large percentage of the contractors do not identify the compounds.

Confidence intervals (CI) for TCL compounds are derived from the CLP contractor-submitted values, using statistical procedures. When determining the CI for a TCL compound, if the lower CI limit is less than the Contract Required Quantitation Limit (CRQL) for the compound, the lower CI limit is set to the CRQL. If the upper CI limit is less than the CRQL for the compound, the compound is not included in the scoring procedure. For information concerning the statistical procedures used to develop the CI for the CLP PEM program, contact Larry Butler, at the EMSL-LV.

For the TCL and TIC contaminant classification procedures, the NPO will not deduct points if the NPO determines that the contaminant was a breakdown product from the compounds added to the PEM or that the matrix used to prepare the PEM contained the contaminant.

SCORING ALGORITHMS:

The following algorithms are used to score the full-organic and the volatiles (VOA)-only PEM:

Algorithm 1 (Full-organic PEM):

$$\text{Score} = 100 - \left[\left[\frac{150 * (2A + B + C)}{X} \right] + \left[2.2 * (D + E) \right] \right]$$

Algorithm 2 (VOA-only PEM):

$$\text{Score} = 100 - \left[\left[\frac{100 * (2A + B + C)}{X} \right] + \left[2.2 * (D + E) \right] \right]$$

Where:

X = The number of TCL compounds, added to the PEM, which were included and scored in the PEM.

A = The number of TCL compounds, added to the PEM, which the contractor did not identify.

B = The number of TCL compounds, added to the PEM, which the contractor did not correctly quantify (value is not within the action CI).

C = The number of TCL compounds, not added to the PEM (contaminants), which the contractor identified.

D = The number of non-TCL (TIC) compounds, added to the PEM, which the contractor did not identify.

E = The number of TIC contaminants which the contractor identified.

The TIC term, [2.2 * (D + E)], is limited to a maximum deduction of 11 points.

SCORING PROCEDURES USED WHEN A CONTRACTOR DOES NOT IDENTIFY A TCL COMPOUND:

The following scoring procedures are used when a contractor does not identify a TCL compound added to the PEM:

1) If a contractor reports the CRQL (e.g., 10 U) for a TCL compound, and the CRQL is less than the lower limit of the action CI (e.g., 40 to 100), points are deducted.

2) If a contractor reports a detection limit value (e.g., 50 U) for a TCL compound, greater than the compound's CRQL (e.g., 20), and the contractor's detection limit value is included within or is greater than the limits of the action CI (e.g., 40 to 100), points are deducted.

SCORING PROCEDURES USED WHEN A CONTRACTOR DOES NOT IDENTIFY A NON-TCL COMPOUND:

The following scoring procedures are used when a contractor does not identify a TIC compound added to the PEM:

1) If a contractor does not identify a TIC compound added to the PEM, points are deducted.

2) For those TIC compounds which have similar mass spectra, if a contractor reports an isomer of the compound, points are not deducted.

SCORING PROCEDURE USED WHEN A CONTRACTOR DOES NOT CORRECTLY QUANTIFY A TCL COMPOUND:

The following scoring procedure is used when a contractor does not correctly quantify a TCL compound added to the PEM:

1) If a contractor reports a value for a TCL compound, not within the limits of the action CI, points are deducted.

SCORING PROCEDURES USED FOR CLASSIFYING A TCL COMPOUND AS A TCL CONTAMINANT:

A TCL contaminant is defined as an identification of a TCL compound that was not added to the PEM and was not in the matrix material used to prepare the PEM. The following scoring procedures are used when a contractor identifies a TCL contaminant.

1) If the TCL contaminant's concentration is reported as greater than the limit for the TCL compound, points are deducted. For the common solvents and the phthalate esters, the limit is defined as five times the compound's CRQL. For all other TCL compounds, the limit is defined as the compound's CRQL.

2) Note: Identification of TCL compounds added to the PEM will be classified as TCL contaminants when a) a CI was not calculated for the compound and b) the contractor reported an unusually high concentration of the compound.

SCORING PROCEDURES USED FOR CLASSIFYING A NON-TCL COMPOUND AS A NON-TCL CONTAMINANT:

A TIC contaminant is defined as an identification of a TIC compound that was not added to the PEM and was not in the matrix material used to prepare the PEM. The following scoring procedures are used when a contractor identifies a TIC contaminant.

1) If the TIC contaminant's concentration is reported as greater than the limit, points are deducted. For the TIC contaminants, the limits are: VOA water, 5 ppb; VOA soil, 5 ppb; semivolatiles (BNA) water, 10 ppb, and BNA soil, 330 ppb, at low concentrations.

2) Note: The TIC compounds added to the PEM are scored for identification only, regardless of reported concentration.

DESCRIPTION OF THE INDIVIDUAL LABORATORY SUMMARY REPORT

OVERVIEW:

The Individual Laboratory Summary Report (ILSR) summarizes the information from the CLP's quarterly PEM study. The report is comprised of two parts: contractor data summary and program data summary. Information from an individual CLP contractor is summarized in the contractor data summary. Information from all CLP contractors is summarized in the program data summary.

EXPLANATION OF ILSR HEADER INFORMATION:

Contractor Data Summary:

Header	Definition
LABORATORY	The contractor's name and location (state)
PERFORMANCE	A contractor's performance is classified into one of three categories. ACCEPTABLE, No Reponse Required: Score greater than or equal to 90 percent. ACCEPTABLE, Response Explaining Deficiency(ies) Required: Score greater than or equal to 70 percent and less than 90 percent. UNACCEPTABLE, Response Explaining Deficiency(ies) Required: Score less than 70 percent.
RANK	Ranking of CLP contractors' scores. Above = : Number of contractors whose scores were greater than that contractor's score. Same = : Number of contractors whose scores were equal to that contractor's score. Below = : Number of contractors whose scores were less than that contractor's score.
% SCORE	Percent score calculated using either the full-organic or the VOA-only PEM algorithm.
REPORT DATE	The date that the ILSR was printed. Format (month/day/year).
MATRIX	PEM matrix.

Contractor Data Summary (cont.):

Header	Definition
COMPOUND	The name of the compound. Compounds are categorized into 10 categories.
	TCL VOLATILE: All TCL VOA compounds added to the PEM are listed.
	TCL SEMIVOLATILE: All TCL BNA compounds added to the PEM are listed.
	TCL PESTICIDE: All TCL pesticide (PES) compounds added to the PEM are listed.
	NON-TCL VOLATILE: All TIC VOA compounds added to the PEM are listed.
	NON-TCL SEMIVOLATILE: All TIC BNA compounds added to the PEM are listed.
	TCL VOLATILE (Contaminants): All TCL VOA contaminants are listed. (For the definition of a TCL contaminant, see "Scoring Procedures Used for Classifying a TCL Compound as a TCL Contaminant".)
	TCL SEMIVOLATILE (Contaminants): All TCL BNA contaminants are listed.
	TCL PESTICIDE (Contaminants): All TCL PES contaminants are listed.
	NON-TCL VOLATILE (Contaminants): All TIC VOA contaminants are listed. (For the definition of a TIC contaminant, see "Scoring Procedures Used for Classifying a Non-TCL Compound as a Non-TCL Contaminant".)
	NON-TCL SEMIVOLATILE (Contaminants): All TIC BNA contaminants are listed.

Contractor Data Summary (cont.):

Header	Definition
CONFIDENCE INTERVALS	Confidence intervals (CI) calculated for each TCL compound using the statistical procedure. WARNING: Warning limits - LOWER: The lower CI limit. UPPER: The upper CI limit. ACTION: Action limits - LOWER: The lower CI limit. UPPER: The upper CI limit.
LABORATORY DATA	Contractor-reported values and EMSL-LV qualifiers. CONC: Contractor-reported concentration. Q: Qualifier codes.
# OF TCL COMPOUNDS NOT-IDENTIFIED	The number of TCL compounds the contractor did not identify in the PEM -- points deducted.
# OF TCL COMPOUNDS MIS-QUANTIFIED	The number of TCL compounds the contractor did not correctly quantify -- points deducted.
# OF TCL CONTAMINANTS	The number of TCL contaminants the contractor identified -- points deducted.
# OF NON-TCL COMPOUNDS NOT-IDENTIFIED	The number of TIC compounds the contractor did not identify - points deducted.
# OF NON-TCL CONTAMINANTS	The number of TIC contaminants the contractor identified -- points deducted.

Program Summary Data:

Header	Definition
# LABS MIS-QNT:	The number of CLP contractors who did not correctly quantify a TCL compound added to the PEM.
# LABS NOT-ID:	The number of CLP contractors who did not identify a TCL or TIC compound added to the PEM.

Contractor Data Summary (cont.):

Header	Definition
# LABS ID-CPD:	The number of CLP contractors who identified a TCL or TIC compound in the PEM.
TOTAL # LABS:	The number of CLP contractors who analyzed the PEM.
ILSR CODES:	The following codes are used on the ILSR.

U -- Compound analyzed for but not detected.

& -- Compound not identified -- points deducted for identification.

X -- Compound correctly identified but the reported value is not within the action limit -- points deducted for quantification.

$ -- The reported value for the compound is not within the warning limit but is within the action limit -- points not deducted.

C -- Contaminant -- points deducted.

CO -- Contaminant which may have been introduced during preparation of the PEM or during shipment -- points not deducted.

NS -- Data required but not submitted -- points deducted.

NR -- Data not required.

NU -- Data not used; insufficient amount of usable data for scoring submitted by the contractors.



KEY MAP

SOURCE: USGS QUADRANGLE MAP:
TOLEDO, OHIO-MICHIGAN

DRAWING INDEX

DRAWING NUMBER		FILE NUMBER	DATE	TITLE
GENERAL	G-01	12609-09(018)GN-WA005	JULY 2001	COVER SHEET/DRAWING INDEX
	G-01	12609-09(018)GN-WA001	JULY 2001	ABBREVIATIONS AND DETAIL DESIGNATIONS
	G-02	12609-09(018)GN-WA002	JULY 2001	CIVIL, STRUCTURAL AND ARCHITECTURAL LEGEND
	G-03	12609-09(018)GN-WA004	JULY 2001	MECHANICAL LEGEND
	G-04	12609-09(018)GN-WA006	JULY 2001	ELECTRICAL LEGEND
	G-05	12609-09(018)GN-WA003	JULY 2001	CIVIL FENCING DETAILS
	G-06	12609-09(018)GN-WA007	JULY 2001	OVERALL GRADING QUANTITIES
CIVIL	C-01	12609-09(018)CI-WA016	JULY 2001	EXISTING CONDITIONS I
	C-02	12609-09(018)CI-WA002	JULY 2001	FORMER DISPOSAL AREA EXISTING CONDITIONS
	C-03	12609-09(018)CI-WA006	JULY 2001	FORMER STORMWATER POND EXISTING CONDITIONS
	C-04	12609-09(018)CI-WA003	JULY 2001	FORMER DISPOSAL AREA STRATIGRAPHIC CROSS-SECTIONS
	C-05	12609-09(018)CI-WA015	JULY 2001	SITE WORKS
	C-06	12609-09(018)CI-WA022	JULY 2001	SITE WORKS II
	C-07	12609-09(018)CI-WA010	JULY 2001	SILVER CREEK RELOCATION PLAN AND PROFILE
	C-08	12609-09(018)CI-WA011	JULY 2001	SILVER CREEK RELOCATION CIVIL SECTIONS
	C-09	12609-09(018)CI-WA005	JULY 2001	FORMER DISPOSAL AREA PROPOSED SUBGRADE
	C-10	12609-09(018)CI-WA004	JULY 2001	FORMER DISPOSAL AREA PROPOSED FINAL GRADE
	C-11	12609-09(018)CI-WA008	JULY 2001	FORMER STORMWATER POND PROPOSED FINAL GRADE
	C-12	12609-09(018)CI-WA012	JULY 2001	FORMER DISPOSAL AREA COLLECTION SYSTEM PLAN AND PROFILE
	C-13	12609-09(018)CI-WA013	JULY 2001	FORMER STORMWATER POND COLLECTION SYSTEM PLAN AND PROFILE
	C-14	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 1 OF 8
	C-15	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 2 OF 8
	C-16	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 3 OF 8
	C-17	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 4 OF 8
	C-18	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 5 OF 8
	C-19	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 6 OF 8
	C-20	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 7 OF 8
	C-21	12609-09(018)CI-WA009	JULY 2001	SECTIONS SHEET 8 OF 8
	C-22	12609-09(018)CI-WA007	JULY 2001	DETAILS
	C-23	12609-09(018)CI-WA018	JULY 2001	NEW FENCING
	C-24	12609-09(018)CI-WA019	JULY 2001	WETLANDS
	C-25	12609-09(018)CI-WA020	JULY 2001	ABANDONED MONITORING WELL LOCATIONS
	C-26	12609-09(018)CI-WA021	JULY 2001	SEEDING PLAN
MECHANICAL	M-01	12609-09(018)ME-WA003	JULY 2001	FORCEMAINS PLAN AND PROFILE
	M-02	12609-09(018)ME-WA001	JULY 2001	MECHANICAL
	M-03	12609-09(018)ME-WA002	JULY 2001	MECHANICAL DETAIL
STRUCTURAL	S-01	12609-09(018)ST-WA001	JULY 2001	SHEET PILE WALLS PLAN AND PROFILE
	S-02	12609-09(018)ST-WA002	JULY 2001	STRUCTURAL SECTIONS AND DETAILS
ELECTRICAL	E-01	12609-09(018)EL-NF001	JULY 2001	ELECTRICAL SITE PLAN
	E-02	12609-09(018)EL-NF002	JULY 2001	ELECTRICAL INSTALLATION WET WELL EAST (WEST) ELECTRICAL PANEL
	E-03	12609-09(018)EL-NF003	JULY 2001	WET WELL EAST (WEST) ELECTRICAL PANEL
	E-04	12609-09(018)EL-NF004	JULY 2001	WET WELL EAST ELECTRICAL PANEL SCHEMATIC WIRING DIAGRAM
	E-05	12609-09(018)EL-NF005	JULY 2001	WET WELL WEST ELECTRICAL PANEL SCHEMATIC WIRING DIAGRAM

SITE REMEDIATION
AS RECORDED - JULY 2001

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

CONESTOGA-ROVERS & ASSOCIATES

ABBREVIATIONS

AAP	ALARM ANNUNCIATOR PANEL
AAV	AUTOMATIC AIR VENT
AB	ANCHOR BOLT
ABAN	ABANDON(ED)
ABS	ABSOLUTE
ABV	ABOVE
AC	ALTERNATING CURRENT
ACCUM	ACCUMULATOR
ACI	AMERICAN CONCRETE INSTITUTE
ACMV	AUTOMATIC CONTROL VALVE
ACOUS	ACOUSTICAL
ACP	ASPHALTIC CONCRETE PAVING
ACTR	ACTUATOR
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
ADPTR	ADAPTER
AF	AFTER FILTER
AGGR	AGGREGATE
AHR	ANCHOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALM	ALARM
ALT	ALTERNATE
AMB	AMBIENT
AMSL	ABOVE MEAN SEA LEVEL
ANLG	ANALOG
AP	ACID PROOF
APPROX.	APPROXIMATELY
APPX	APPENDIX
APT	APARTMENT
ARCH	ARCHITECT(URAL)
ASL	ABOVE SEA LEVEL
ASPH	ASPHALT(IC)
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASU	AIR SUPPLY UNIT
ASW	AUXILIARY SWITCH
ASYM	ASYMMETRICAL
AT	AIR TIGHT
ATS	AUTOMATIC TRANSFER SWITCH
AVE	AVENUE
AWG	AMERICAN WIRE GAGE
AZ	AZIMUTH

B&B	BALLED AND BURLAPPED
B&B	BELL AND BELL
B&F	BELL AND FLANGE
B&S	BELL AND SPIGOT
B/B	BACK TO BACK
BAF	BAFFLE
BAL	BALANCE
BAT	BATTERY
BBRG	BALL BEARING
BBS	BOTTOM OF BACKSLOPE
BC	BACK OF CURB
BC	BOLT CIRCLE
BE	BELL END
BETW	BETWEEN
BEV	BEVEL
BF	BOTH FACES
BFS	BOTTOM OF FORESLOPE
BFV	BUTTERFLY VALVE
BFW	BOILER FEED WATER
BGS	BELOW GROUND SURFACE
BHP	BRAKE HORSEPOWER
BI	BLACK IRON
BITUM	BITUMINOUS
BL	BASE LINE
BLDG	BUILDING
BLK	BLOCK
BLKHD	BULKHEAD
BLO	BLOWER
BLR	BOILER
BLW	BELOW
BM	BEAM
BM	BENCH MARK
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
BRK	BRICK
BRKR	BREAKER
BRL	BARREL
BRS	BRASS
BRZ	BRONZE
BS	BOTH SIDES
BSHG	BUSHING
BSMT	BASEMENT
BSP	BLACK STEEL PIPE
BSTR	BOOSTER
BTFL	BUTTERFLY
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BW	BOTH WAYS

Cu	COPPER
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAL	CALIBRATE
CAP	CAPACITY
CAT	CATALOG
CB	CATCH BASIN
CCPD	COUPLING CAPACITOR POTENTIAL DEVICE
CCW	COUNTER CLOCKWISE
CER	CERAMIC
CFP	CHEMICAL FEED PUMP
CHAN	CHANNEL
CHEM	CHEMICAL
CHFR	CHAMFER
CHK	CHECK
CHKV	CHECK VALVE
CI	CAST IRON
CIMJ	CAST IRON MECHANICAL JOINT
CIP	CAST IRON PIPE
CIR	CIRCLE
CIRC	CIRCULAR
CISP	CAST IRON SOIL PIPE
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CL	CENTER LINE
CLDI	CONCRETE LINED DUCTILE IRON
CLJ	CONTROL JOINT
CLL	COLUMN LINE
CLP	CLAMP
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CNR	CORNER

CNTFLG	CENTRIFUGAL
CO	CLEANOUT
COAX	COAXIAL CABLE
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS (CONTINUATION)
COORD	COORDINATE
COV	COVER
CP	CANDLE POWER
CP	CONCRETE PIPE
CP	CONTROL PANEL
CPLG	COUPLING
CR	CONCENTRIC REDUCER
CRCMF	CIRCUMFERENCE
CRN	CROWN
CRS	COLD ROLLED STEEL
CS	CARBON STEEL
CSP	CONCRETE SEWER PIPE
CT	COOLING TOWER
CTV	CABLE TELEVISION
CU	COPPER
CV	CONTROL VALVE
CW	COMPLETE WITH
CW	COLD WATER
CWP	CIRCULATING WATER PIPE
CYL	CYLINDER

DAT	DATUM
DBC	DIAMETER BOLT CIRCLE
DC	DIRECT CURRENT
DCI	DUCT COVERING INSULATION
DEMO	DEMOLITION
DET	DETAIL
DF	DIESEL FUEL
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFERENCE
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIST	DISTANCE
DIV	DIVISION
DIW	DEIONIZED WATER
DL	DEAD LOAD
DLI	DUCT LINER INSULATION
DLV	DOOR LOUVER
DMH	DROP MANHOLE
DMPF	DAMP PROOFING
DMPR	DAMPER
DN	DOWN
DP	DEW POINT
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DR	DRAIN
DS	DOWN SPOUT
DT	DRAIN TILE
DUPL	DUPLICATE
DW	DISTILLED WATER
DWG	DRAWING
DWL	DOWEL
DWV	DRAIN WASTE & VENT

E	EAST
ECC	ECCENTRIC
EF	EACH FACE
EFL	EFFLUENT
EL	EASEMENT LINE
EL	ELEVATION
ELB	ELBOW
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINE
ENGR	ENGINEER
ENTR	ENTRANCE
EP	EDGE OF PAVEMENT
EP	ELECTRICAL PANEL
EPRF	EXPLOSION PROOF
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EDGE OF SHOULDER
ESMT	EASEMENT
ESP	EMERGENCY SWITCH PANEL
EST	ESTIMATE
EVAP	EVAPORATE
EW	EACH WAY
EWH	ELECTRICAL WATER HEATER
EXC	EXCAVATE (EXCAVATION)
EXCH	EXCHANGER
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR

F/F	FACE TO FACE
FA	FIRE ALARM
FC	FOOTCANDLE
FD	FLOOR DRAIN
FDMPR	FIRE DAMPER
FDN	FOUNDATION
FDR	FEEDER
FEC	FIRE EXTINGUISHER CABINET
FEM	FEMALE
FEXT	FIRE EXTINGUISHER
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FHY	FIRE HYDRANT
FIN	FINISH(ED)
FIN FL	FINISH(ED) FLOOR
FIN GR	FINISH(ED) GRADE
FL	FLASHING
FLA	FULL LOAD AMPS
FLEX C	FLEXIBLE CONNECTION
FLG	FLANGE
FLOC	FLOCCULATOR
FLR	FLOOR(ING)
FLSW	FLOW SWITCH
FLTR	FILTER
FN	FENCE
FO	FUEL OIL
FOC	FACE OF CONCRETE
FP	FREEZING POINT
FPT	FEMALE PIPE THREAD
FR	FIRE RATING
FR	FRAME
FREQ	FREQUENCY
FSTNR	FASTENER
FTG	FITTING
FTG	FOOTING
FU	FUSE
FUR	FURNACE
FUT	FUTURE
FV	FOOT VALVE

FXTR	FIXTURE

G	GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
GL	GLASS
GLV	GLOBE VALVE
GLZ	GLAZING
GND	GROUND
GOVT	GOVERNMENT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GR	GRADE (GRADING)
GR LN	GRADE LINE
GRL	GRILLE
GRTG	GRATING
GSKT	GASKET
GSNK	GOOSENECK
GT	GREASE TRAP
GT	GROUT
GTV	GATE VALVE
GUT	GUTTER
GVL	GRAVEL
GWH	GAS WATER HEATER

H	HIGH
HB	HOSE BIB
HD	HEAD
HDPE	HIGH DENSITY POLYETHYLENE
HDWE	HARDWARE
HEX	HEAT EXCHANGER
HGT	HEIGHT
HH	HANDHOLE
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HNDRL	HAND RAIL
HNDWL	HANDWHEEL
HOA	HAND-OFF-AUTO
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HP	HORSEPOWER
HPT	HIGH POINT
HR	HOUR
HSB	HIGH STRENGTH BOLT
HT	HEAT
HTG	HEATING
HTR	HEATER
HV	HOSE VALVE
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER
HWB	HOT WATER BOILER
HWCP	HOT WATER CIRCULATING PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWT	HOT WATER TANK
HWY	HIGHWAY
HYD	HYDRANT
HYDR	HYDRAULIC
HZ	HERTZ

ID	INSIDE DIAMETER
IF	INSIDE FACE
IGN	IGNITION
ILLUM	ILLUMINATION
IN WC	INCHES (WATER COLUMN)
IND	INDICATOR
INDL	INDUSTRIAL
INF	INFLUENT
INL	INLET
INSTL	INSTALLATION
INSTR	INSTRUMENT
INSUL	INSULATION
INTLK	INTERLOCK
INTR	INTERIOR
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
IPS	INTERNATION PIPE STANDARD
IPT	IRON PIPE THREAD
ISO	ISOMETRIC

JAN	JANITOR
JB	JUNCTION BOX
JCT	JUNCTION

KOP	KNOCKOUT PANEL
KPL	KICK PLATE
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVAR (RESISTANCE)
KW	KILOWATT
KWH	KILOWATT HOUR

L	LEFT
LAB	LABORATORY
LAD	LADDER
LATL	LATERAL
LAV	LAVATORY
LB	POUND
LBL	LABEL
LBR	LUMBER
LDPE	LOW DENSITY POLYETHYLENE
LG	LONG (LENGTH)
LH	LEFT HAND
LIM SW	LIMIT SWITCH
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LO	LUBRICATING OIL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LIGHT POLE
LP	LOW PRESSURE
LPT	LOW POINT
LPV	LUBRICATED PLUG VALVE
LRG	LARGE

LT	LIGHT
LTG	LIGHTING
LTG PNL	LIGHTING PANEL
LV	LOW VOLTAGE
LVL	LEVEL(ER)
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE

M	METER
MA	MILLIAMPERE
MACH	MACHINE
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBTU	THOUSAND BRITISH THERMAL UNITS
MC	MOMENTARY CONTACT
MCC	MOTOR CONTROL CENTER
MD	MANUAL DAMPER
MECH	MECHANICAL
MET	METAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHT	MEAN HIGH TIDE
MI	MALLEABLE IRON
MI	MILE
MID	MIDDLE
MIN	MINIMUM
MIN	MINUTE
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MK	MARK
MKR	MARKER
MLT	MEAN LOW TIDE
MLWK	MILLWORK
MMDD	MODIFIED MAXIMUM DRY DENSITY
MOBIL	MOBILIZATION
MOD	MOTOR OPERATED DAMPER
MON	MONITOR
MON	MONUMENT
MOT	MOTOR
MOV	MOTOR OPERATED VALVE
MPH	MILES PER HOUR
MPT	MALE PIPE THREAD
MS	MOTOR STARTER
MTD	MOUNTED
MV	MEGAVOLT
MW	MEGAWATT

N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NC	NATIONAL COARSE THREAD
NC	NORMALLY CLOSED
NEG	NEGATIVE
NEUT	NEUTRAL
NF	NATIONAL FINE THREAD
NIC	NOT IN CONTRACT
NIP	NIPPLE
NKL	NICKEL
NO	NORMALLY OPEN
NO	NUMBER
NOM	NOMINAL
NOZ	NOZZLE
NPF	NATIONAL PIPE THREAD
NPL	NAMEPLATE
NPT	NATIONAL TAPER PIPE THREAD
NRCP	NON-REINFORCED CONCRETE PIPE
NRS	NON-RISING STEM
NTS	NOT TO SCALE

O/O	OUT TO OUT
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OED	OPEN END DUCT
OHGW	OVERHEAD GUY WIRE
O/L	OVER LOAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
ORF	ORIFICE
ORIG	ORIGINAL
OVFL	OVERFLOW
OXY	OXYGEN
OZ	OUNCE

P	PUMP
PA	PIPE ANCHOR
PAR	PARALLEL
PARG	PARGING
PAT	PATTERN
PB	PULL BOX
PB	PUSH BUTTON
PC	PIECE
PC	POINT OF CURVE
PC	PORTLAND CEMENT
PCC	POINT OF COMPOUND CURVE
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PF	POWER FACTOR
PH	PHASE
PHOTO	PHOTOGRAPH
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PIVC	POINT OF INTERSECTION FOR VERTICAL CURVE
PKG	PACKAGE
PKWY	PARKWAY
PL	PLATE
PL	PROPERTY LINE
PLAT	PLATFORM
PLBG	PLUMBING
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT
POLY	POLYETHYLENE
PORT	PORTABLE
POS	POSITIVE
PPM	PARTS PER MILLION
PR	PAIR
PRC	POINT OF REVERSE CURVE
PRCST	PRECAST
PRCVC	POINT OF REVERSE CURVE VERTICAL CURVE

PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRELIM	PRELIMINARY
PRI	PRIMARY
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PRV	PRESSURE REDUCING VALVE
PRV	PRESSURE RELIEF VALVE
PS CONC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAGE
PST	POINT OF SPIRAL TANGENT
PT	PIPE TAP
PT	POINT OF TANGENCY
PTD	PAINTED
PV	PAVED
PVC	POINT OF VERTICAL CURVE
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
PWR	POWER

QCV	QUICK COUPLER VALVE
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY

R	RISER
RAD	RADIUS
RBR	RUBBER
RC	REINFORCED CONCRETE
RD	ROAD
RD	ROOF DRAIN
RDC	REDUCER
REC	RECESSED
RECIRC	RECIRCULATE
RECPT	RECEPTACLE
RECT	RECTANGULAR
REF	REFERENCE
REINF	REINFORCE(D)(ING)(MENT)
REM	REMOVABLE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
RF	RAISED FACE
RFG	ROOFING
RGLTR	REGULATOR
RH	RELATIVE HUMIDITY
RH	RIGHT HAND
RHB	ROUND HEAD BOLT
RLF	RELIEF
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RPM	REVOLUTIONS PER MINUTE
RPS	REVOLUTIONS PER SECOND
RR	RAILROAD
RV	RELIEF VALVE
RV	ROOF VENT

S	SOUTH
SA	SUPPLY AIR
SALV	SALVAGE
SAN	SANITARY
SAT	SATURATION
SCHED	SCHEDULE
SCRN	SCREEN
SD	STORM DRAIN
SDL	SADDLE
SDMH	STORM DRAIN MANHOLE
SEC	SECOND
SECT	SECTION
SEG	SEGMENT
SF	SAFETY FACTOR
SF	SUPPLY FAN
SGL	SINGLE
SHLDR	SHOULDER
SHR	SHOWER
SHT	SHEET(ING)
SHTNG	SHEATHING
SIG	SIGNAL
SIM	SIMILAR
SK	SINK
SLP	SLOPE
SLV	SLEEVE
SM	SHEET METAL
SM	SMOOTH
SMDD	STANDARD MAXIMUM DRY DENSITY
SMLS	SEAMLESS
SOLV	SOLENOID VALVE
SP	SINGLE POLE
SP	SOIL PIPE
SP	SPACE(ING)
SP GR	SPECIFIC GRAVITY
SP VOL	SPECIFIC VOLUME
SPDT	SINGLE POLE DOUBLE THROW
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SPLY	SUPPLY
SPRT	SUPPORT
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
SQ FT	SQUARE FEET
SQ IN	SQUARE INCH
SQ KM	SQUARE KILOMETER
SQ M	SQUARE METER
SQ MM	SQUARE MILLIMETER
SQ YD	SQUARE YARD
SS	SANITARY SEWER
SSK	SERVICE SINK
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STK	STAKE
STL	STEEL
STOR	STORAGE
STR	STRAIGHT
STRUCT	STRUCTURAL
SUCT	SUCTION
SURF	SURFACE

SURV	SURVEY
SV	SAFETY VALVE
SW	SIDEWALK
SWP	SAFE WORKING PRESSURE
SWR	SEWER
SYM	SYMBOL
SYMM	SYMMETRICAL
SYS	SYSTEM

T	TEE
T	THERMOSTAT
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	TOP OF BEAM
TBM	TEMPORARY BENCH MARK
TC	TOP OF CONCRETE
TC	TOP OF CURB
TDH	TOTAL DYNAMIC HEAD
TE	TOP ELEVATION
TE	TOTALLY ENCLOSED
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
TERM	TERMINAL
TF	TOP OF FOOTING
TFF	TOP OF FINISHED FLOOR
THD	THREAD(ED)
THERM	THERMAL
THK	THICK(NESS)
THRU	THROUGH
TNL	TUNNEL
TOT	TOTAL
TP	TOP OF PAVEMENT
TP	TOTAL PRESSURE
TRANS	TRANSPARENT
TSF	TONS PER SQUARE FOOT
TSL	TOP OF SLAB
TST	TOP OF STEEL
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL

U	HEAT TRANSFER UNIT
UG	UNDERGROUND
UH	UNIT HEATER
ULT	ULTIMATE
UN	UNION
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNIF	UNIFORM
UNIV	UNIVERSAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY

UTIL	UTILITY
UV	ULTRAVIOLET

V	SANITARY VENT
V	VALVE
V	VOLT
VAC	VACUUM
VAC	VOLTS ALTERNATING CURRENT
VAP	VAPOR
VB	VALVE BOX
VEH	VEHICLE
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VFPE	VERY FLEXIBLE POLYETHYLENE
VIB	VIBRATION
VIN	VINYL
VISC	VISCOSITY
VTR	VENT TO ROOF
VOL	VOLUME
VP	VACUUM PUMP

W	WASTE
W	WATT
W	WEST
WO	WITHOUT
W/W	WALL TO WALL
WB	WET BULB
WC	WATER CLOSET
WD	WIDTH
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WG	WATER GAGE
WHA	WATER HAMMER ARRESTOR
WHTR	WATER HEATER
WI	WROUGHT IRON
WL	WATER LINE
WL	WATER LEVEL
WLD	WELDED
WP	WORKING POINT
WPR	WORKING PRESSURE
WR	WATER RESISTANT
WT	WEIGHT
WTR	WATER
WTRPRF	WATERPROOF(ING)
WW	WASTE WATER
WWF	WELDED WIRE FABRIC

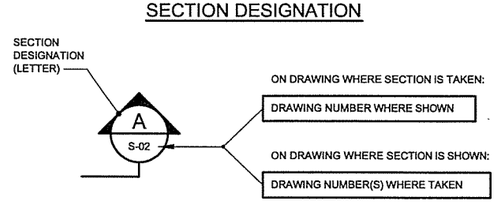
X ARM	CROSS ARM
X SECT	CROSS SECTION
XFMR	TRANSFORMER
XFR	TRANSFER

YD	YARD DRAIN
YH	YARD HYDRANT

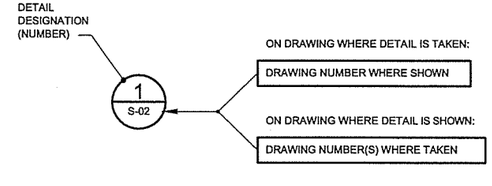
STANDARD DETAIL DESIGNATION



SECTION DESIGNATION



DETAIL DESIGNATION



№	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

NOTES:

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2. CONTACT ENGINEER FOR ABBREVIATIONS NOT LISTED.

SCALE VERIFICATION

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Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

ABBREVIATIONS AND
DETAIL DESIGNATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: NONE	Project №: 12609-09	Report №: 018	Drawing №: G-01AR

TOPOGRAPHICAL

MUNICIPAL SYMBOLS

- PROPERTY BOUNDARY
- SITE BOUNDARY
- FENCE
- DITCH, SWALE
- 100 GROUND CONTOUR
- 100 GROUNDWATER ELEVATION CONTOUR (PIEZOMETRIC OR POTENTIOMETRIC SURFACE)
- 100 SOIL EXCAVATION CONTOUR
- 100 FINAL CONTOUR
- LIMIT OF REFUSE DISPOSAL
- SLOPED SURFACE (TOP OF BANK)
- BUILDING
- RAILWAY
- SHORELINE
- ACCESS ROAD
- W WATERMAIN
- SAN SANITARY SEWER
- STM STORM SEWER
- G GAS MAIN
- T TELEPHONE LINE
- E ELECTRIC CABLE
- UG UNDERGROUND CONDUIT
- OH OVERHEAD CABLE, WIRE

- S.I.B. STANDARD IRON BAR
- I.B. IRON BAR
- R.I.B. ROUND IRON BAR
- MONUMENT MONUMENT/BENCHMARK
- C.C. CUT CROSS
- I.P. IRON PIPE
- NAIL NAIL/CONTROL
- M.H.1A SANITARY MANHOLE
- M.H.1 STORM MANHOLE
- C.B. CATCHBASIN
- D.C.B. DOUBLE CATCHBASIN
- W.V. WATER VALVE
- V.C. VALVE CHAMBER
- C.S. CURB STOP
- HYD. HYDRANT
- D.I. DITCH INLET CATCHBASIN

- R.S. ROAD SIGN
- U.P. UTILITY POLE
- GUY ANCHOR
- G.V. GAS VALVE
- TEL PED. TELEPHONE PEDESTAL
- TEL CHAMBER TELEPHONE CHAMBER
- H.H. HAND HOLE
- ELEC M.H. ELECTRICAL MANHOLE
- L.S. LIGHT STANDARD
- 100Ø DECIDUOUS TREE AND DIAMETER
- 100Ø CONIFEROUS TREE AND DIAMETER
- 100Ø SHRUB AND DIAMETER
- 100Ø STUMP TREE STUMP AND DIAMETER
- 3-100Ø DECIDUOUS CLUMP TREES AND DIAMETER
- 3-100Ø CONIFEROUS CLUMP TREES NUMBER AND DIAMETER

PROPOSED MUNICIPAL SYMBOLS

- MHA1 PROPOSED SANITARY MANHOLE
- MH1 PROPOSED STORM MANHOLE
- CB PROPOSED CATCHBASIN
- W.V. PROPOSED WATER VALVE
- VC PROPOSED VALVE CHAMBER
- HYD. PROPOSED HYDRANT
- DCB PROPOSED DOUBLE CATCHBASIN
- U.P. PROPOSED UTILITY POLE

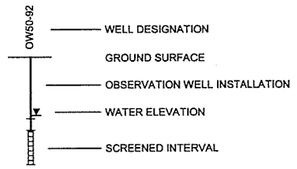
MONITORING

- BH BOREHOLE
- SS SURFACE SOIL SAMPLE
- SP STANDPIPE
- MW OBSERVATION/MONITORING WELL
- SW SURFACE WATER MONITORING LOCATION
- WS WATER SUPPLY WELL
- PZ PIEZOMETER
- BP BUNDLE PIEZOMETER
- EW EXTRACTION WELL
- TP TEST PIT
- IW INJECTION WELL
- GP GAS PROBE
- GV GAS VENT
- HA HAND AUGER BORING LOCATION
- MPE MULTI-PHASE EXTRACTION WELL
- VE VAPOR EXTRACTION WELL
- AS AIR SPARGING WELL
- OF OUTFALL LOCATION

PROPOSED MONITORING

- BH PROPOSED BOREHOLE
- SS PROPOSED SURFACE SOIL SAMPLE
- SP PROPOSED STANDPIPE
- MW PROPOSED OBSERVATION/MONITORING WELL
- SW PROPOSED SURFACE WATER MONITORING LOCATION
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- TP PROPOSED TEST PIT
- IW PROPOSED INJECTION WELL
- GP PROPOSED GAS PROBE
- GV PROPOSED GAS VENT
- HA PROPOSED HAND AUGER BORING LOCATION
- MPE PROPOSED MULTI-PHASE EXTRACTION WELL
- VE PROPOSED VAPOR EXTRACTION WELL
- AS PROPOSED AIR SPARGING WELL
- OF PROPOSED OUTFALL LOCATION

GEOLOGIC & HYDROGEOLOGIC SECTIONS



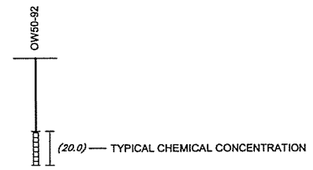
TYPICAL WELL INSTALLATION



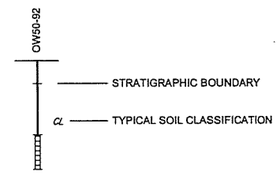
MEASURED WATER LEVEL



MONITORING OR SAMPLING LOCATION



MEASURED CHEMICAL CONCENTRATION

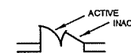


SOIL CLASSIFICATIONS

MATERIAL

- CLAY
- SILT
- SAND
- SEDIMENT
- SAND AND GRAVEL
- CRUSHED STONE
- FILL
- WASTE, REFUSE
- RIPRAP
- BEDROCK
- SWAMP
- TOPSOIL
- ASPHALT
- CONCRETE
- CONCRETE MASONRY UNITS
- BRICK MASONRY
- RIGID INSULATION
- BATT INSULATION
- WOOD, ROUGH NON-CONTINUOUS
- ROCK SURFACE
- EARTH SURFACE
- GRATING

ARCHITECTURAL



- INDICATES PAIR OF DOORS
- 1 DOOR NUMBER
- 1 LINTEL NUMBER

MISCELLANEOUS

- SEED AND MULCH, VEGETATION COVER, GRASS
- GRADE, TOP OF GROUND
- GEOTEXTILE

No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

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SCALE VERIFICATION

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Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

CIVIL, STRUCTURAL AND ARCHITECTURAL LEGEND

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: NONE	Project No: 12609-09	Report No: 018	Drawing No: G-02AR

12609-09(018)GN-WA002 JUL 11/2001

PIPE AND PIPE FITTING SYMBOLS

	SINGLE LINE	DOUBLE LINE
EXISTING PIPE		
NEW PIPE		
EXISTING PIPE TO BE ABANDONED		
EXISTING PIPE TO BE REMOVED		
WELDED JOINT		
GROOVED JOINT		
FLANGED JOINT		
MECHANICAL JOINT		
BELL AND SPIGOT JOINT (LEADED)		
HUB AND SPIGOT JOINT (RUBBER GASKET)		
BALL JOINT		
PVC JOINT		
GROOVED END ADAPTOR JOINT		
FLANGED COUPLING ADAPTOR		
FLANGED COUPLING ADAPTOR WITH THRUST TIES		
FLEXIBLE COUPLING		
FLEXIBLE COUPLING WITH THRUST TIES		
STEEL BELLOWS EXPANSION JOINT		
ELASTOMER BELLOWS EXPANSION JOINT		
ELBOW UP		
ELBOW DOWN		
TEE UP		
TEE DOWN		
LATERAL UP		
LATERAL DOWN		
CONCENTRIC REDUCER		
EXCENTRIC REDUCER		
UNION		
CAP		
ANCHOR		
ELBOW 90°		
CROSS		
TEE		
ELBOW 45°		
LATERAL		

PROCESS PIPE IDENTIFICATION

AC	ACID
AI	AIR, INSTRUMENT
ALP	AIR, LOW PRESSURE
AHP	AIR, HIGH PRESSURE
AS	AIR SCOUR
BD	BLOWDOWN
CD	CONDENSATE DRAIN
CG	CHLORINE GAS
D	DECANT
DDS	DEWATERED DIGESTED SLUDGE
DG	DIGESTER GAS
DR	DRAIN
DS	DIGESTED SLUDGE
EXH	EXHAUST
EW	EFFLUENT WATER
FC	FERRIC CHLORIDE
GW	GROUNDWATER
HP	HYDROGEN PEROXIDE
M	METHANOL
N	NUTRIENT
O	OXYGEN
OF	OVERFLOW
P	POLYMER
PW	POLISHED WATER
RAS	RETURN ACTIVATED SLUDGE
RW	RAW WATER
S	SUPERNATANT
SA	SAMPLE
SL	SLUDGE
SPD	SUMP PUMP DISCHARGE
TBS	THICKENED BOTTOM SLUDGE
TW	TREATED WATER
TWAS	THICKENED WASTE ACTIVATED SLUDGE
WAS	WASTE ACTIVATED SLUDGE
WW	WASH WATER
W1	SERVICE WATER, NON-POTABLE

PIPING DESIGNATION — 16-CLDI-RAS

16 - CLDI - RAS
- PIPE USE IDENTIFICATION LEGEND
- PIPE MATERIAL
- NOMINAL PIPE DIAMETER (INCH)

VALVE SYMBOLS

- FOUR WAY VALVE
- AIR AND VACUUM VALVE
- ANGLE GATE VALVE
- ANGLE GLOBE VALVE
- GLOBE VALVE
- GATE VALVE
- KNIFE GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- DIAPHRAGM VALVE
- NEEDLE VALVE
- PLUG VALVE
- SEAT PORT — ECCENTRIC PLUG VALVE
- PRV — PRESSURE REDUCING VALVE
- PINCH VALVE
- PRESSURE RELIEF VALVE
- SELF-CONTAINED PRESSURE REGULATOR
- VALVE WITH ACTUATOR
- SOLENOID VALVE OPERATOR
- FI — FLOW INDICATOR
- TEMP. CONTROL VALVE
- CONTROL VALVE — FLOW DIRECTION — VALVE SYMBOL
- HOSE VALVE OR BIBB
- SP — SAMPLE PORT
- F — FLUSH
- MULTIPORT BALL VALVE (BALL VALVE SHOWN.) ARROWS INDICATE PATTERN, SEAT PORTS ARE IMPLIED

EQUIPMENT SYMBOLS

- SG — SIGHT GLASS
- TRANSDUCER MOUNTING
- DISSOLVED OXYGEN ANALYZER
- INLINE MIXER
- INLINE CIRCULATING PUMP
- DIAPHRAGM PUMP
- CENTRIFUGAL PUMP OR BLOWER
- GEAR PUMP OR POSITIVE DISPLACEMENT BLOWER

LEVEL SENSOR SYMBOLS

- CAPACITANCE LEVEL SWITCH
- ULTRASONIC LEVEL TRANSMITTER
- FLOAT SWITCH

MISCELLANEOUS PIPING SYMBOLS

- BFP — BACKFLOW PREVENTOR
- DIRECTION OF SLOPE
- DIRECTION OF FLOW
- INSULATED LINE
- INSULATED LINE w/STEAM TRACE
- ELEC — INSULATED LINE w/ELECTRICAL TRACE
- F R L — LUBRICATOR, REGULATOR, FILTER

GATE SYMBOLS

EL. VIEW / PLAN VIEW

- SLUICE
- BUTTERFLY
- FLAP
- SHEAR
- FABRICATED SLIDE

PIPE MATERIAL

CS	CARBON STEEL
CI	CAST IRON
CLDI	CEMENT LINED DUCTILE IRON
CPVC	CHLORINATED POLYVINYL CHLORIDE
CU	COPPER
DI	DUCTILE IRON
ELS	EPOXY LINED STEEL
FRP	FIBERGLASS REINFORCED PLASTIC
GALVS	GALVANIZED STEEL
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLYVINYL CHLORIDE
SST	STAINLESS STEEL

HVAC SYMBOLS

- OED — OPEN END DUCT
- T — ROOM THERMOSTAT
- T G — ROOM THERMOSTAT w/GUARD
- SUPPLY AIR DUCT SECTION UP
- SUPPLY AIR DUCT SECTION DOWN
- RETURN/EXHAUST AIR DUCT SECTION UP
- RETURN/EXHAUST AIR DUCT SECTION DOWN
- FLEXIBLE CONNECTION
- TURNING VANES
- SUPPLY AIR DIFFUSER
- INSULATED DUCT
- OPPOSED BLADE DAMPER
- FD — FIRE DAMPER
- BDD — BACKDRAFT DAMPER
- BD — BALANCING DAMPER
- M — DAMPER MOTOR
- DG — DOOR GRILLE
- UH — UNIT HEATER

BUILDING SERVICES PIPE IDENTIFICATION

HW	HOT WATER
HWR	HOT WATER RECIRCULATION
CW	COLD WATER
S	COLD WATER (SOFT)
SAN	SANITARY SEWER
STM	STORM SEWER
RWL	RAIN WATER LEADER
V	VENT
G	GAS
F	FIRE STANDPIPE
SPK	SPRINKLER
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW STEAM CONDENSATE
FT	FLOAT & THERMOSTATIC TRAP
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
RD	ROOF DRAIN
CO	CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN

GENERAL PIPING NOTES

1. SYMBOLS SHOWN HERE FOR SINGLE LINE FITTINGS ARE GENERIC ONLY. REFER TO PIPING SPECIFICATIONS FOR SPECIFIC END CONNECTIONS FOR SINGLE LINE PIPE AND FITTINGS.
2. SIZE OF FITTINGS SHOWN ON PLANS SHALL CORRESPOND TO ADJACENT STRAIGHT RUN OF PIPE, UNLESS NOTED OTHERWISE. TYPE OF JOINT AND FITTING MATERIAL SHALL BE THE SAME AS SHOWN FOR ADJACENT STRAIGHT RUN OF PIPE.
3. ALL FLEXIBLE CONNECTORS OR FLANGED ADAPTERS SHALL BE PROVIDED WITH THRUST TIES, BLOCKS, OR ANCHORS, UNLESS NOTED OTHERWISE. THRUST PROTECTION SHALL BE ADEQUATE FOR PRESSURES SPECIFIED.
4. NUMBER AND LOCATION OF UNIONS SHOWN ON DRAWINGS IS ONLY APPROXIMATE. PROVIDE ALL UNIONS NECESSARY TO FACILITATE CONVENIENT REMOVAL OF VALVES AND MECHANICAL EQUIPMENT.

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

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Approved

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TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

MECHANICAL
LEGEND

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: NONE	Project N°: 12609-09	Report N°: 018	Drawing N°: G-03AR

12609-09(018)GN-WA004 JUL 11/2001

GROUNDING SYMBOLS

- GROUND ROD
- GROUND CABLE CONNECTION AND GROUND STUB
- ROD ELECTRODE AND GROUND INSPECTION WELL
- ROD GROUNDING ELECTRODE
- CORNER SET GROUNDING ELECTRODES
- GROUND CABLE EMBEDDED OR BURIED, CABLE UP
- GROUND CABLE EXPOSED, CABLE DOWN
- GROUND CABLE CONNECTION TO EQUIPMENT
- GROUND CABLE CONNECTION TO BUILDING STEEL COLUMN

CIRCUIT SYMBOLS

- RECTIFIER BRIDGE
- RESISTOR
- 15 SECS. TIME DELAY CAPSULE N/O
- 10 SECS. TIME DELAY CAPSULE N/C
  1. ENTER TIME DELAY REQ'D. (e.g. 10 SECS.)
- NORMALLY OPEN RELAY CONTACT
- NORMALLY CLOSED RELAY CONTACT
- CR RELAY COIL
- AM METER: CTR-COUNTER
  AM-AMMETER
  VM-VOLTMETER
  WHM-WAT (HOURMETER)
- T1 TRANSFORMER
- R PILOT LIGHT (LENS COLOUR)
- POLARIZED CAPACITOR
- FIXED CAPACITOR
- LIGHT EMITTING DIODE
- ZENER DIODE
- DIODE
- ARC SUPPRESSOR
- 5A FUSE
- BATTERY
- 1A TERMINAL WITH DESIGNATION
- GROUND
- BREAKER STABS
- THERMAL OVERLOAD
- MOTOR OVERLOAD
- MAGNETIC OVERLOAD
- CIRCUIT BREAKER
- xx MOTOR
- 100A MOTOR
- XX WIRE LABELING
  XX
  XX

SWITCH SYMBOLS

- LIMIT SWITCH N/O
- LIMIT SWITCH N/C
- TIME DELAY N/O DELAY ON CLOSING
- TIME DELAY N/C DELAY ON OPENING
- TIME DELAY N/C DELAY ON CLOSING
- TIME DELAY N/O DELAY ON OPENING
- TIME DELAY COIL
- PROXIMITY LIMIT SWITCH N/O
- PROXIMITY LIMIT SWITCH N/C
- FOOT OPERATED L/S CLOSED
- FOOT OPERATED L/S OPEN
- FLOW OPERATED L/S CLOSED
- FLOW OPERATED L/S OPEN
- FLOAT OPERATED L/S CLOSED
- FLOAT OPERATED L/S OPEN
- PRESSURE OPERATED L/S CLOSED
- PRESSURE OPERATED L/S OPEN
- TEMPERATURE OPERATED L/S CLOSED
- TEMPERATURE OPERATED L/S OPEN
- 2 POSITION SELECTOR SWITCH
- 3 POSITION SELECTOR SWITCH
- SOLENOID
- PUSHBUTTON CLOSED
- PUSHBUTTON OPEN
- DISCONNECT SWITCH N/O
- MAINTAINED EMERGENCY STOP
- H O A HAND-OFF AUTO SELECTOR SWITCH

LAYOUT SYMBOLS

- PHOTOCELL EMITTER
- PHOTOCELL RECEIVER
- HORN
- BUZZER
- BELL
- SENSING ELEMENT
- PILOT LIGHT C/W TEST SWITCH (LENS COLOUR)
- SWITCH SINGLE POLE 120V
- $\$_2$ SWITCH DOUBLE POLE 120V
- $\$_3$ SWITCH THREE WAY 120V
- DUPLEX RECEPTACLE 120V, 20A;
- GF DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION, 120V, 20A
- WP DUPLEX RECEPTACLE WEATHER PROOF, 120V, 20A
- TW TWIST LOCK RECEPTACLE 120V
- T THERMOSTAT
- E.U.H. 2.0 A KW, RATING REQUIRED. 'A' DENOTES ELECTRIC UNIT HEATER, C/W CEILING-MOUNTED BRACKETS.
- MOTORIZED DOOR OPERATOR
- T1 POWER TRANSFORMER - T1
- WELDING RECEPTACLE
- TELEPHONE OUTLET MOUNTED 12" ABOVE FINISHED FLOOR LEVEL
- TELEPHONE OUTLET MOUNTED 4'-6" ABOVE FINISHED FLOOR LEVEL
- SINGLE PHASE MANUAL MOTOR STARTER
- THREE PHASE MANUAL MOTOR STARTER/DISCONNECT SWITCH
- START-STOP PUSHBUTTON AND PILOT LIGHT
- LOCKABLE DISCONNECT SWITCH
- FIRE ALARM PULL STATION MOUNTED 4'-6" ABOVE FINISHED FLOOR LEVEL
- P E PHOTO ELECTRIC SMOKE DETECTOR
- SPRINKLER FLOW ALARM SWITCH CONNECTED TO FIRE ALARM SYSTEM
- SV SOLENOID VALVE CONNECTED TO FIRE ALARM SYSTEM
- GFI A-1 115V, DUPLEX RECEPTACLE
  GFI - GROUND FAULT CIRCUIT INTERUPTER
  WP - WEATHERPROOF
- DATA GRADE TELEPHONE OUTLET
- CS01 LOCAL CONTROL STATION
- H HEAT DETECTOR
- F FIRE BELL
- S FIRE ALARM STROBE
- FIRE ALARM INTEGRATED BELL AND LIGHT UNIT

LIGHTING SYMBOLS

- S STROBE LIGHT - TYPE S
- A LIGHTING FIXTURE - TYPE A
- FLUORESCENT LIGHTING FIXTURE - TYPE F
- A LIGHTING FIXTURE WALL MOUNTED TYPE A
- EXIT LIGHT AND CEILING MOUNTED OUTLET BOX. DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE FACES.
- B EMERGENCY BATTERY PACK WITH CHARGER AND SEALED BEAM HEADS
- B EMERGENCY BATTERY PACK WITH CHARGER, EXIT LIGHT AND SEALED BEAM HEADS
- G EMERGENCY LIGHTING REMOTE HEAD
- EXIT LIGHT - WALL MOUNTED
- FIRE ALARM PANEL
- DP01 LIGHTING OR DISTRIBUTION PANEL 208/120V, 3Ø, 4W - PANEL ID NUMBER AS SHOWN
- UPS01 DISTRIBUTION PANEL 240/120V, 1Ø, 3W - PANEL ID NUMBER AS SHOWN

Nº	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

NOTES:

1. THIS IS A STANDARD LEGEND LIST, THEREFORE SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LIST AND NOT ON THE DRAWINGS.
2. CONTACT ENGINEER FOR ABBREVIATIONS AND SYMBOLS NOT LISTED.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

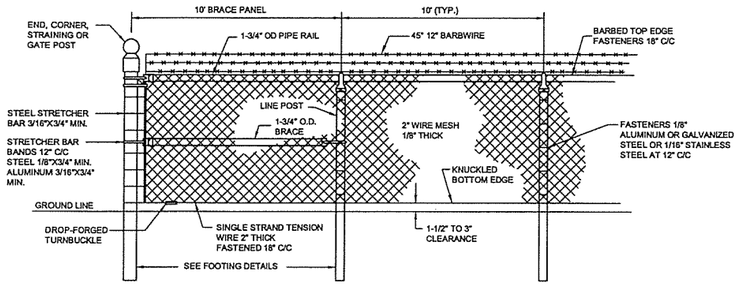
ELECTRICAL LEGEND

CONESTOGA-ROVERS & ASSOCIATES

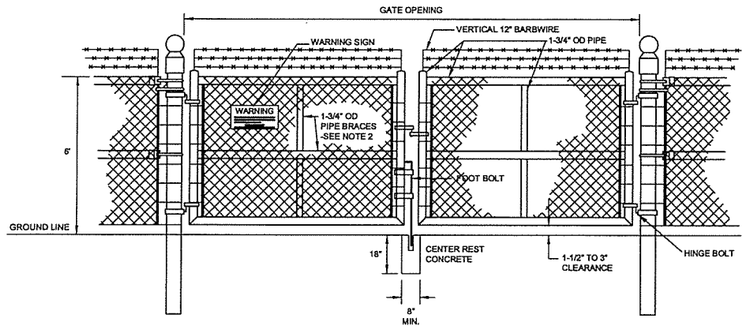
Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: NONE	Project Nº: 12609-09	Report Nº: 018	Drawing Nº: G-04AR

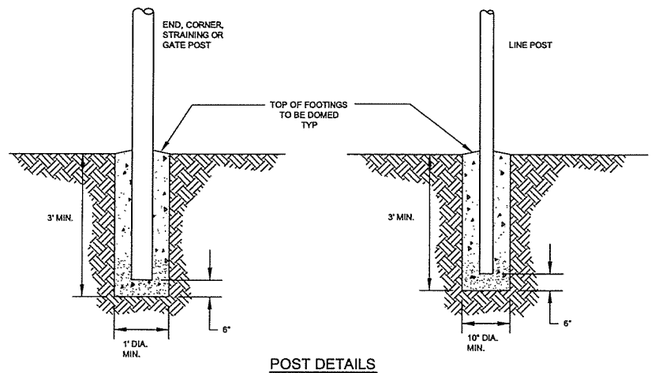
12609-09(018)GN-WA006 JUL 11/2001



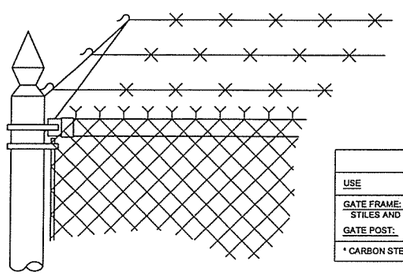
CORNER BRACE



DOUBLE GATE



POST DETAILS

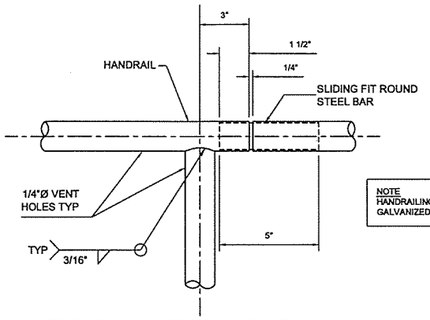


BARBED WIRE CORNER

POST AND RAIL SIZES - FENCE			
USE	FABRIC HEIGHT	O.D.*	LBS/FT
INTERMEDIATE POSTS	BELOW 9'	2-1/2"	3.65
CORNER, END, GATE AND BRACE POSTS	BELOW 9'	3"	5.79
RAILS	ALL	1-3/4"	2.27
* CARBON STEEL PIPE - ASTM A-20, SCH 40			

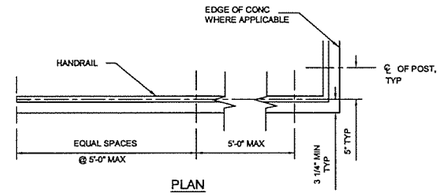
POST AND RAIL SIZES - GATES						
USE	LEAF WIDTH		FABRIC HGT	O.D.*		LBS/FT
	DOUBLE	MANGATE		DOUBLE	MANGATE	
GATE FRAME: STILES AND RAILS	2x8'	2x4'	6'	2"	2"	2.27
GATE POST:	16'	4'	6'	4 1/2"	3"	18.97/9.11
* CARBON STEEL PIPE - SCHED. 40						

SITE FENCING AND GATES

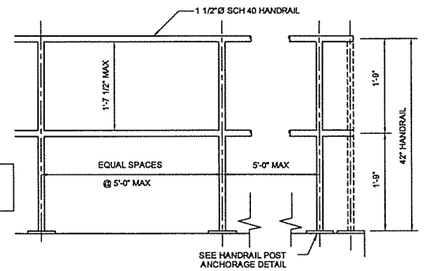


TYPICAL HAND RAIL JOINT

NOTE
HANDRAILING TO BE HOT DIPPED GALVANIZED AFTER FABRICATION

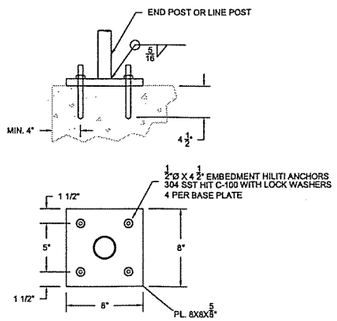


PLAN



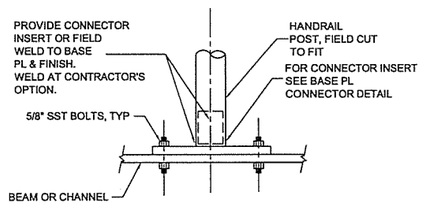
ELEVATION

HANDRAILING DETAILS



BASE PLATE

FENCE POST ANCHORAGE TO CONCRETE



NOTE:
1. ALTERNATIVE - GRIND OFF GALVANIZING, WELD PLATES TO STRUCTURAL MEMBERS, TOUCH UP WELDS WITH GALVACON OR EQUAL.

HANDRAIL POST ANCHORAGE TO STEEL

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

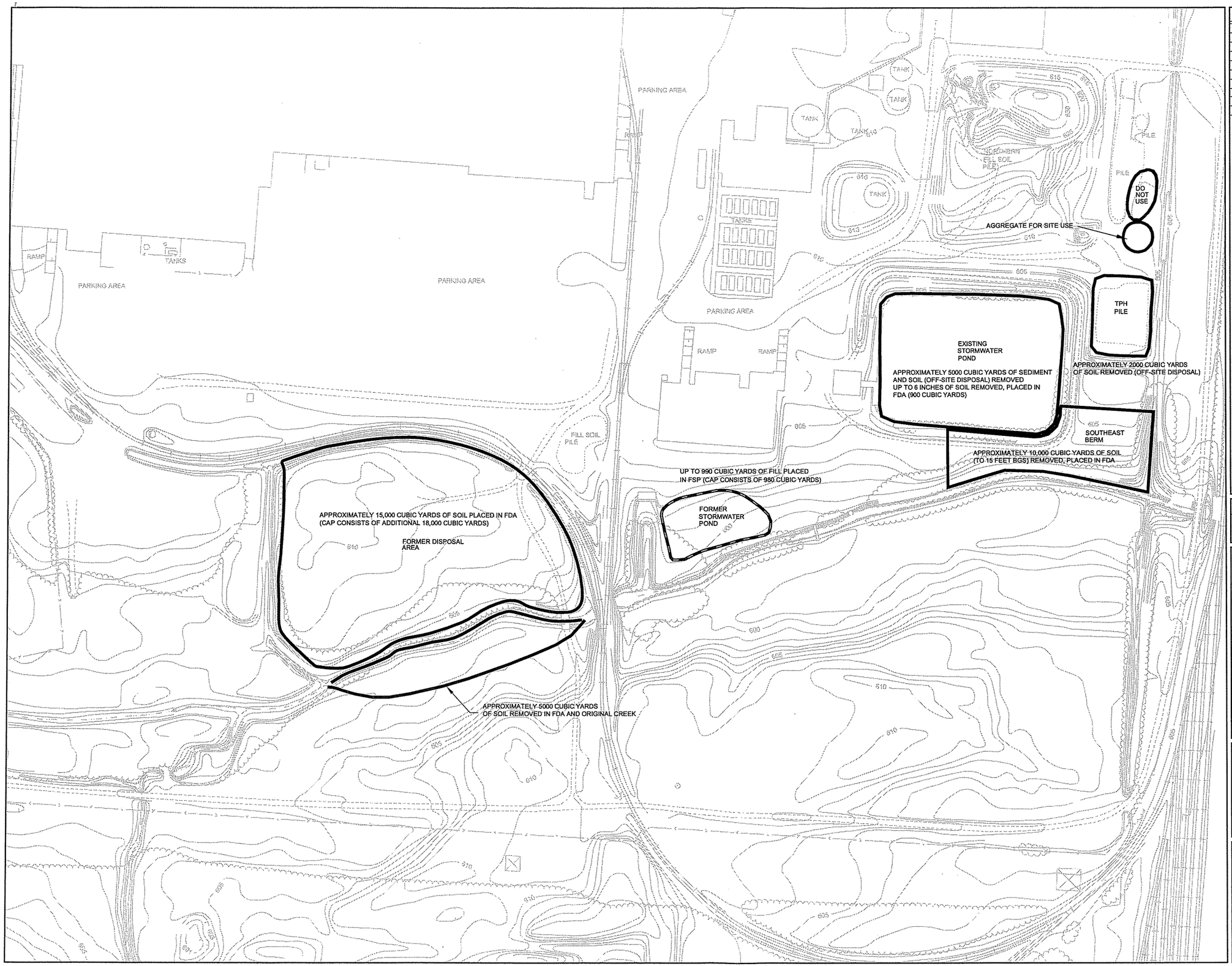
CIVIL
FENCING DETAILS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: N.T.S.	Project N°: 12609-09	Report N°: 018	Drawing N°: G-05AR

12609-09(018)GN-WA003 JUL 11/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

N

0 40 80ft

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

OVERALL GRADING QUANTITIES

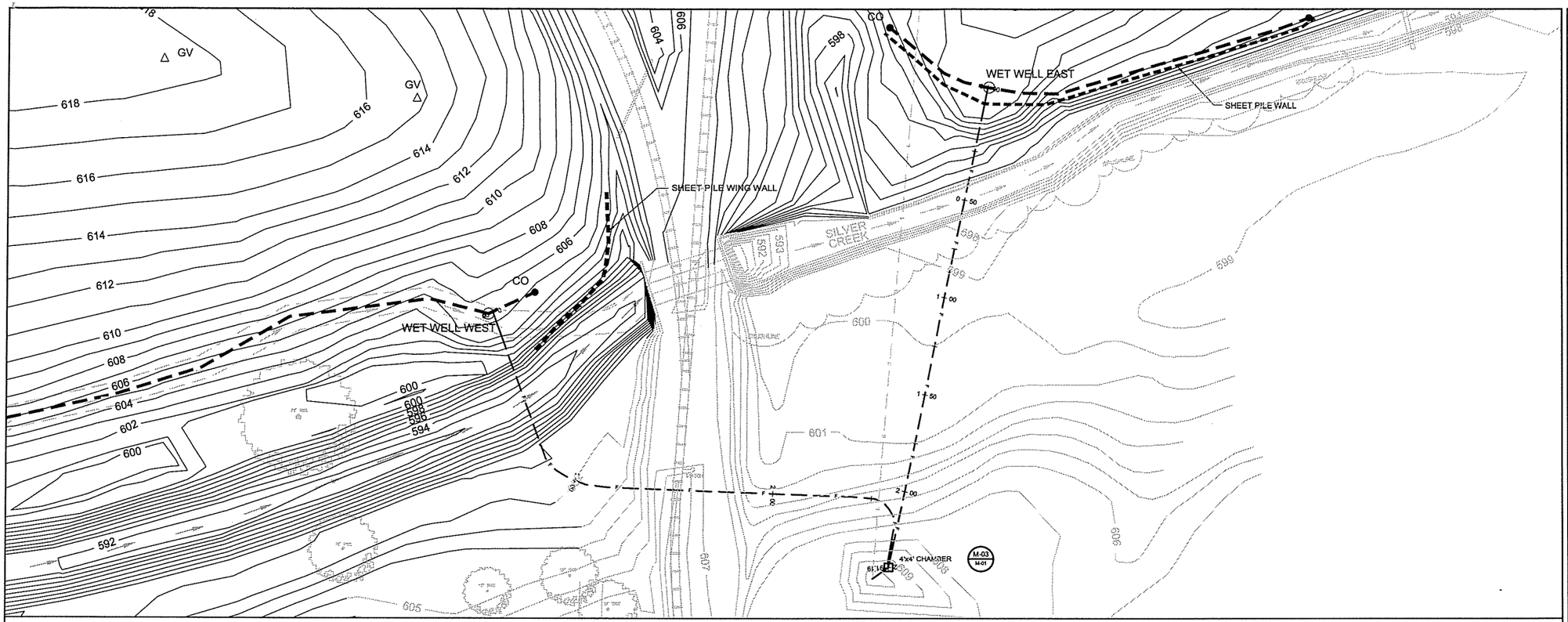
CONESTOGA-ROVERS & ASSOCIATES

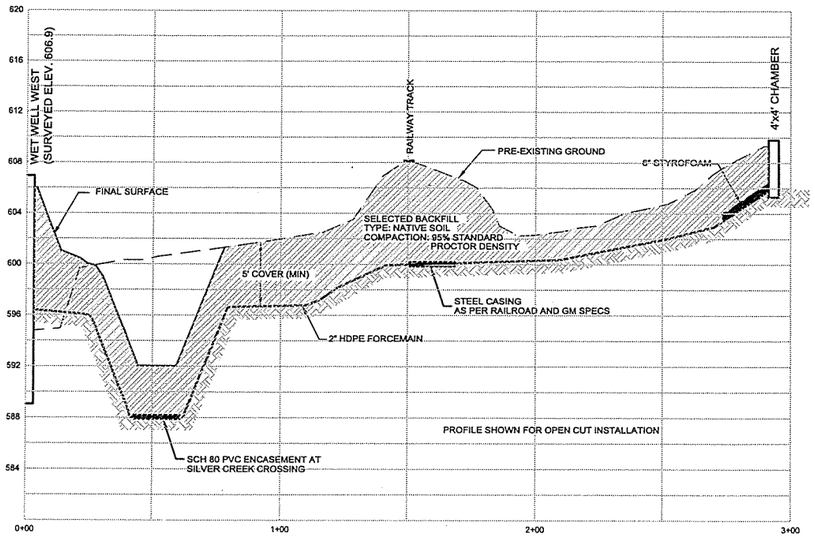
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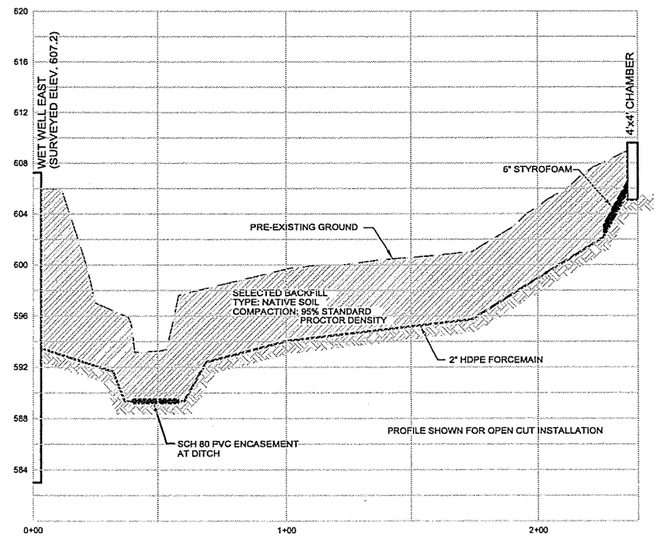
ABRAMS AERIAL SURVEY CORP. NOV. 24, 1997 PHOTOGRAPHY

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=80'	Project No: 12609-09	Report No: 018	Drawing No: G-06AR

12609-09(018)GN-WA007 JUL 11/2001







No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- S — SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 — FINAL CONTOUR
- NEW CHANNEL
- F — FORCEMAIN
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- LEACHATE COLLECTION SYSTEM

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

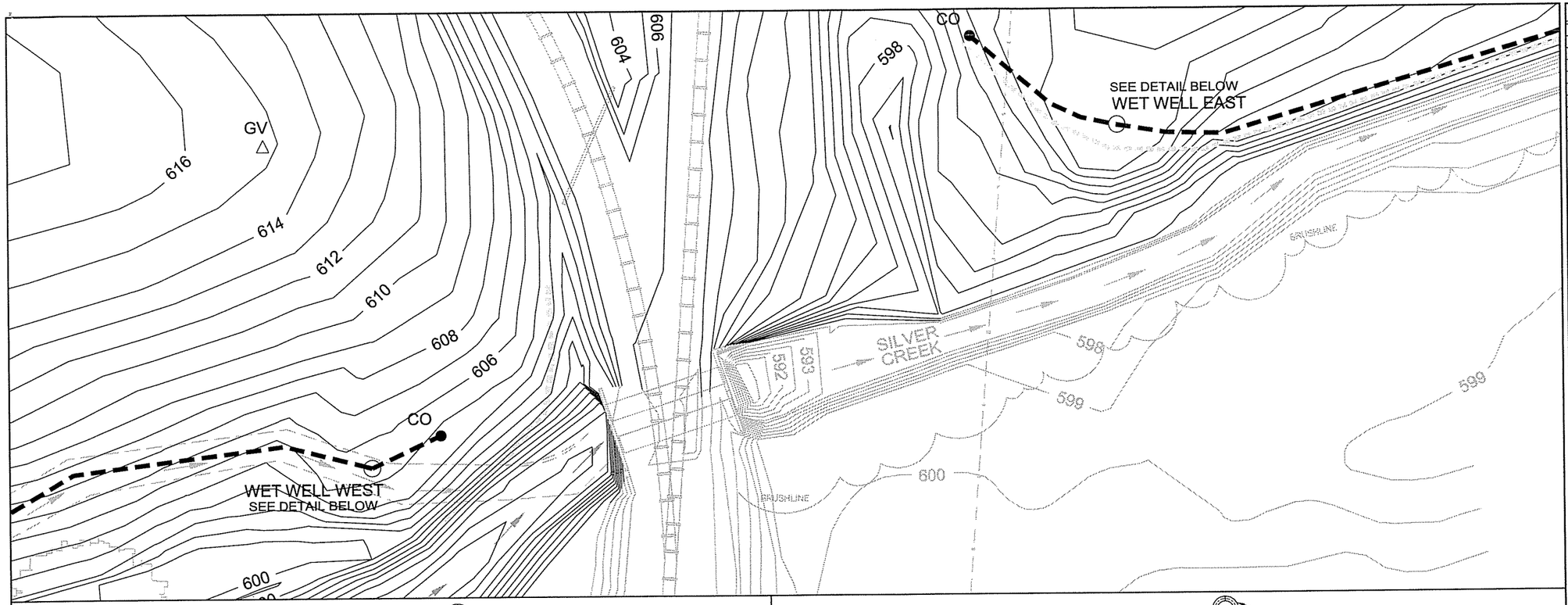
FORCEMAINS
PLAN AND PROFILE

CONESTOGA-ROVERS & ASSOCIATES

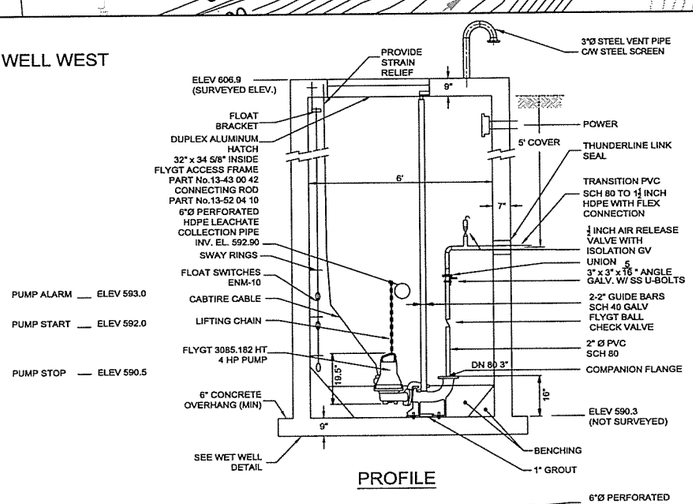
Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO, DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=30' VERT. 1"=6'	Project No: 12609-09	Report No: 018	Drawing No: M-01AR

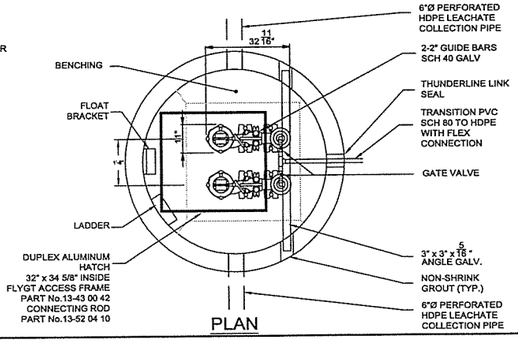
12609-09(018)ME-WA003 JUL 11/2001



WET WELL WEST

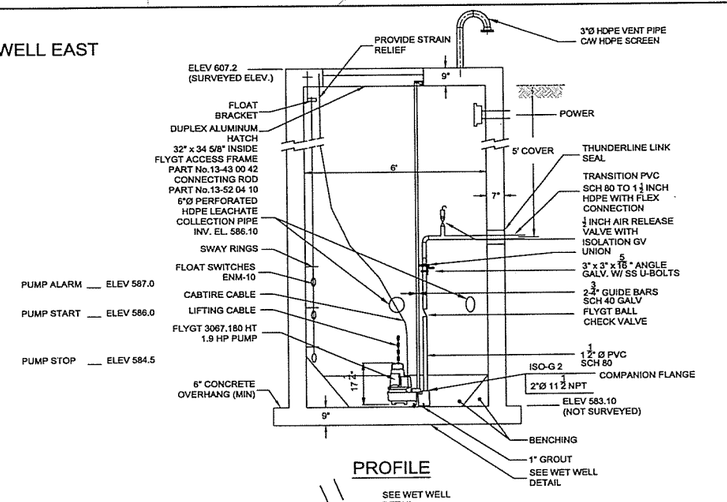


PROFILE

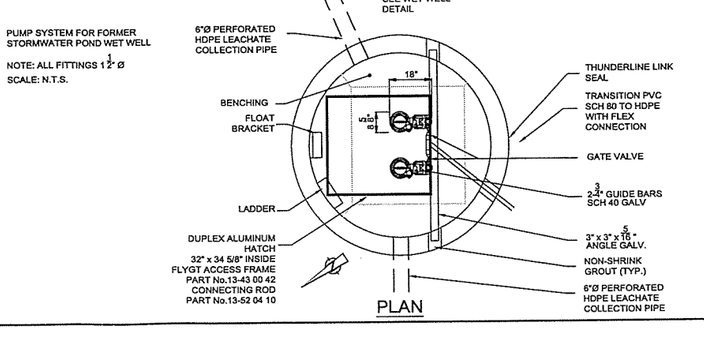


PLAN

WET WELL EAST



PROFILE



PLAN

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

N

0 10 20ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 — FINAL CONTOUR
- NEW CHANNEL
- LEACHATE COLLECTION SYSTEM
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

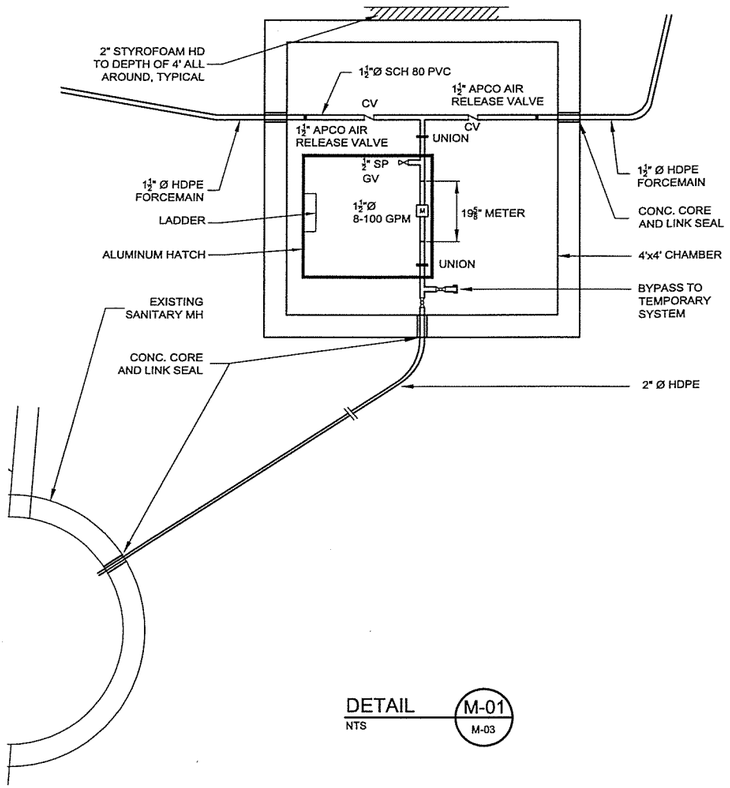
MECHANICAL

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=20'	Project No: 12609-09	Report No: 018	Drawing No: M-02AR

12609-09(018)ME-WA001 JUL 11/2001



DETAIL M-01 (M-03)
NTS

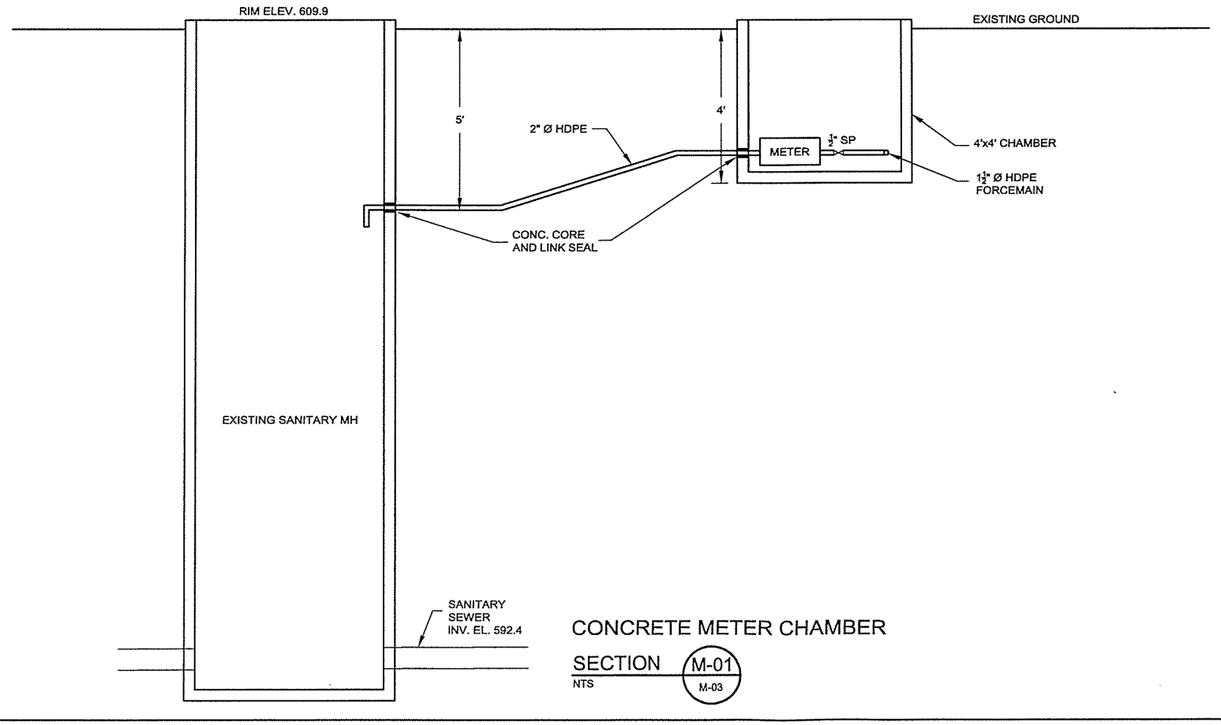
NOTES:

60gpm SYSTEM

1½" BADGER SC-ER INDUSTRIAL METER W/ RUBBER DISC WITH FLOW AND ACCUMULATOR REGISTER

ALL PIPING IN CHAMBER SCH 80 PVC PIPE WITH CEMENT JOINTS. PROVIDE PIPE SUPPORTS AS REQUIRED BY MANUFACTURER.

DOUBLE DOOR LOCKABLE ALUMINUM HATCH TO BE PROVIDED WITH 2" INSULATION.



CONCRETE METER CHAMBER SECTION M-01 (M-03)
NTS

№	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

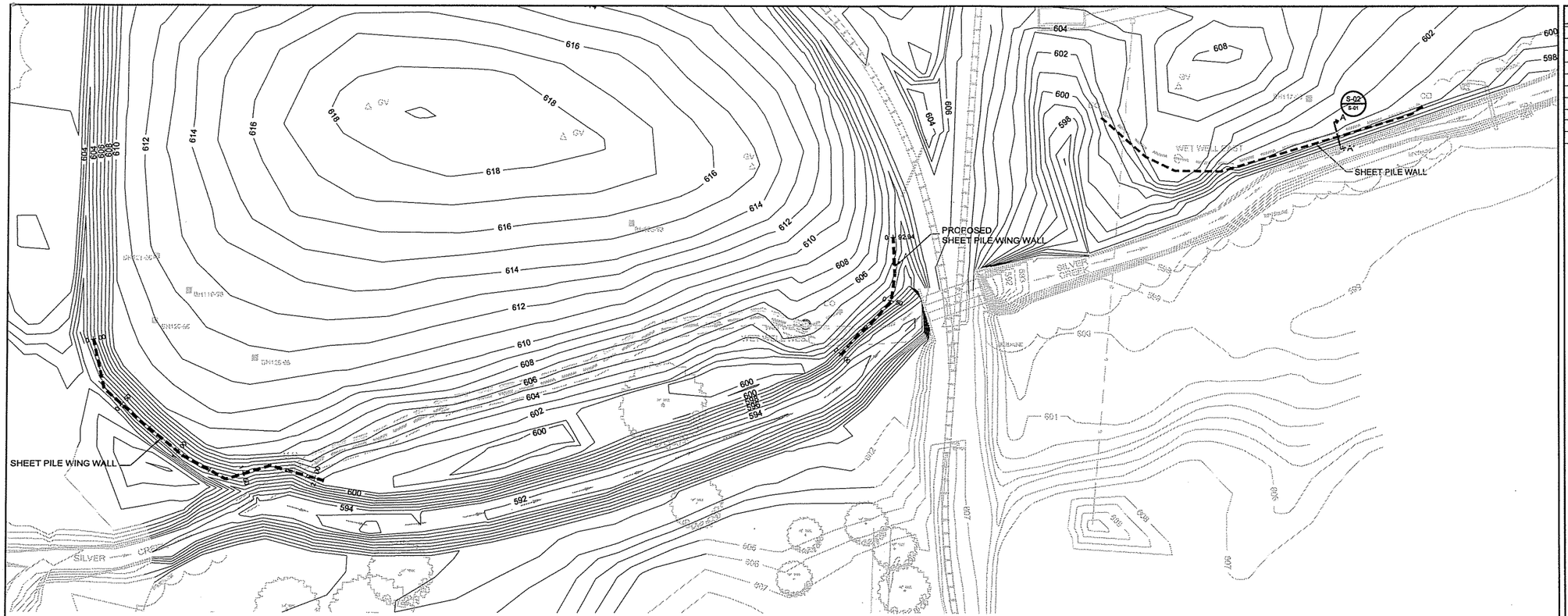
MECHANICAL
DETAIL AND SECTION

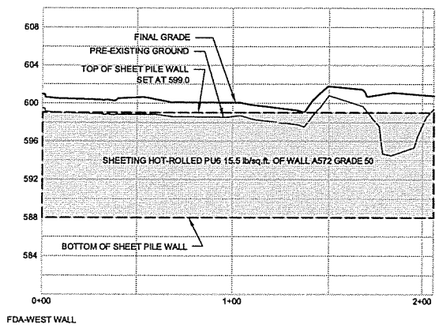
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

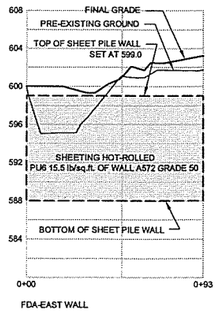
Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: N.T.S.	Project №: 12609-09	Report №: 018	Drawing №: M-03AR

12609-09(018)ME-WA002 JUL 25/2000

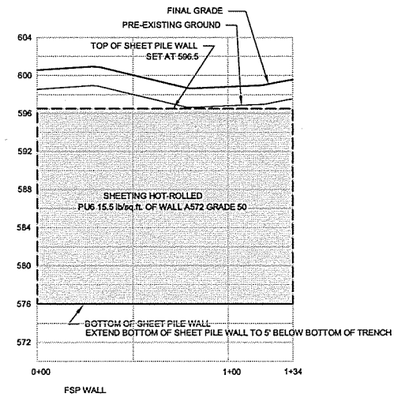




FDA-WEST WALL



FDA-EAST WALL



FSP WALL

No	Revision	Date	Initial

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 FINAL CONTOUR
- NEW CHANNEL
- LEACHATE COLLECTION SYSTEM
- M.H. MANHOLE
- CO CLEANOUT
- WET WELL WET WELL
- GV GAS VENT
- SHEET PILE WALL

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

SHEET PILE WALLS PLAN AND PROFILE

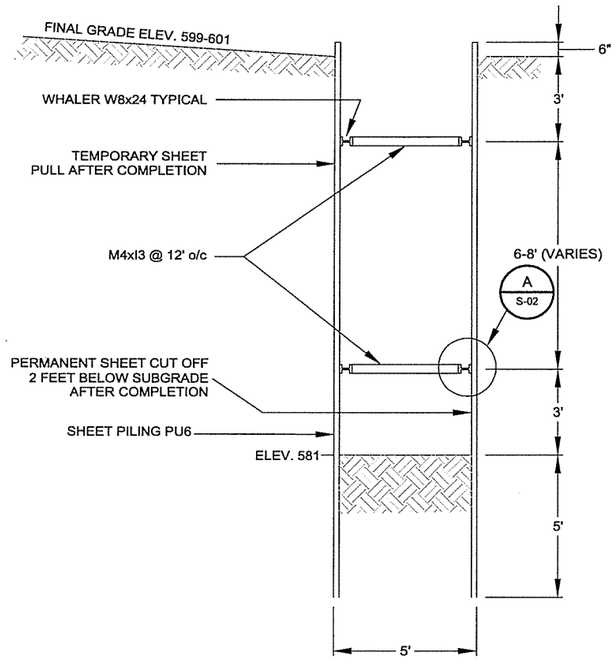
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=40' VERT: 1"=8'	Project No: 12609-09	Report No: 018	Drawing No: S-01AR

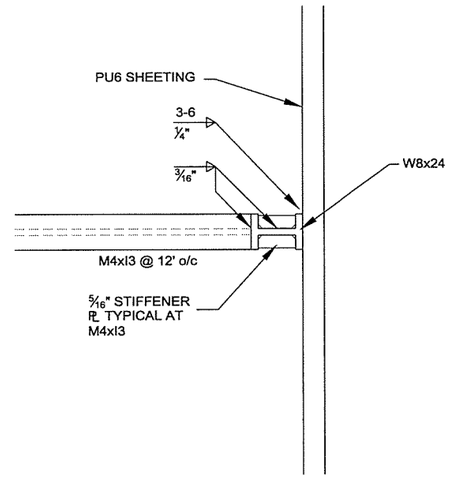
12609-09(018)ST-WA001 JUL 11/2001

FORMER STORMWATER POND



SECTION A-A' (TYP.)

SECTION S-01 / S-02
3/16"=1'



DETAIL A / S-02
NTS

No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

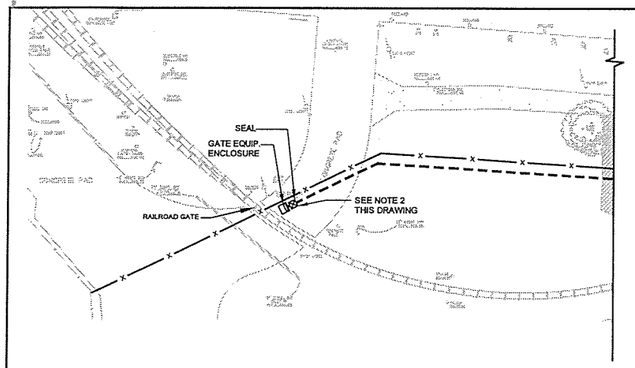
STRUCTURAL SECTIONS
AND DETAILS

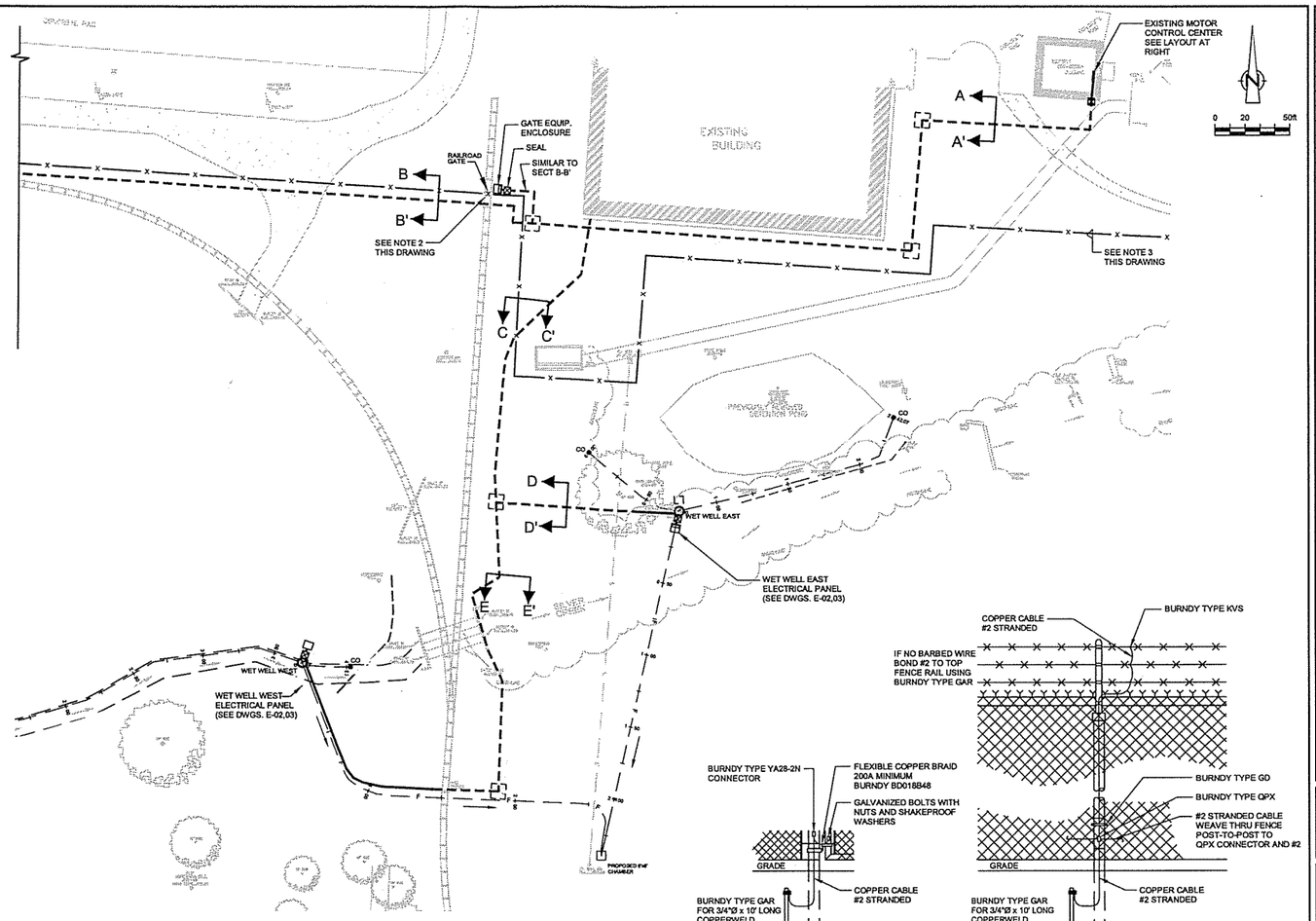
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: AS SHOWN	Project No: 12609-09	Report No: 018	Drawing No: S-02AR

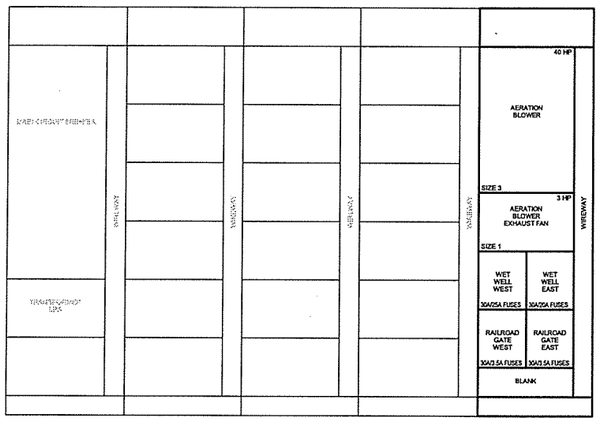
12609-09(018)ST-WA002 JUL 11/2001





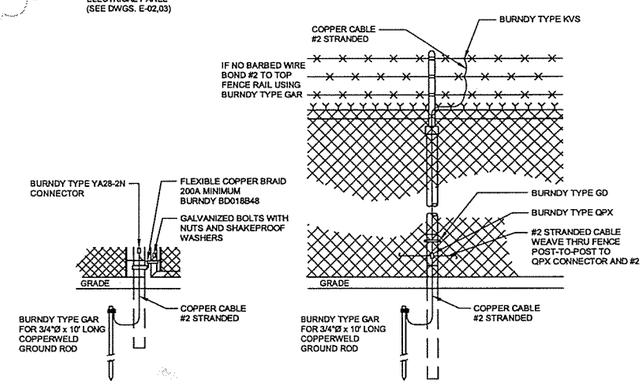
INFORMATION NOT RECEIVED

AS BUILT ELECTRICAL INFORMATION FROM ROMANOFF



EXISTING MOTOR CONTROL CENTER LAYOUT

N.T.S.

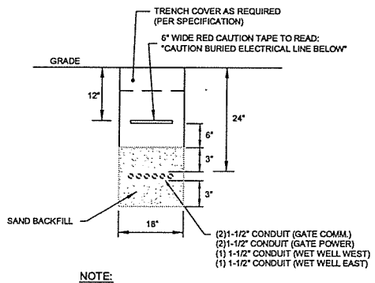


GATE POST FRAME DETAIL

FENCE POST DETAIL

FENCE GROUNDING

N.T.S.



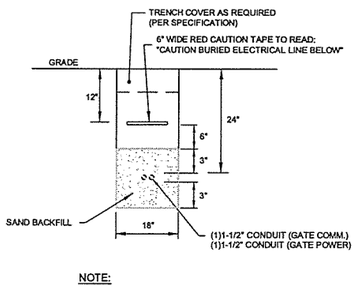
NOTE:

FINAL ORIENTATION OF ELECTRICAL CABLES TO BE FIELD DETERMINED. HOWEVER, BEDDING DEPTHS TO BE MAINTAINED AT ALL TIMES.

TRENCH FOR ELECTRICAL CONDUIT

SECTION A-A'

N.T.S.



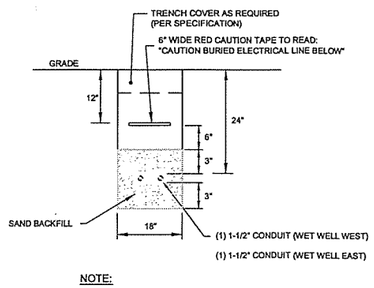
NOTE:

FINAL ORIENTATION OF ELECTRICAL CABLES TO BE FIELD DETERMINED. HOWEVER, BEDDING DEPTHS TO BE MAINTAINED AT ALL TIMES.

TRENCH FOR ELECTRICAL CONDUIT

SECTION B-B'

N.T.S.



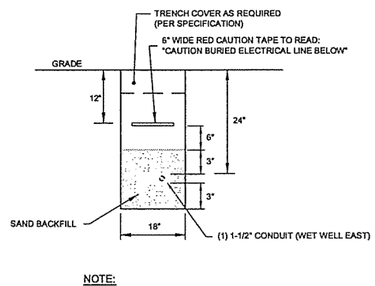
NOTE:

FINAL ORIENTATION OF ELECTRICAL CABLES TO BE FIELD DETERMINED. HOWEVER, BEDDING DEPTHS TO BE MAINTAINED AT ALL TIMES.

TRENCH FOR ELECTRICAL CONDUIT

SECTION C-C'

N.T.S.



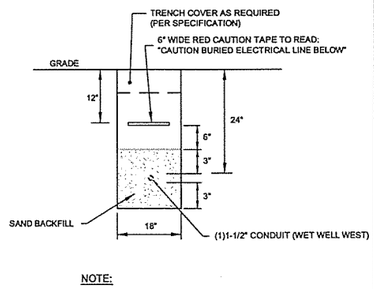
NOTE:

FINAL ORIENTATION OF ELECTRICAL CABLES TO BE FIELD DETERMINED. HOWEVER, BEDDING DEPTHS TO BE MAINTAINED AT ALL TIMES.

TRENCH FOR ELECTRICAL CONDUIT

SECTION D-D'

N.T.S.



NOTE:

FINAL ORIENTATION OF ELECTRICAL CABLES TO BE FIELD DETERMINED. HOWEVER, BEDDING DEPTHS TO BE MAINTAINED AT ALL TIMES.

TRENCH FOR ELECTRICAL CONDUIT

SECTION E-E'

N.T.S.

NO	Revision	Date	Initial
1	CONDUIT SEAL DETAILS	6/20/00	DLS
1	PEER REVIEWED	JUNE 2000	KCA

LEGEND

- RIGID GALVANIZED STEEL CONDUIT
- PVC SCHEDULE 80 CONDUIT
- HANDHOLE - CHRISTY H20 BOX
- CONDUIT SEAL
- FENCE

NOTES

1. SUPPLY CONDUIT SEALS AT EACH CONDUIT PROTRUDING THRU GROUND LOCATION. THE SEAL SHALL BE PLACED AT CONDUIT ENTRANCE TO EQUIPMENT ENCLOSURES AND BUILDINGS.
2. SUPPLY POWER AND COMMUNICATION WIRING TO (2) RAILROAD GATES. OBTAIN GM PLANT COMMUNICATION WIRING SPECS AND COORDINATE COMMUNICATION WIRING TIE-IN POINTS WITH GM PERSONNEL.
3. BOND THE NEW FENCE TO THE EXISTING ONE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

ELECTRICAL
SITE PLAN

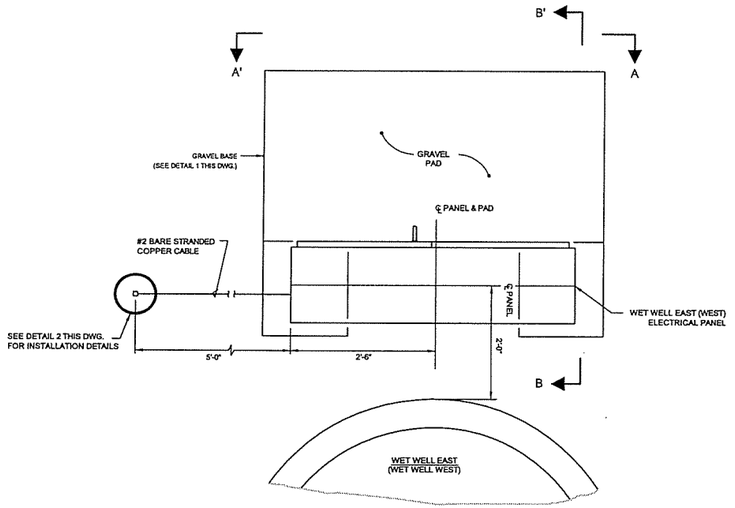
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

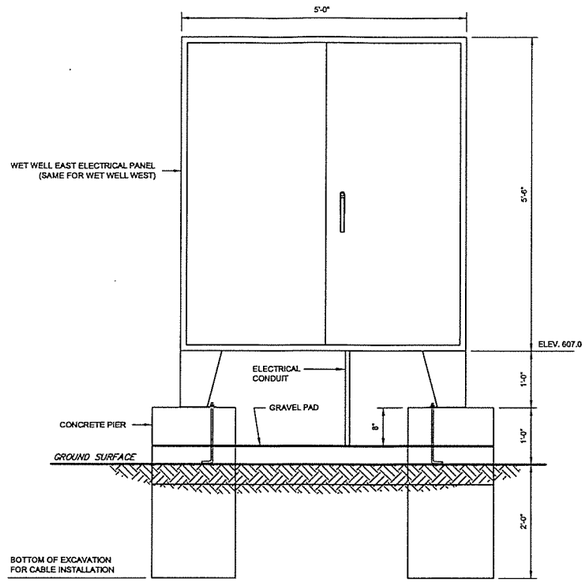
Project Manager:	Reviewed By:	Date:	
D.WAGNER	B.ELKIN	JULY 2000	
Scale: 1"=50'	Project No: 12609-09	Report No: 018	Drawing No: E-01AR

12609-09(018)EL-NF001 FEB 21/2001

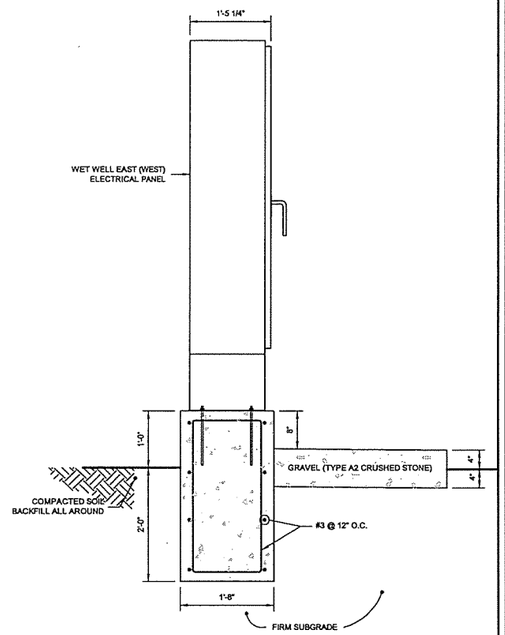
ITEM	QTY.	DESCRIPTION	MANUFACTURER	PART/MODEL NUMBER
1	1	NEMA 4X STAINLESS STEEL, DOUBLE DOOR ENCLOSURE, 66"x30"x18" WITH 12" HIGH FLOOR STANDS	HENNESSY PRODUCTS, INC.	REFERENCE
2				



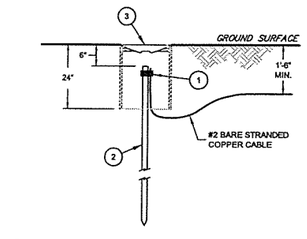
PLAN VIEW
WET WELL ELECTRICAL PANEL
3/4" = 1'-0"



SECTION VIEW A-A'
WET WELL ELECTRICAL PANEL
3/4" = 1'-0"

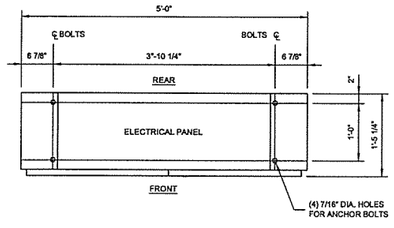


SECTION VIEW B-B'
WET WELL ELECTRICAL PANEL
3/4" = 1'-0"

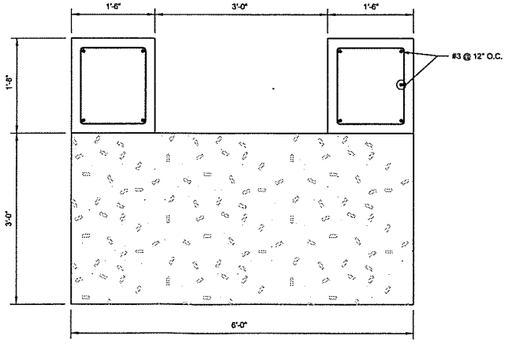


1	CONNECTOR:	BURNDY CAT. No. GAR-6426 (1 CABLE) OR GP6426 (2 CABLES)
2	GROUND ROD:.	COPPERWELD, 3/4" DIA. x 10' LG.
3	INSPECTION WELL:	8" DIAMETER BY 24" LONG CONCRETE PIPE WITH BELLED END AND CAST IRON COVER W/LEGEND "GROUND"

GROUNDING ROD INSTALLATION
INSPECTION TYPE
DETAIL 2
N.T.S.



PANEL MOUNTING PATTERN
3/4" = 1'-0"



GRAVEL BASE
DETAIL 1
3/4" = 1'-0"

CONCRETE NOTES

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301, 315 AND 318 SPECIFICATIONS.
2. LATEST REVISION AND/OR VERSION OF ALL CODES AND REFERENCE STANDARDS SHALL BE FOLLOWED.
3. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. SLUMP SHALL BE 3 1/2 INCHES ± 1 INCH.
4. CONCRETE SHALL BE AIR ENTRAINED. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE II WITH AIR-ENTRAINING ADMIXTURE CONFORMING TO ASTM C260. AIR CONTENT (% BY VOLUME) SHALL NOT BE LESS THAN 4% NOR GREATER THAN 6.5%, AND SHALL DEPEND ON MAXIMUM SIZE AGGREGATE USED.
5. NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE BASED COMPOUNDS. FLYASH AND POZZOLAN CONTENT SHALL NOT EXCEED 20% BY WEIGHT OF CEMENT.
6. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 SPECIFICATIONS.
7. CONCRETE PROTECTION FOR REINFORCING BARS (UNLESS OTHERWISE NOTED):
   A. FOOTINGS - 3 INCH BOTTOM AND SIDES, 2 INCH TOP
   B. GRADE BEAMS - 2 INCH BOTTOM AND SIDES, 1 1/2 INCH TOP (TO STIRRUPS)
   C. PIERS - 1 1/2 INCH (TO TIES)
   D. FORMED SLABS - 1 1/2 INCH TOP AND BOTTOM
   E. WALLS AND PADS - 2 INCH
   F. EXTERIOR SLABS ON FILL - 2 1/2 INCH BOTTOM, 2 INCH TOP
   G. INTERIOR SLABS ON FILL - 2 1/2 INCH BOTTOM, 1 1/2 INCH TOP
8. NO CONSTRUCTION JOINT SHALL BE MADE UNLESS SHOWN ON DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
9. EXPOSED EDGES OF PIERS AND PADS SHALL HAVE 3/4 INCH CHAMFER.
10. TROWEL FINISHED TO WITHIN 1/8 INCH OF ELEVATIONS SHOWN. FOLLOWING TROWELLING, PAD TO BE PROVIDED WITH NON-SLIP MEDIUM BROOM FINISH.

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

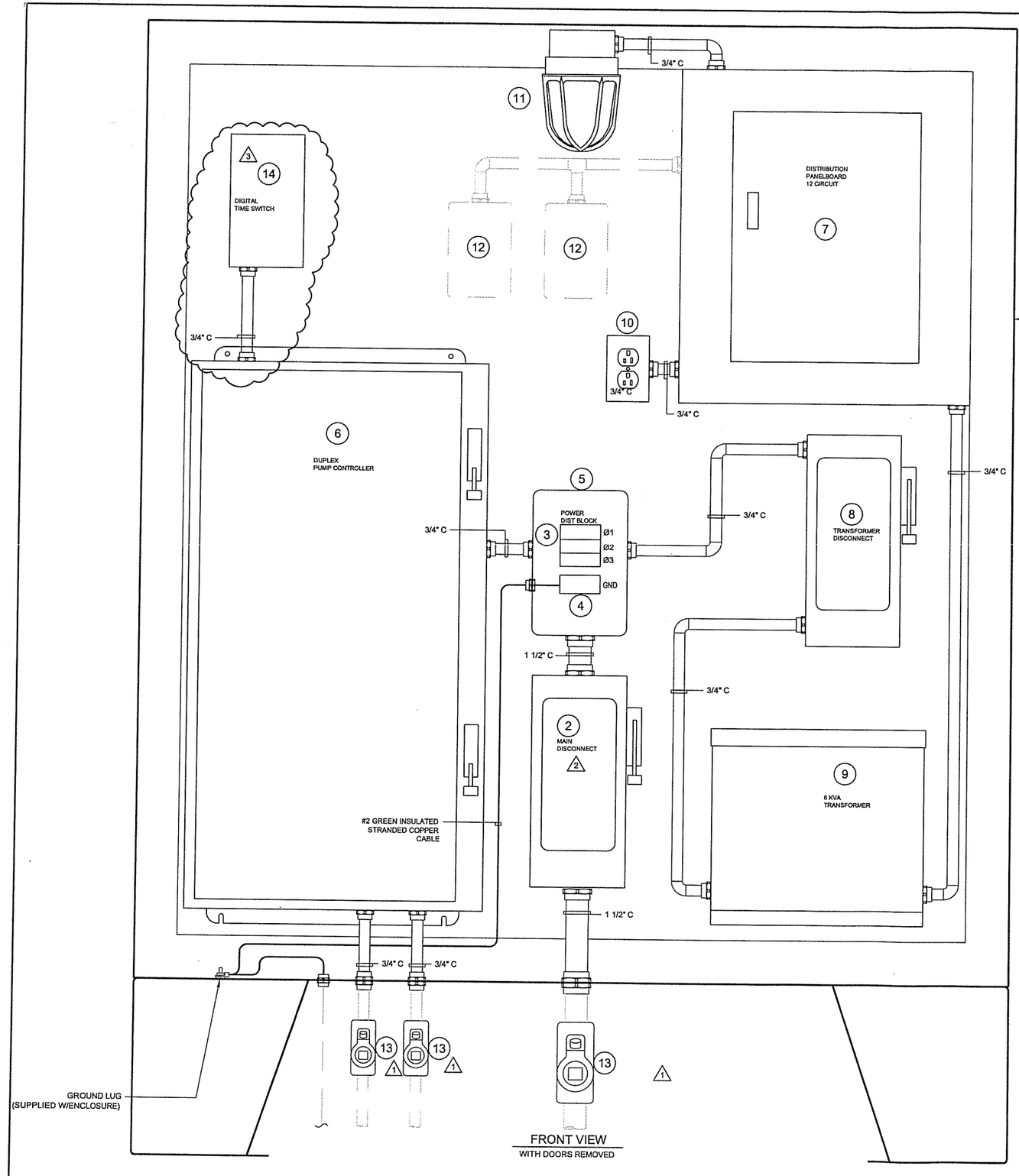
ELECTRICAL INSTALLATION
WET WELL EAST (WEST) ELECT. PANEL

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	B.ELKIN	JULY 2000	
Scale: 1"=1'-0"	Project NO: 12609-09	Report NO: 018	Drawing NO: E-02AR

12609-09(018)EL-NF002 JUL 25/2000



FRONT VIEW
WITH DOORS REMOVED

BILL OF MATERIAL

ITEM	NO.	DESCRIPTION
1	1	SM666016 NEMA 4X STAINLESS STEEL ENCLOSURE 66"H x 60"W x 16"D COMPLETE EITH 60" x 54" BACK PANEL, 3-POINT DOOR LATCHING SYSTEM W/PADLOCK PROVISIONS, LIFTING EYES, AND SLOPPED TOP
2	1	SQUARE-D 30A HEAVY DUTY SAFETY SWITCH NEMA 12 CAT. #H361AWK WITH FRS-R FUSES (SIZE AS ON SCHEMATIC)
3	1	SQUARE-D POWER DISTRIBUTION BLOCK CAT. #LBA362104 3-POLE
4	1	SQUARE-D POWER DISTRIBUTION BLOCK CAT. #LBA362104 3-POLE W/COVER #LB23
5	1	HOFFMAN FIBERGLASS NEMA 4X ENCLOSURE CAT. #A-1066JFGR W/PANEL A-8P6 10"H x 6.5"W x 6"D
6	1	SQUARE-D AC DUPLEX MOTOR CONTROLLER NEMA 4 460V 3Ø, 5 HP, CAT. #UBW10V02
7	1	SQUARE-D NQOD PANEL 100A MAINS 12 CIRCUITS, 3Ø, 4W W/(1) QOB-325 MCB AND (5) QOB-115, (1) QOB-115GFI BRANCH CB'S
8	1	SQUARE-D 30A HEAVY DUTY SAFETY SWITCH NEMA 4 CAT. #H361DS WITH FRS-R-15 FUSES
9	1	SQUARE-D DRY TYPE TRANSFORMER 3Ø 6kVA 480V-208Y/120V CAT.#6T2F
10	1	HUBBELL DUPLEX RECEPTACLE CAT.#5362 MOUNTED IN BOX #6080 WITH COVER #95101
11	1	CROUSE-HINDS INCANDESCENT LIGHTING FIXTURE CAT.#VXHF2525GP WITH GLOBE AND GUARD
12	2	NEXTEQ LIMITED S-1.5C SCALEFREE SYSTEM PURCHASED AND INSTALLED BY OTHERS
1 13	3	CONDUIT SEAL - SIZE AS REQUIRED (INSTALLED BY ELECTRICAL CONTRACTOR)
3 14	1	TORK DIGITAL TIME SWITCH CAT. #DW200A

WET WELL EAST ELECTRICAL PANEL (MAIN DISCONNECT INSIDE)

NAMEPLATE TO BE LOCATED ON FRONT OF ELECTRICAL PANEL
WHITE WITH BLACK LETTERS

2

WET WELL EAST ELECTRICAL PANEL (MAIN DISCONNECT INSIDE)

NAMEPLATE TO BE LOCATED ON FRONT OF ELECTRICAL PANEL
WHITE WITH BLACK LETTERS

2

NO	Revision	Date	Initial
1	CONDUIT SEAL DETAILS	6/20/00	DLS
2	REVISED ITEM #2	8/04/00	DLS
3	ADDED ITEM #14	02/02/01	DLS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

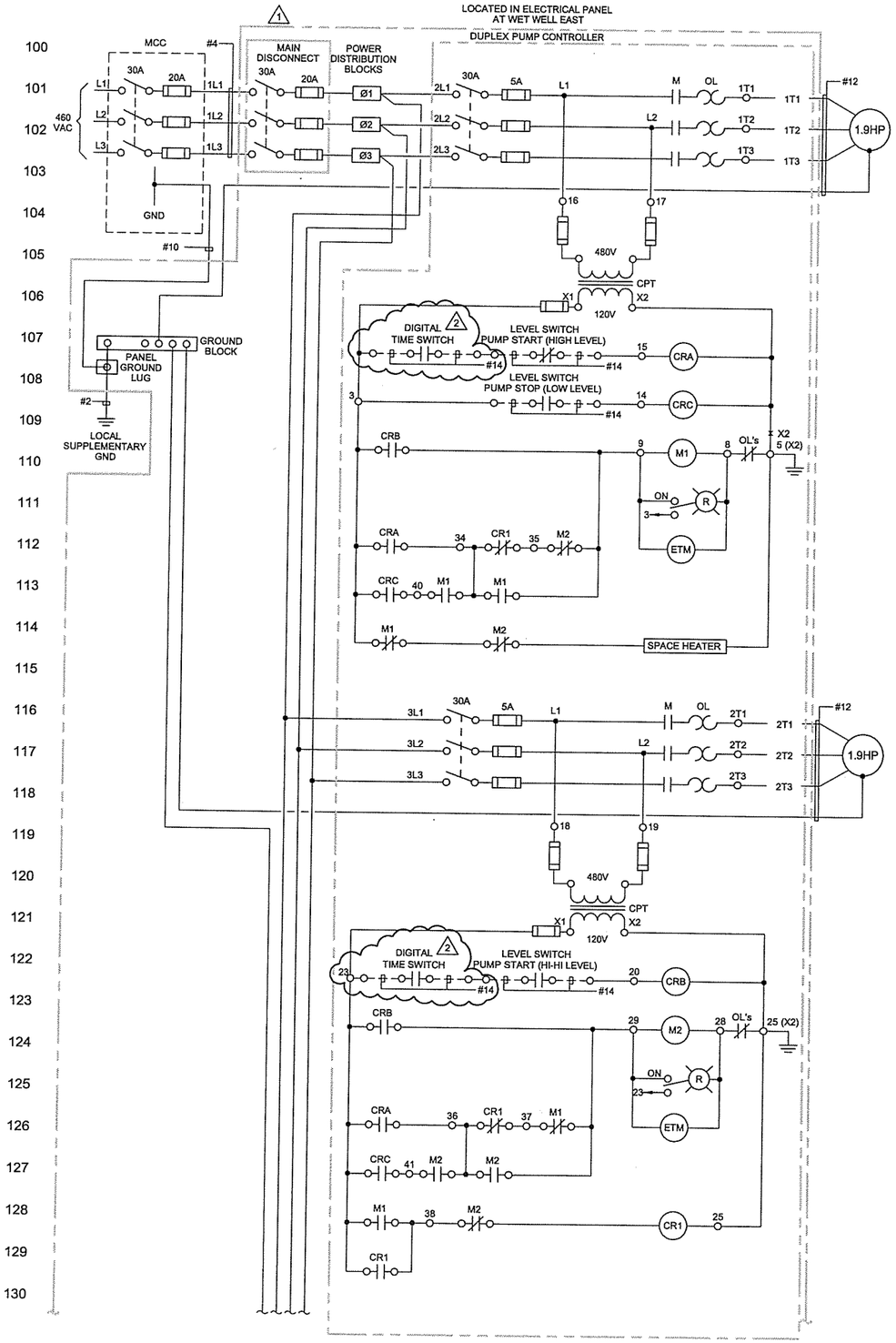
WET WELL EAST (WEST)
ELECTRICAL PANEL

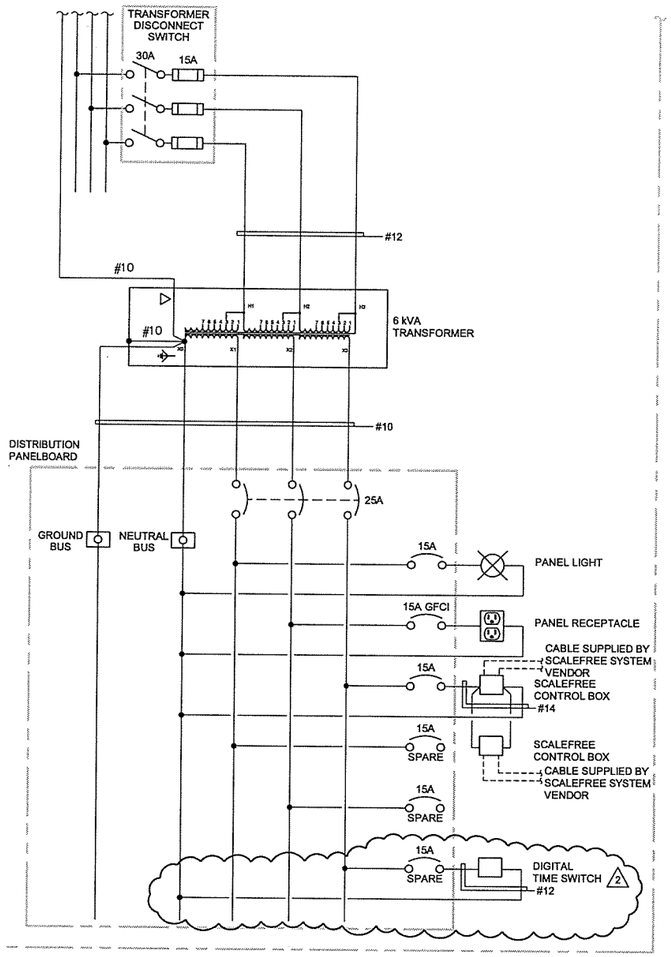
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	B.ELKIN	JULY 2000	
Scale: 1"=1'-0"	Project №: 12609-09	Report №: 018	Drawing №: E-03AR

12609-09(018)EL-NF003 FEB 26/2001





NO	Revision	Date	Initial
1	REVISED MAIN DISCONNECT	8/04/00	DLS
2	ADDED TIME SWITCH	02/02/01	DLS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION - AS RECORDED

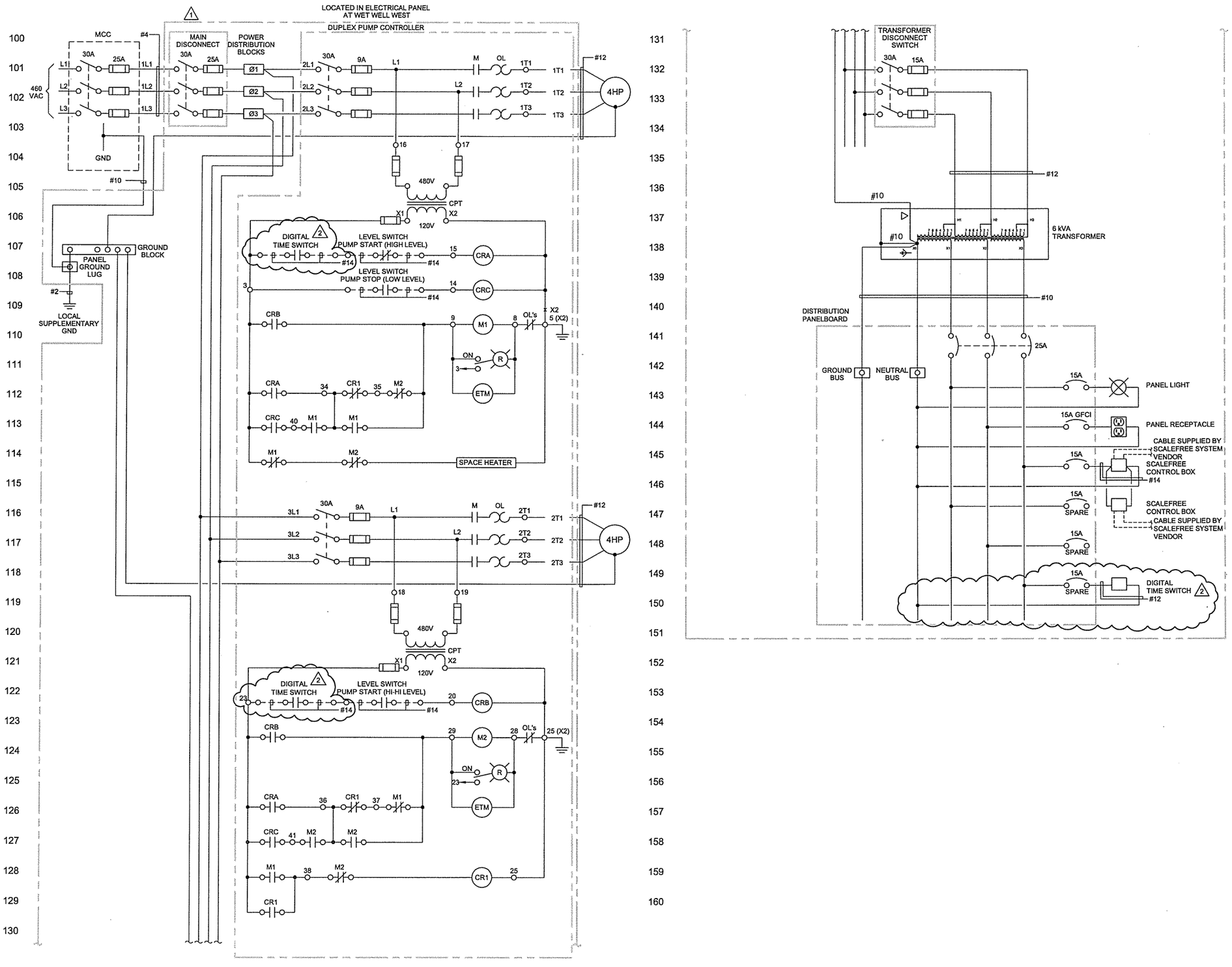
WET WELL EAST ELECTRICAL PANEL SCHEMATIC WIRING DIAGRAM

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	B.ELKIN	JULY 2000	
Scale: NONE	Project NO: 12609-09	Report NO: 018	Drawing NO: E-04AR

12609-09(018)EL-NF004 FEB 26/2001



№	Revision	Date	Initial
1	REVISED MAIN DISCONNECT	8/04/00	DLS
2	ADDED TIME SWITCH	02/02/01	DLS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

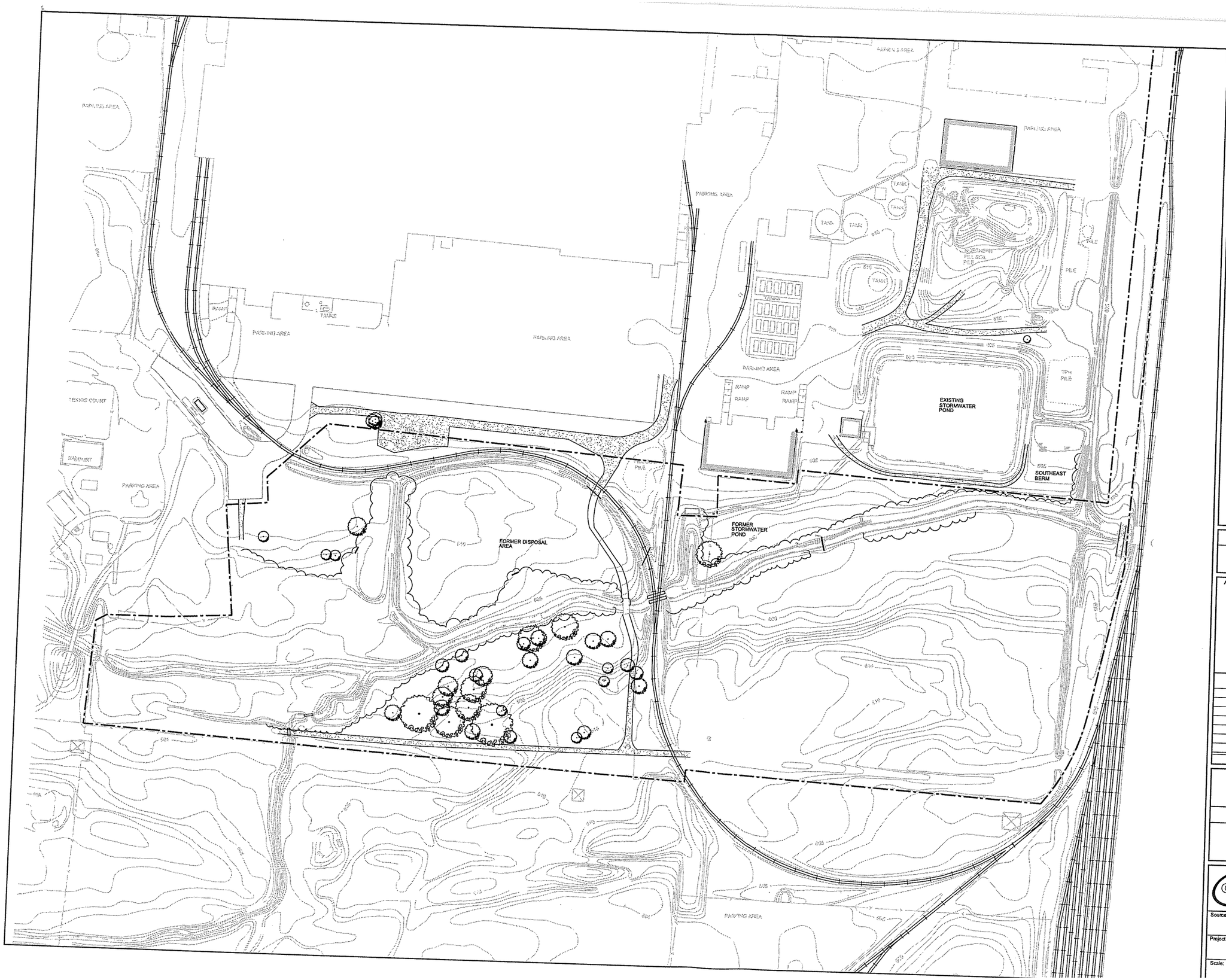
SITE REMEDIATION - AS RECORDED

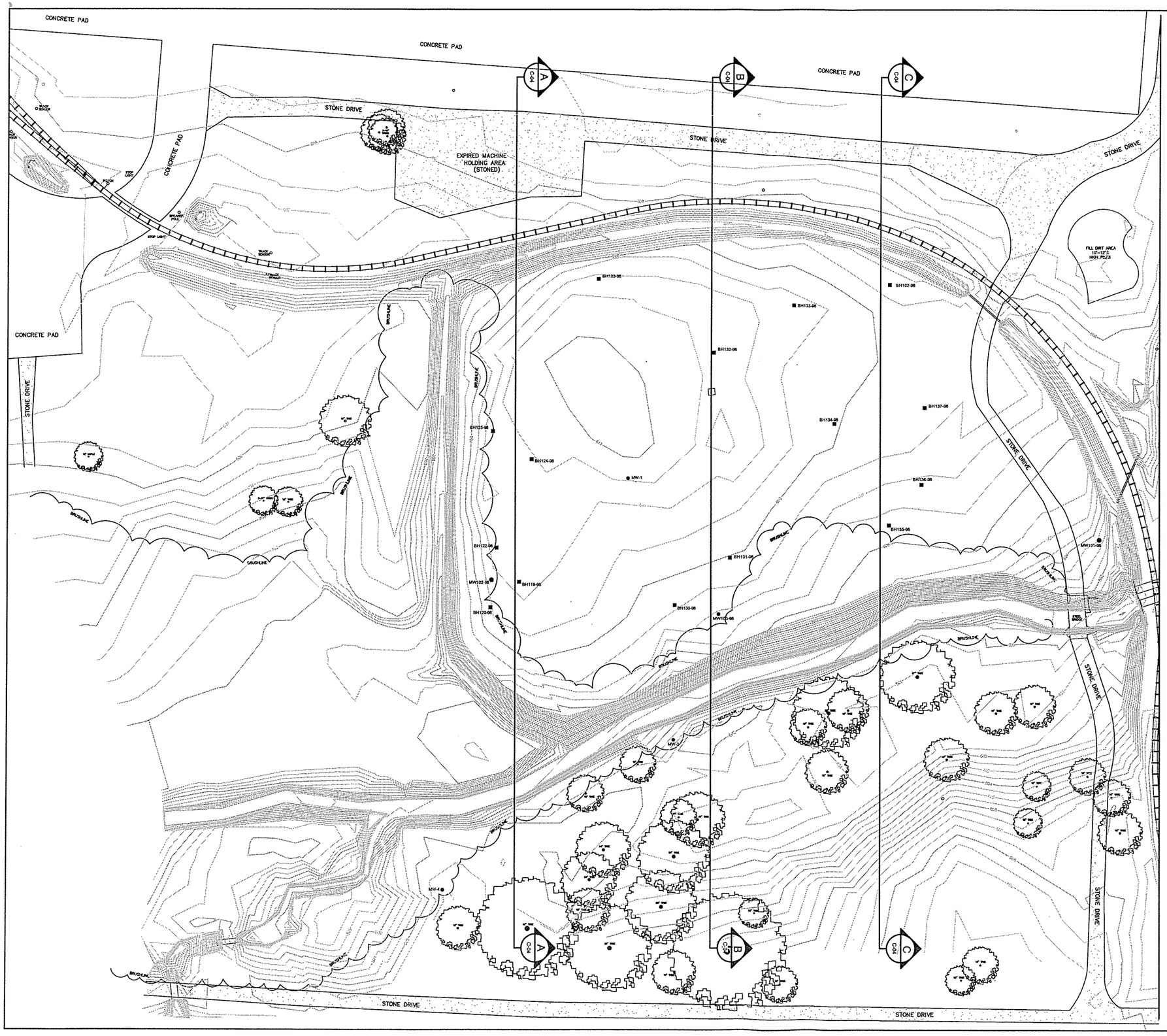
WET WELL WEST ELECTRICAL PANEL SCHEMATIC WIRING DIAGRAM

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	B.ELKIN	JULY 2000	
Scale: NONE	Project №: 12609-09	Report №: 018	Drawing №: E-05AR


PARKING AREA
PARKING AREA
PARKING AREA
PARKING AREA
PARKING AREA
PARKING AREA
PARKING AREA
PARKING AREA
TENNIS COURT
RAMP
RAMP
RAMP
RAMP
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TANK
EXISTING STORMWATER POND
SOUTHEAST BERM
FORMER STORMWATER POND
FORMER DISPOSAL AREA
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PILE
TPH PILE
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615
620
625
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NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 20 40ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- MONITORING WELL
- BOREHOLE LOCATIONS
- ELECTRICAL MANHOLE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

FORMER DISPOSAL AREA
PRE-EXISTING CONDITIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO OHIO. DRAWING #35010-GM

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=40'	Project N°: 12609-09	Report N°: 018	Drawing N°: C-02AR

12609-09(018)CI-WA002 JUL 10/2001



№	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- MONITORING WELL
- BOREHOLE LOCATIONS
- ELECTRICAL MANHOLE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

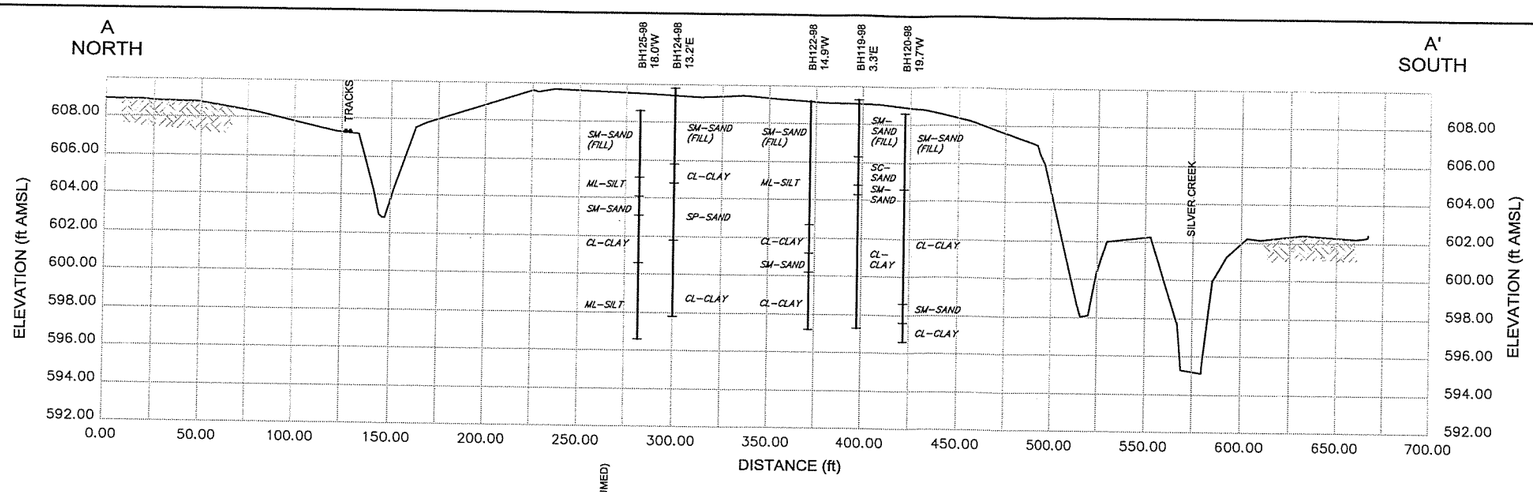
FORMER STORMWATER POND
PRE-EXISTING CONDITIONS

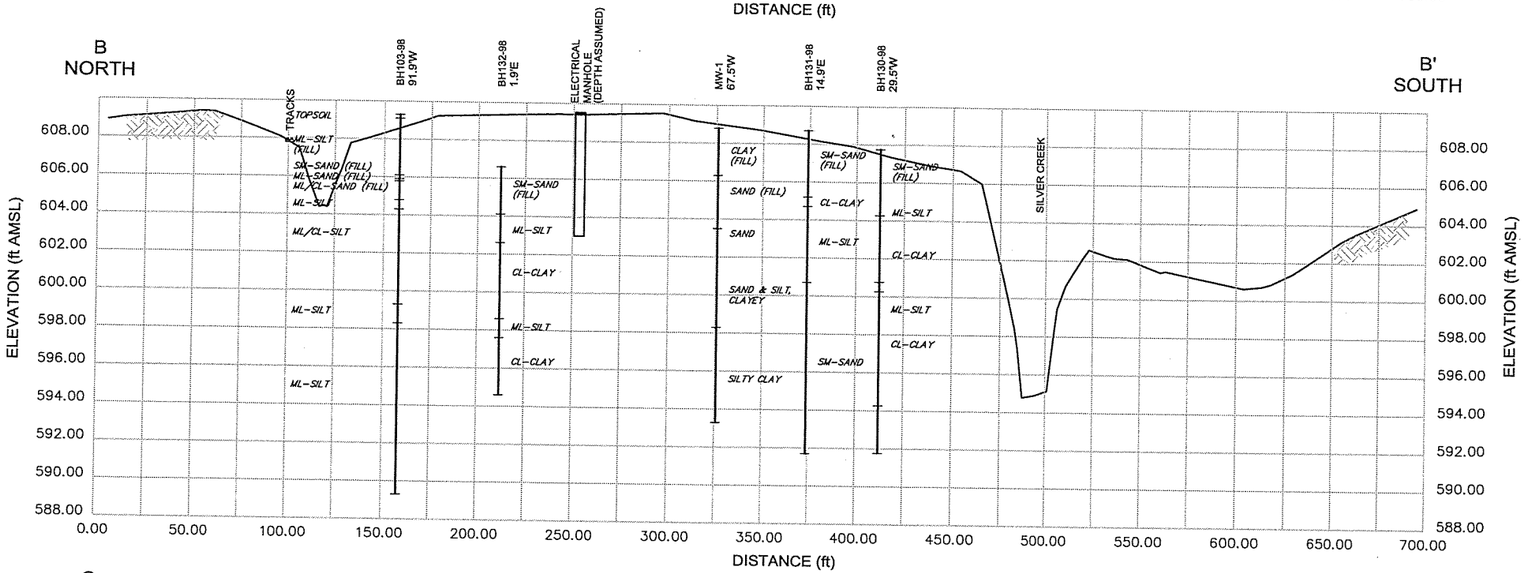
CONESTOGA-ROVERS & ASSOCIATES

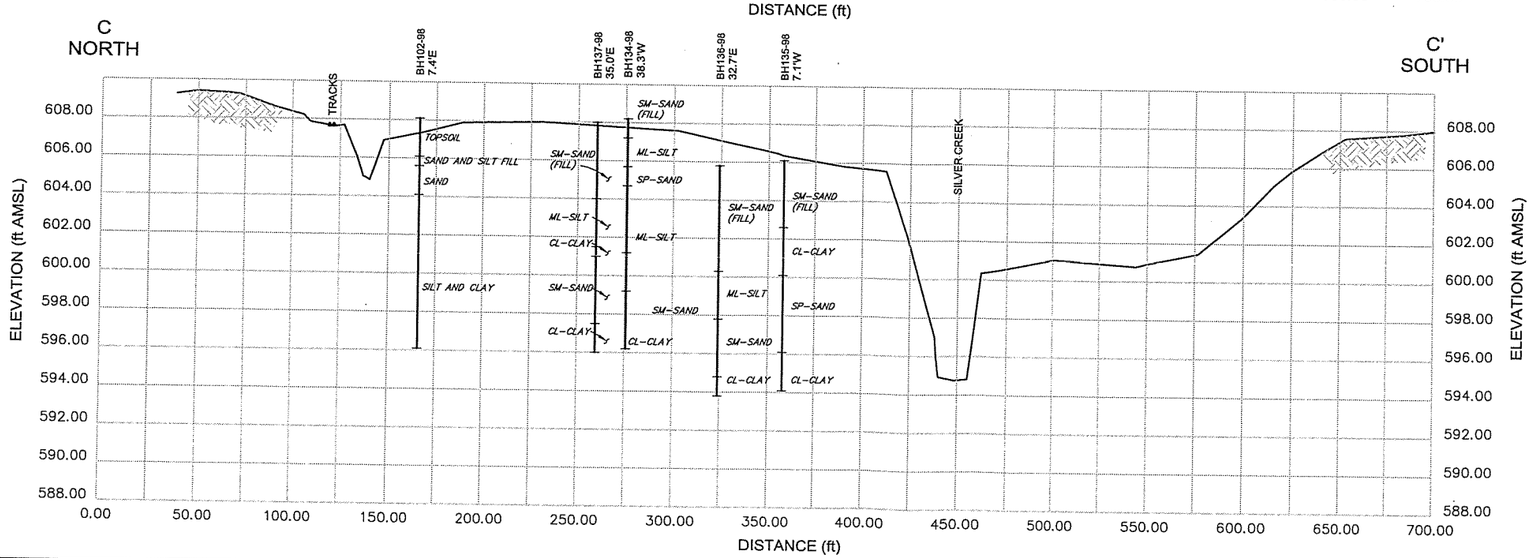
Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=30'	Project №: 12609-09	Report №: 018	Drawing №: C-03AR

12609-09(018)CI-WA006 JUL 10/2001







No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

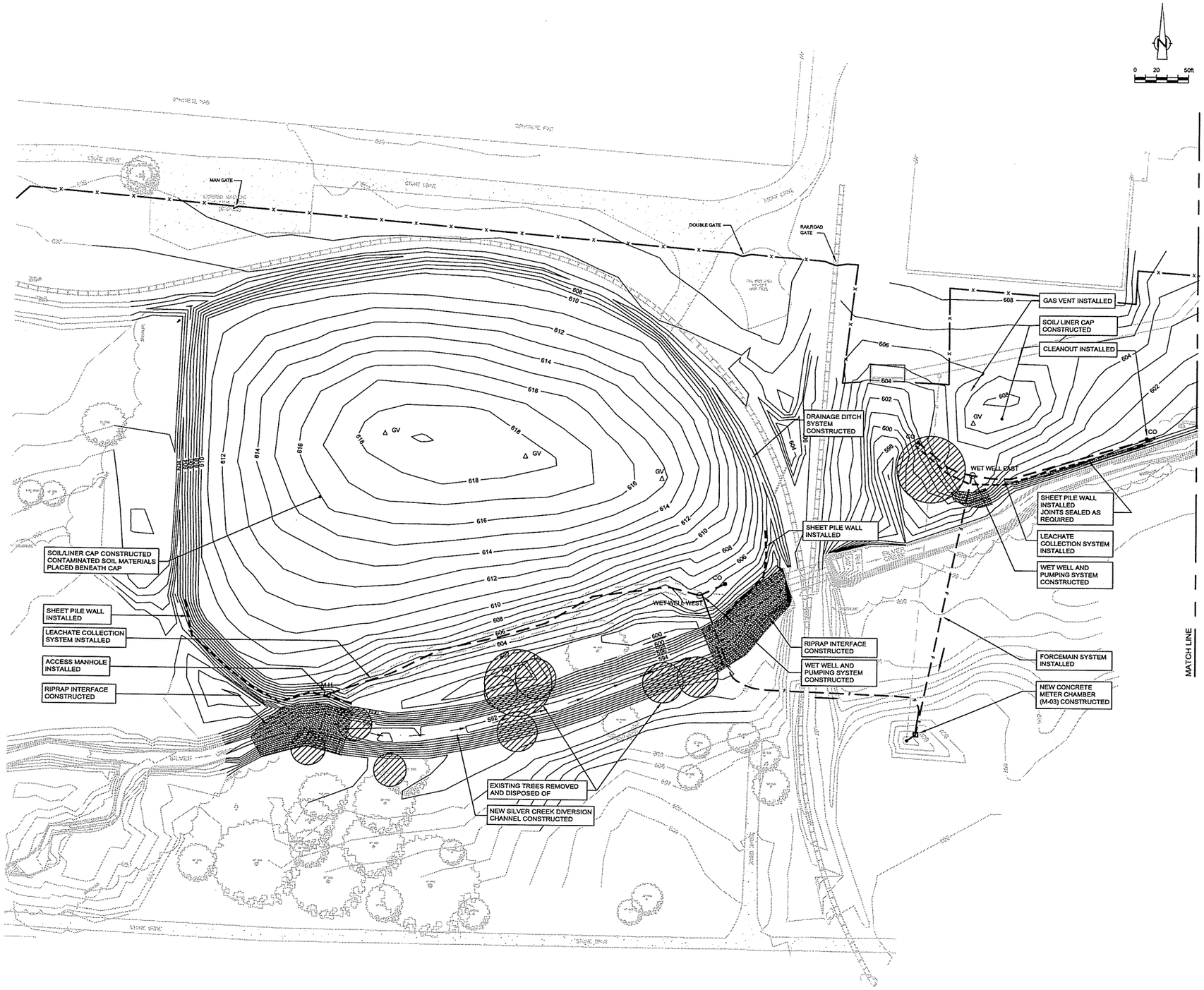
FORMER DISPOSAL AREA
STRATIGRAPHIC CROSS-SECTIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=40' 1"=4'	Project No: 12609-09	Report No: 018	Drawing No: C-04AR

12609-09(018)CI-WA003 JUL 10/2001



NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 — FINAL CONTOUR
- NEW CHANNEL
- LEACHATE COLLECTION SYSTEM
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- F — FORCEMAIN
- LIMIT OF CAP
- DRAINAGE DITCH SYSTEM
- TREE TO BE REMOVED
- x — x — FENCE
- GV — GAS VENT
- RIPRAP

NOTE: TREES THAT WERE REMOVED WERE CHIPPED, STOCKPILED AND SAMPLED

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

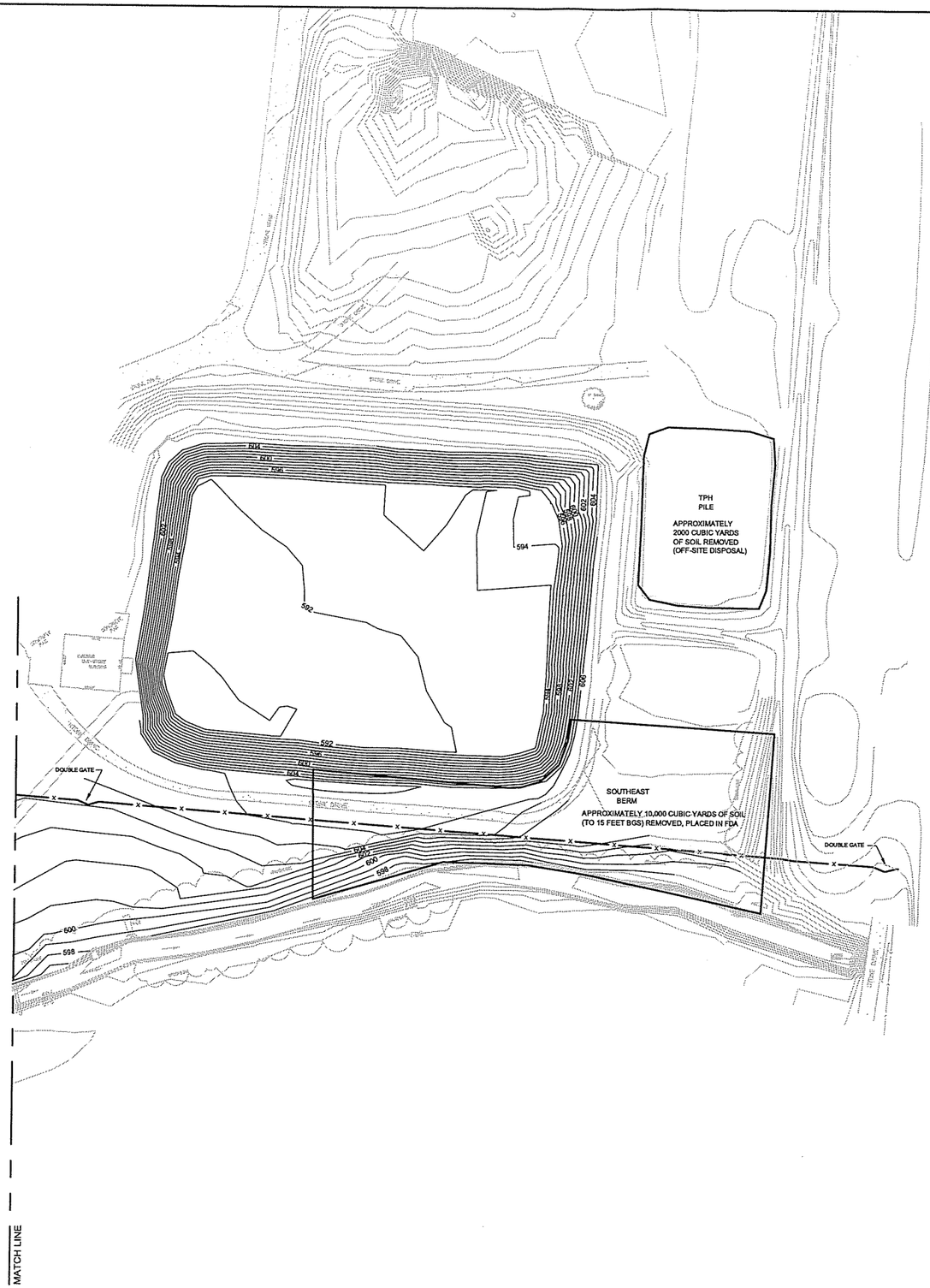
SITE WORKS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=50'	Project №: 12609-09	Report №: 018	Drawing №: C-05AR

12609-09(018)CI-WA015 JUL 10/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 20 50ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- FENCE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

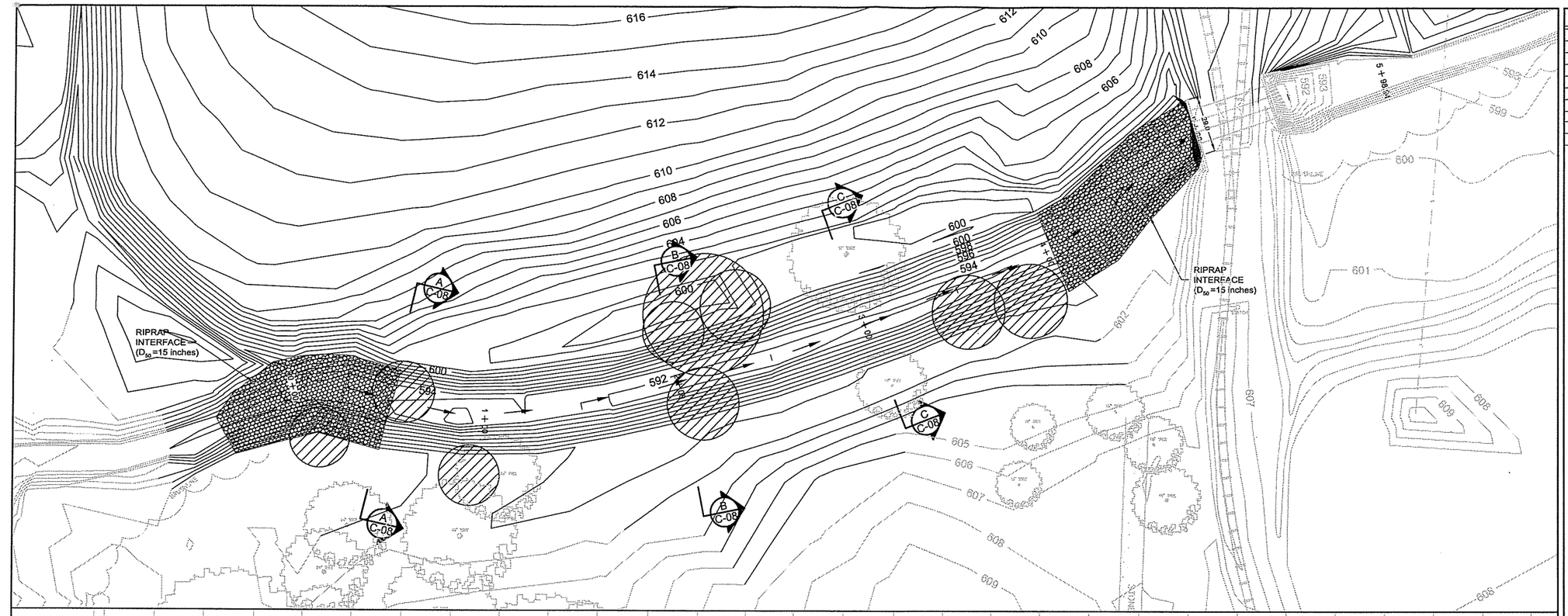
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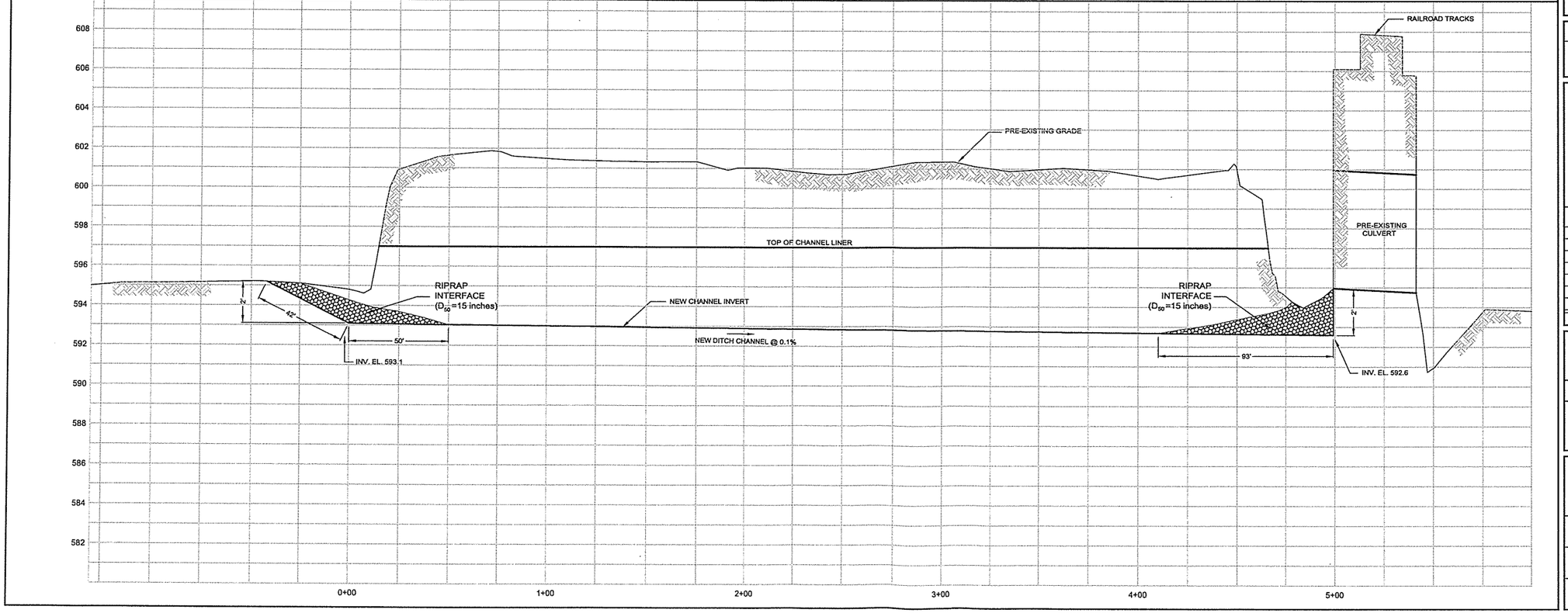
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=50'	Project No: 12609-09	Report No: 018	Drawing No: C-06AR

12609-09(018)CI-WA022 JUL 11/2001





NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 FINAL CONTOUR
- TREE TO BE REMOVED
- NEW CHANNEL

NOTE: TREES THAT WERE REMOVED WERE CHIPPED, STOCKPILED AND SAMPLED

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

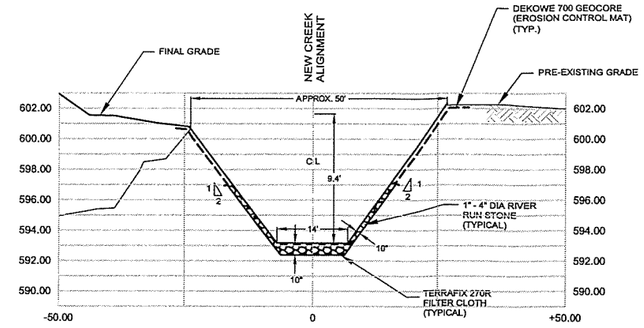
SILVER CREEK RELOCATION PLAN AND PROFILE

CONESTOGA-ROVERS & ASSOCIATES

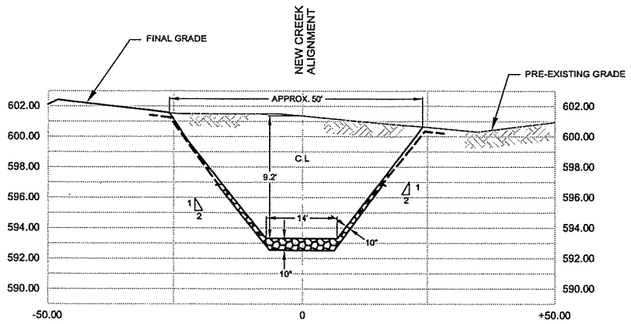
Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ. 1"=30' VERT. 1"=3'	Project No: 12609-09	Report No: 018	Drawing No: C-07AR

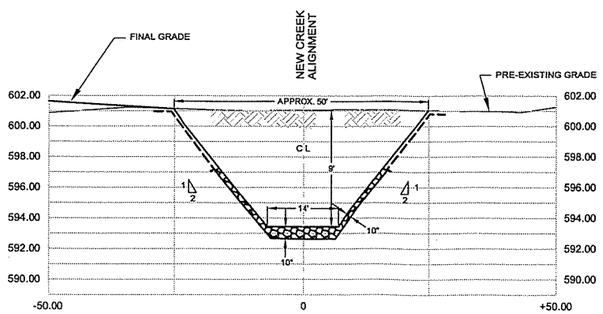
12609-09(018)CI-WA010 JUL 11/2001



SECTION A
HORIZ 1' =15'
VERT 1"=5'
C-07



SECTION B
HORIZ 1' =15'
VERT 1"=5'
C-07



SECTION C
HORIZ 1' =15'
VERT 1"=5'
C-07

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

SILVER CREEK RELOCATION
CIVIL SECTIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: AS SHOWN	Project N°: 12609-09	Report N°: 018	Drawing N°: C-08AR

12609-09(018)CI-WA011 JUL 11/2001



№	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT

NEW LEGEND

- 605 SUBGRADE CONTOUR
- NEW CHANNEL

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

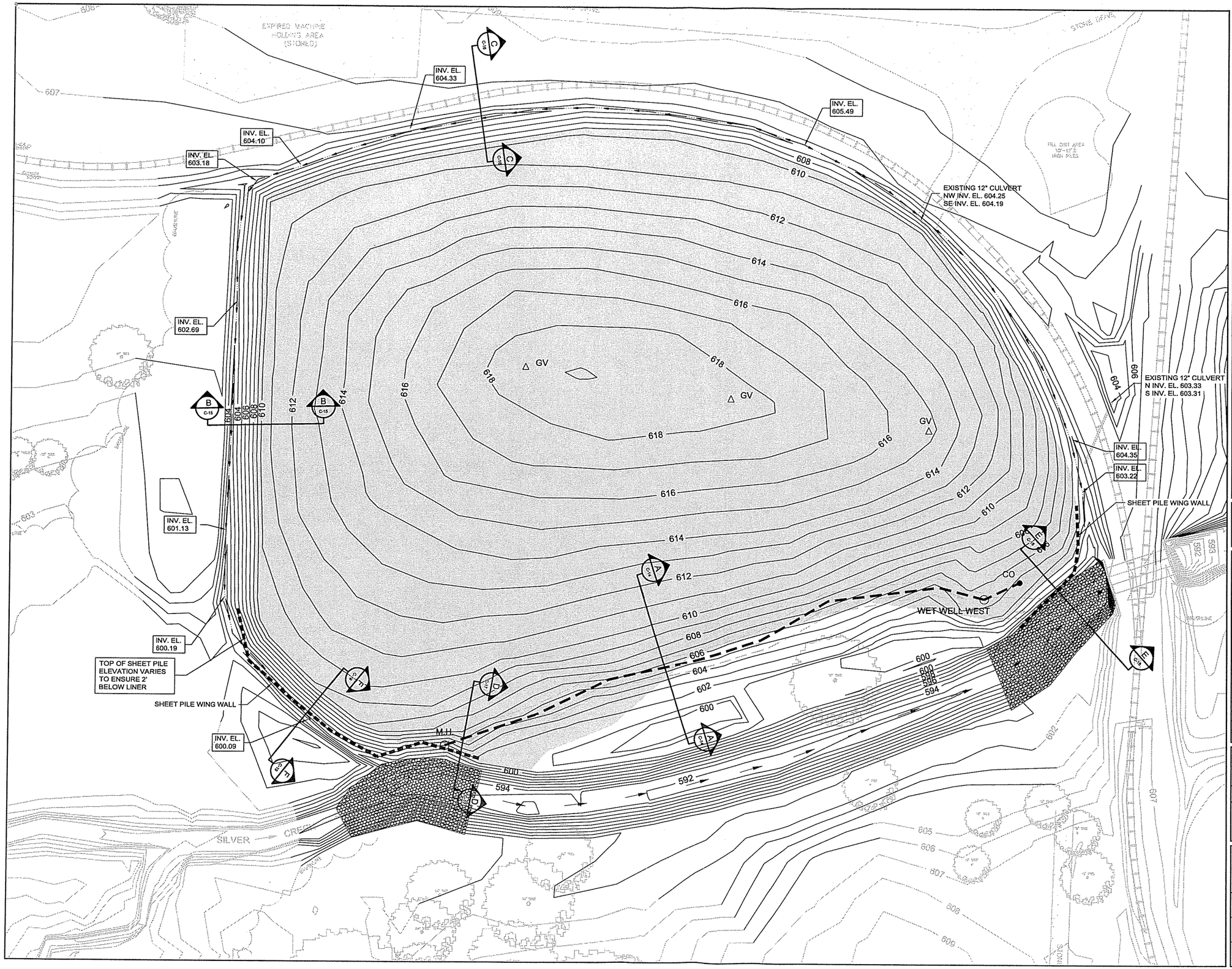
FORMER DISPOSAL AREA
SUBGRADE

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=30'	Project №: 12609-09	Report №: 018	Drawing №: C-09AR

12609-09(018)CI-WA005 JUL 10/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT

NEW LEGEND

- 602 — FINAL CONTOUR
- NEW CHANNEL
- LEACHATE COLLECTION SYSTEM
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- LIMIT OF CAP
- DRAINAGE DITCH SYSTEM
- INV.EL. 603.00 — DRAINAGE DITCH INVERT ELEVATIONS
- GV — GAS VENT
- RIPRAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

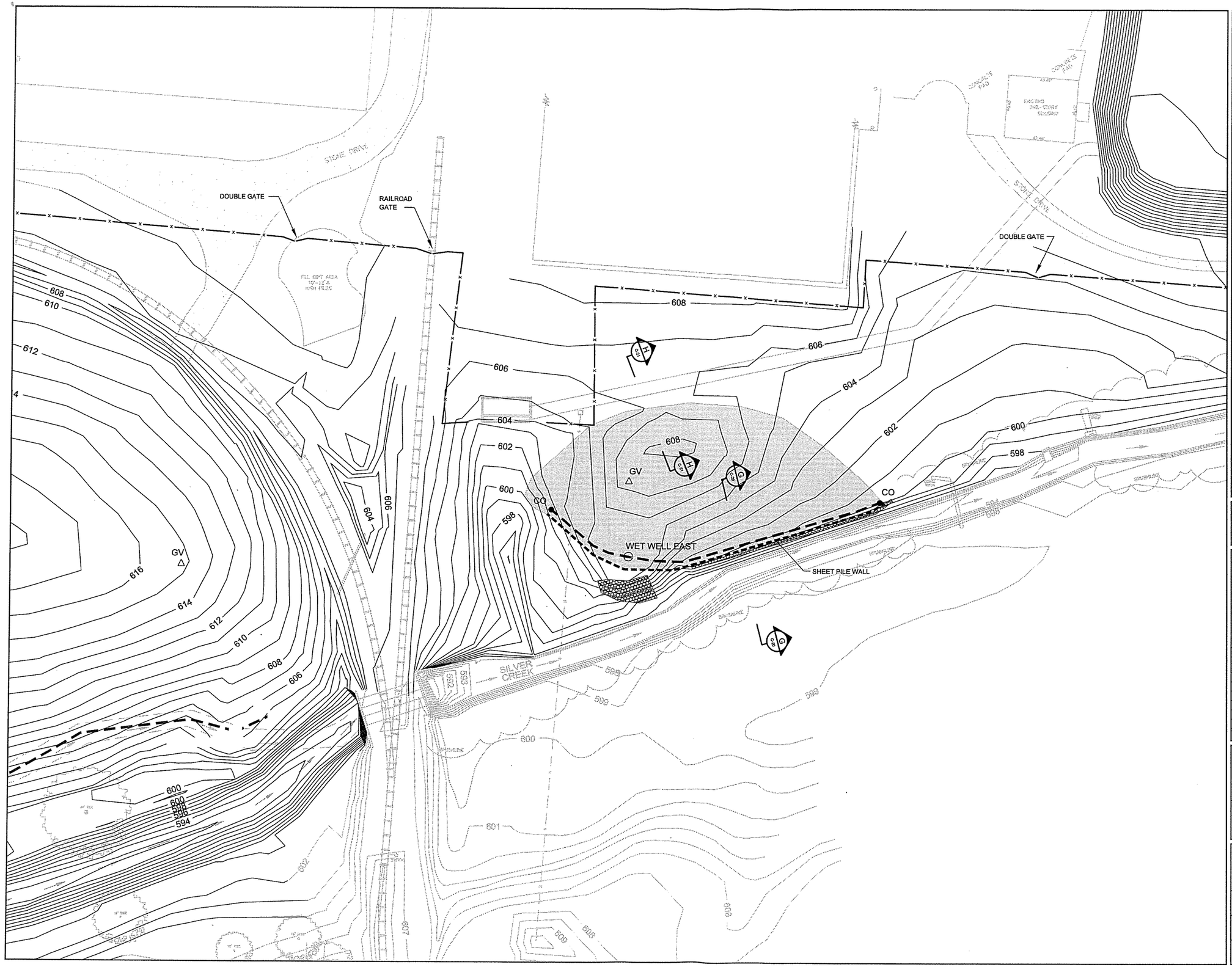
FORMER DISPOSAL AREA FINAL GRADE

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=30'	Project №: 12609-09	Report №: 018	Drawing №: C-10AR

12609-09(018)CI-WA004 JUL 10/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER
- ORIGINAL CHANNEL

NEW LEGEND

- 602 — FINAL CONTOUR
- LEACHATE COLLECTION SYSTEM
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- LIMIT OF CAP
- FENCE
- GV — GAS VENT
- RIPRAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

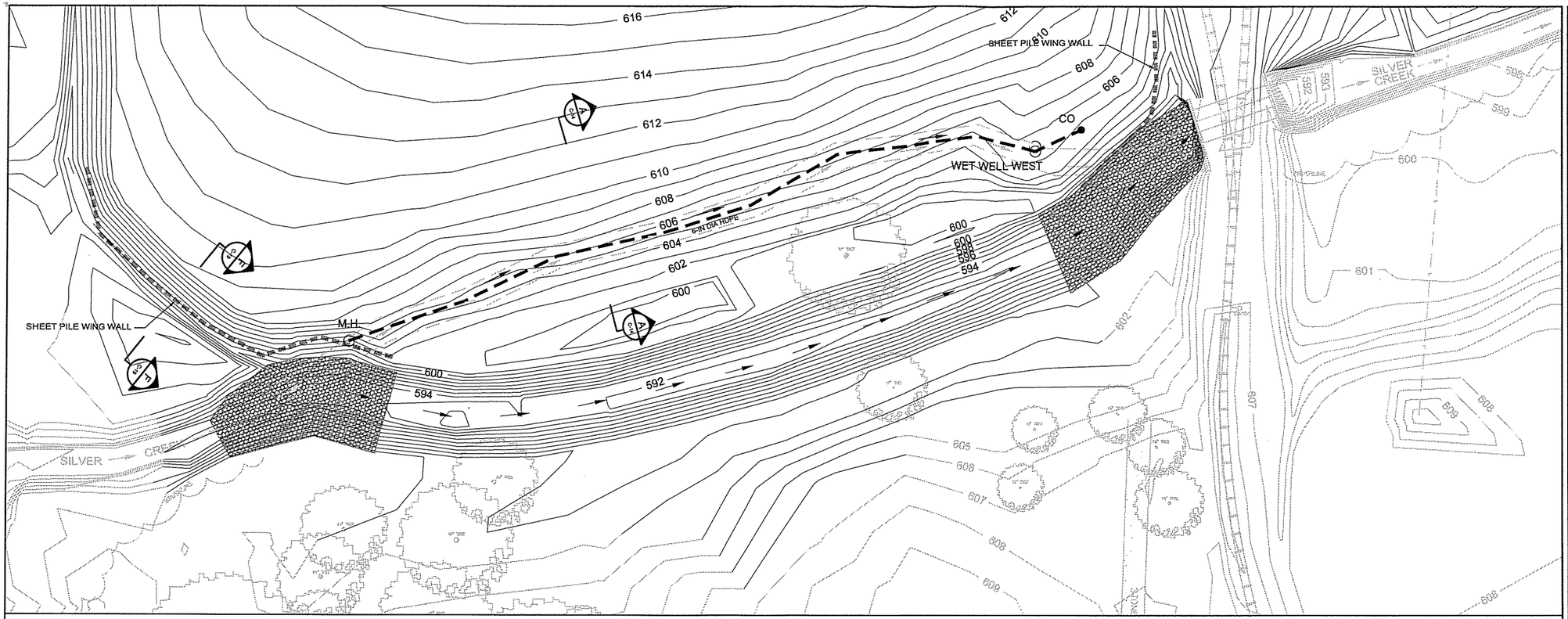
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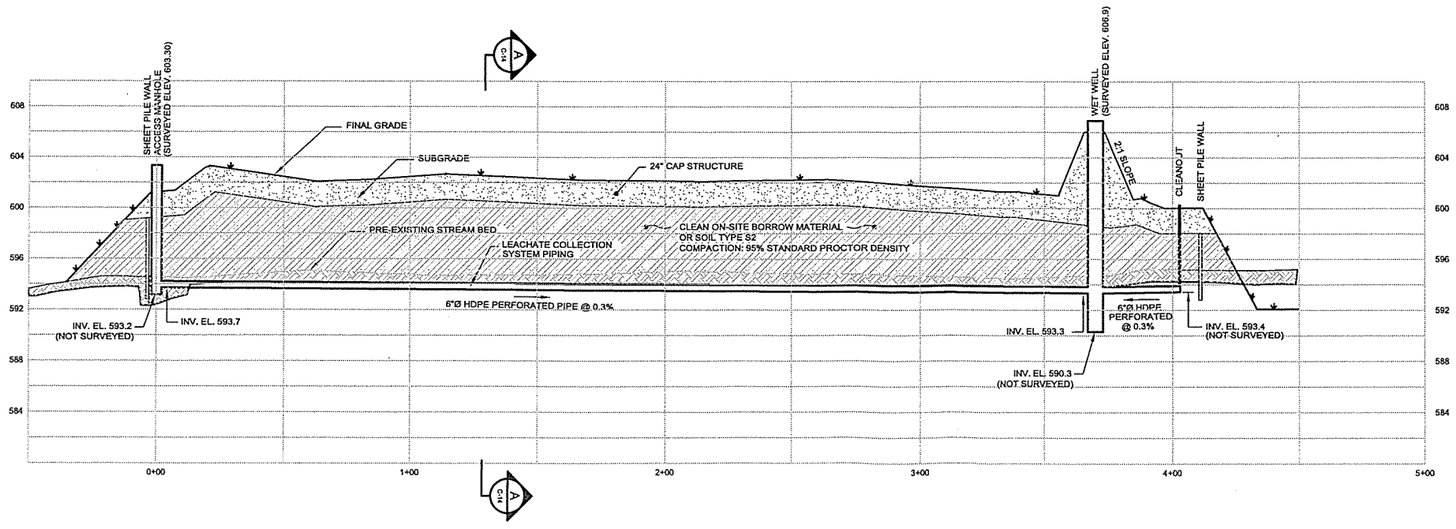
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DWG No.35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=30'	Project No: 12609-09	Report No: 018	Drawing No: C-11AR

12609-09(018)CI-WA008 JUL 11/2001





No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- ORIGINAL CHANNEL

NEW LEGEND

- 602 — FINAL CONTOUR
- NEW CHANNEL
- LEACHATE COLLECTION SYSTEM
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- RIPRAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

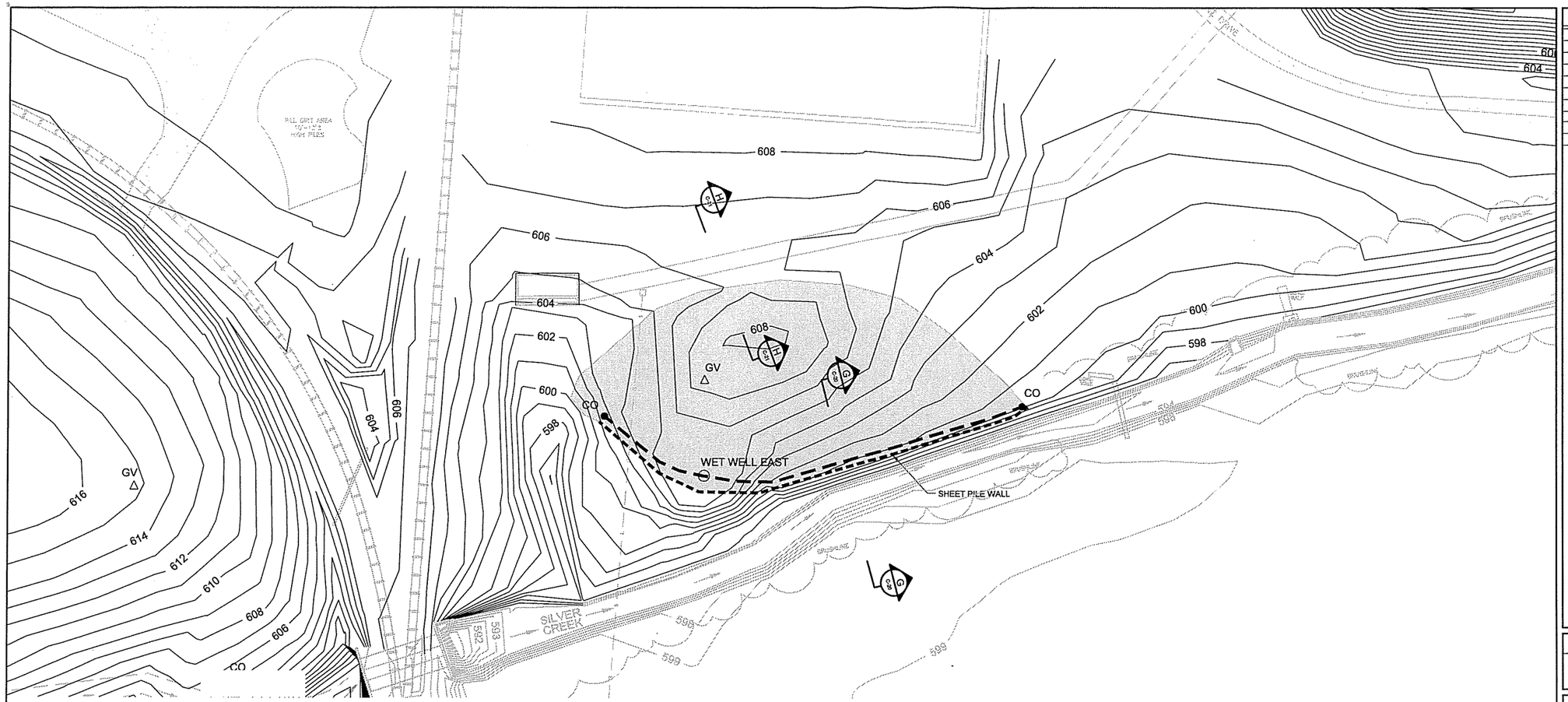
FORMER DISPOSAL AREA COLLECTION SYSTEM PLAN AND PROFILE

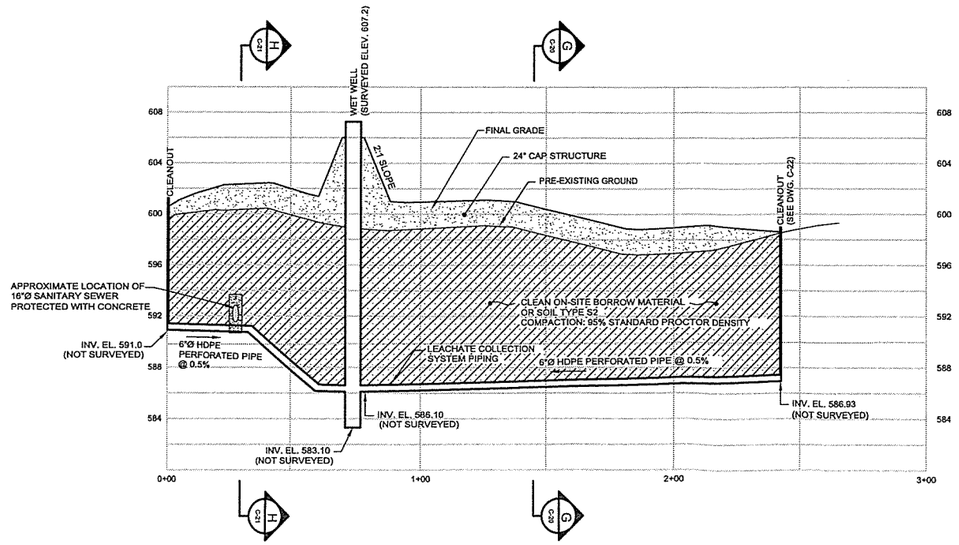
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ. 1"=30' VERT. 1"=6'	Project No: 12609-09	Report No: 018	Drawing No: C-12AR

12609-09(018)CI-WA012 JUL 11/2001





NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 10 30ft

EXISTING LEGEND

- CONTOUR
- ROAD
- RAILROAD
- MANHOLE
- TREE
- BRUSHLINE/DENSE VEGETATION LIMIT
- SANITARY SEWER

NEW LEGEND

- 602 — FINAL CONTOUR
- LEACHATE COLLECTION SYSTEM
- M.H. — MANHOLE
- CO — CLEANOUT
- WET WELL — WET WELL
- SHEET PILE WALL
- LIMIT OF CAP
- GV — GAS VENT

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

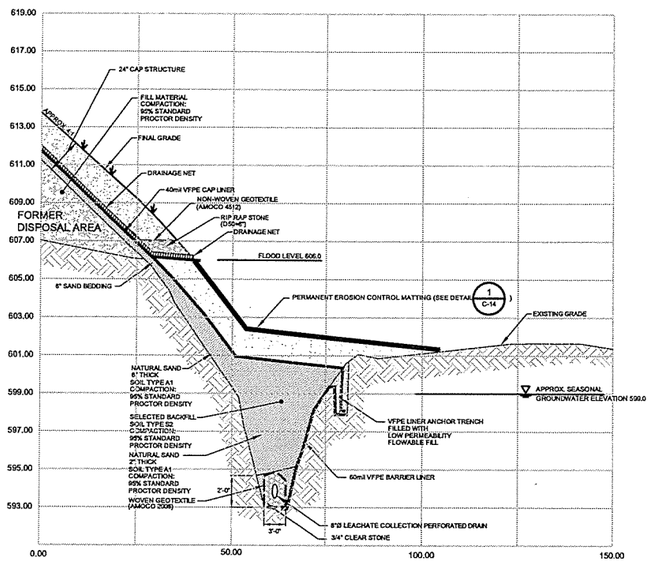
FORMER STORMWATER POND COLLECTION SYSTEM PLAN AND PROFILE

CONESTOGA-ROVERS & ASSOCIATES

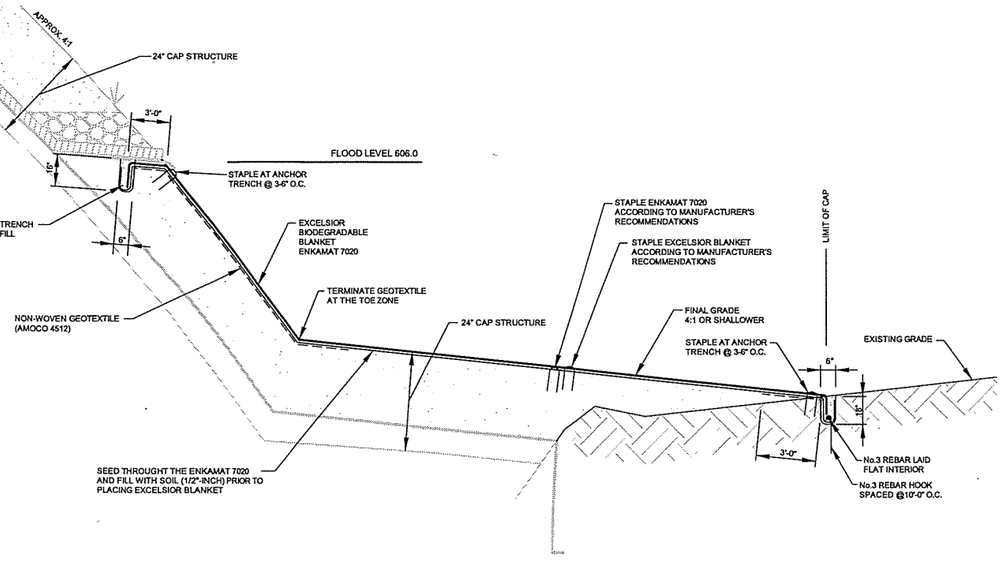
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LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ. 1"=30' VERT. 1"=6'	Project №: 12609-09	Report №: 018	Drawing №: C-13AR

12609-09(018)CI-WA013 JUL 11/2001



SECTION A (C-10)
HORIZ: 1"=10'
VERT.:1"=2'



PERMANENT EROSION CONTROL MATTING DETAIL 1/C-14
N.T.S.

N⁰	Revision	Data	Intial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

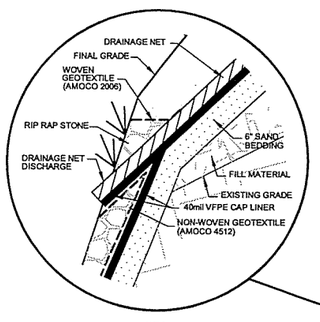
SECTIONS
SHEET 1 OF 8

CONESTOGA-ROVERS & ASSOCIATES

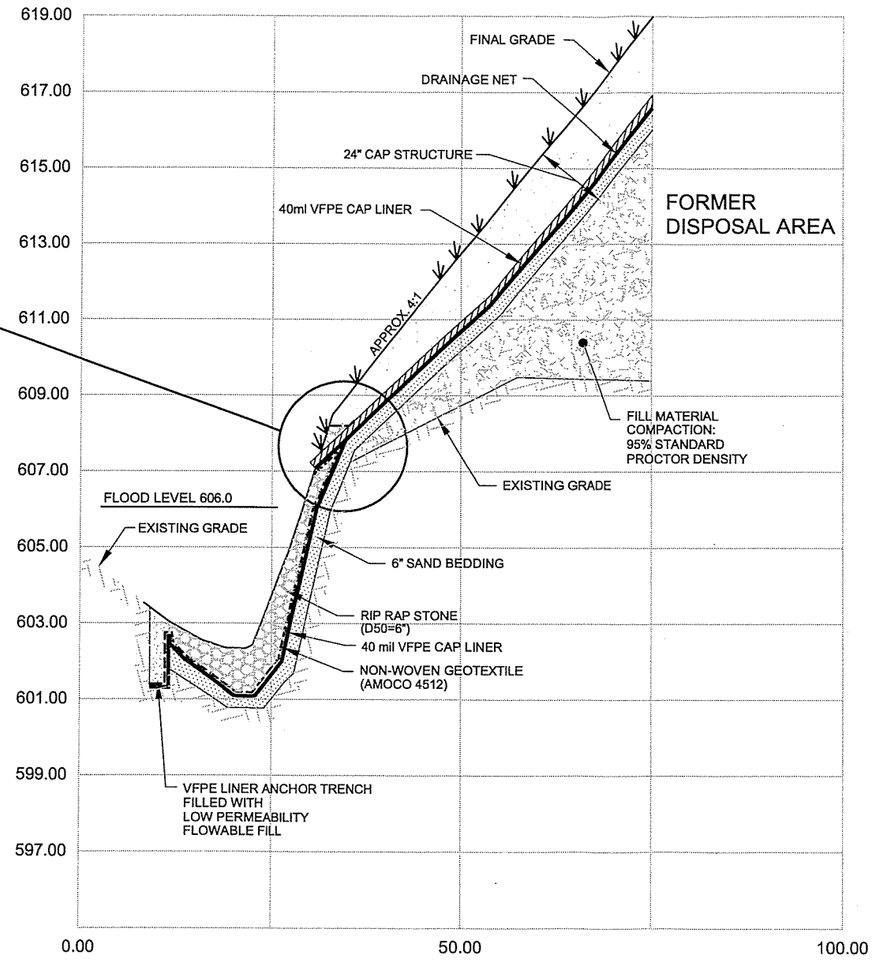
Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project N⁰: 12609-09	Report N⁰: 018	Drawing N⁰: C-14AR

12609-09(018)CI-WA009 JUL 11/2001



N.T.S.



SECTION B / C-10

No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

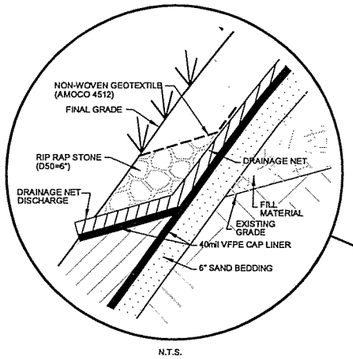
SECTIONS
SHEET 2 OF 8

CONESTOGA-ROVERS & ASSOCIATES

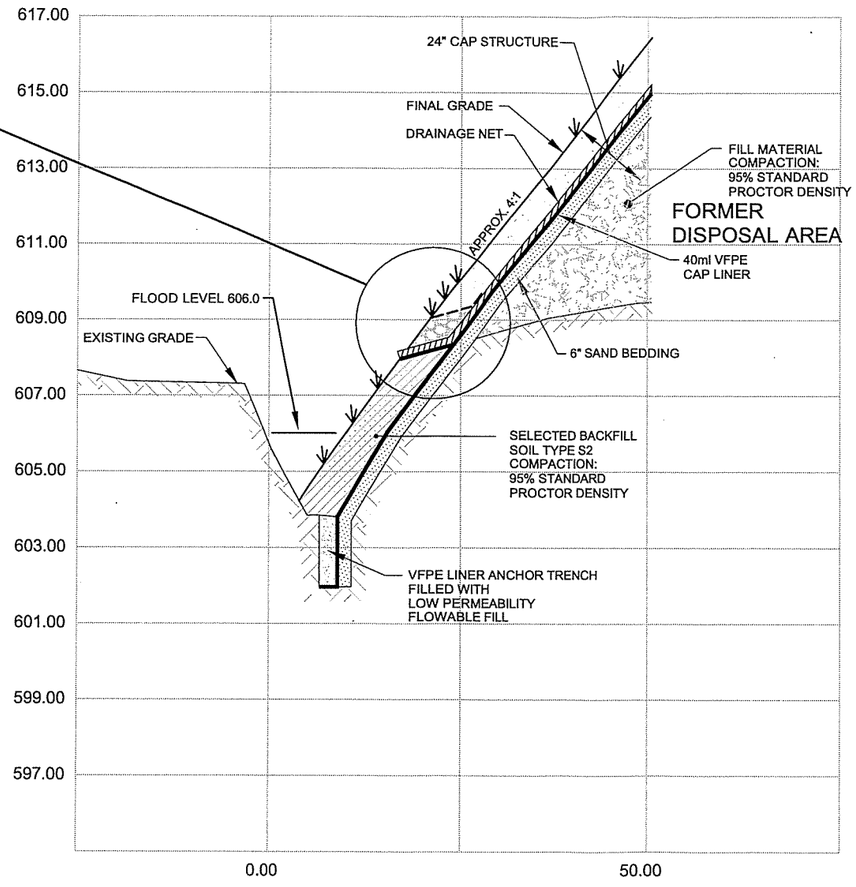
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Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project No: 12609-09	Report No: 018	Drawing No: C-15AR

12609-09(018)CI-WA009 JUL 11/2001



N.T.S.



SECTION C / C-10

No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

SECTIONS
SHEET 3 OF 8

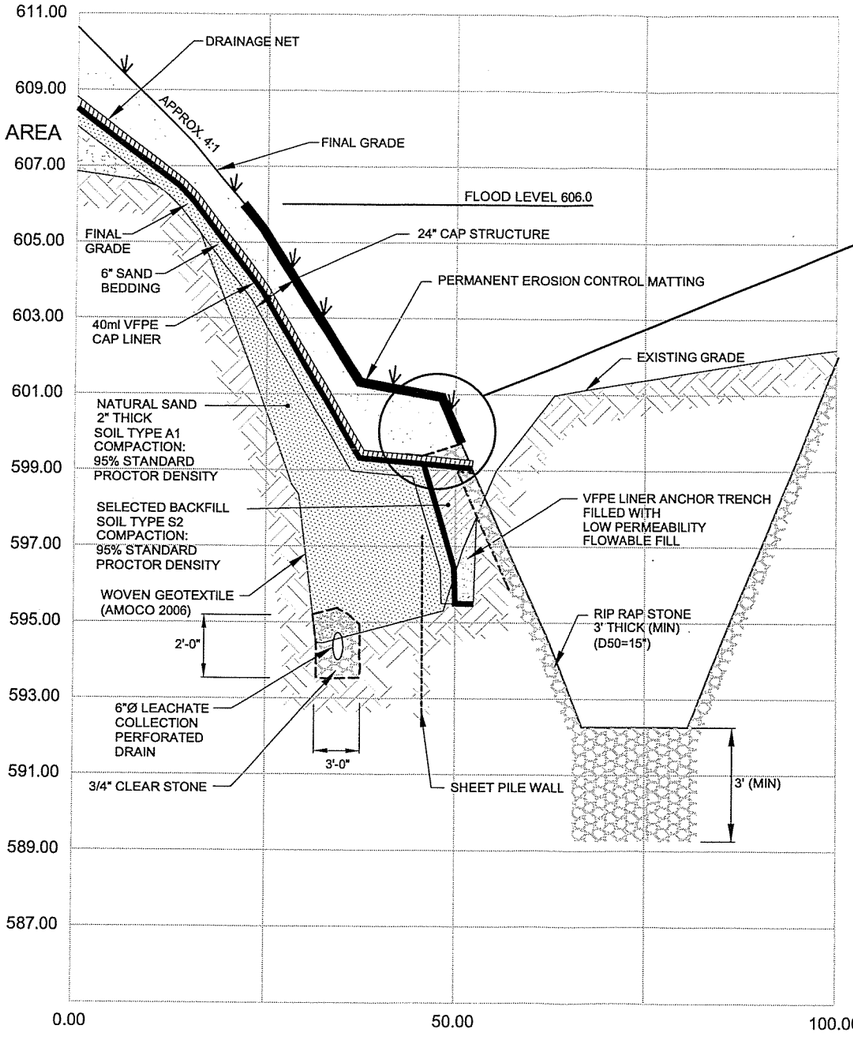
CONESTOGA-ROVERS & ASSOCIATES

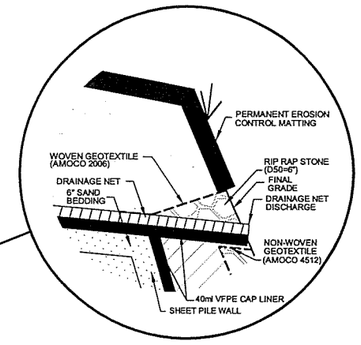
Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project No: 12609-09	Report No: 018	Drawing No: C-16AR

12609-09(018)CI-WA009 JUL 11/2001

FORMER
DISPOSAL AREA





N.T.S.

SECTION D
C-10

№	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

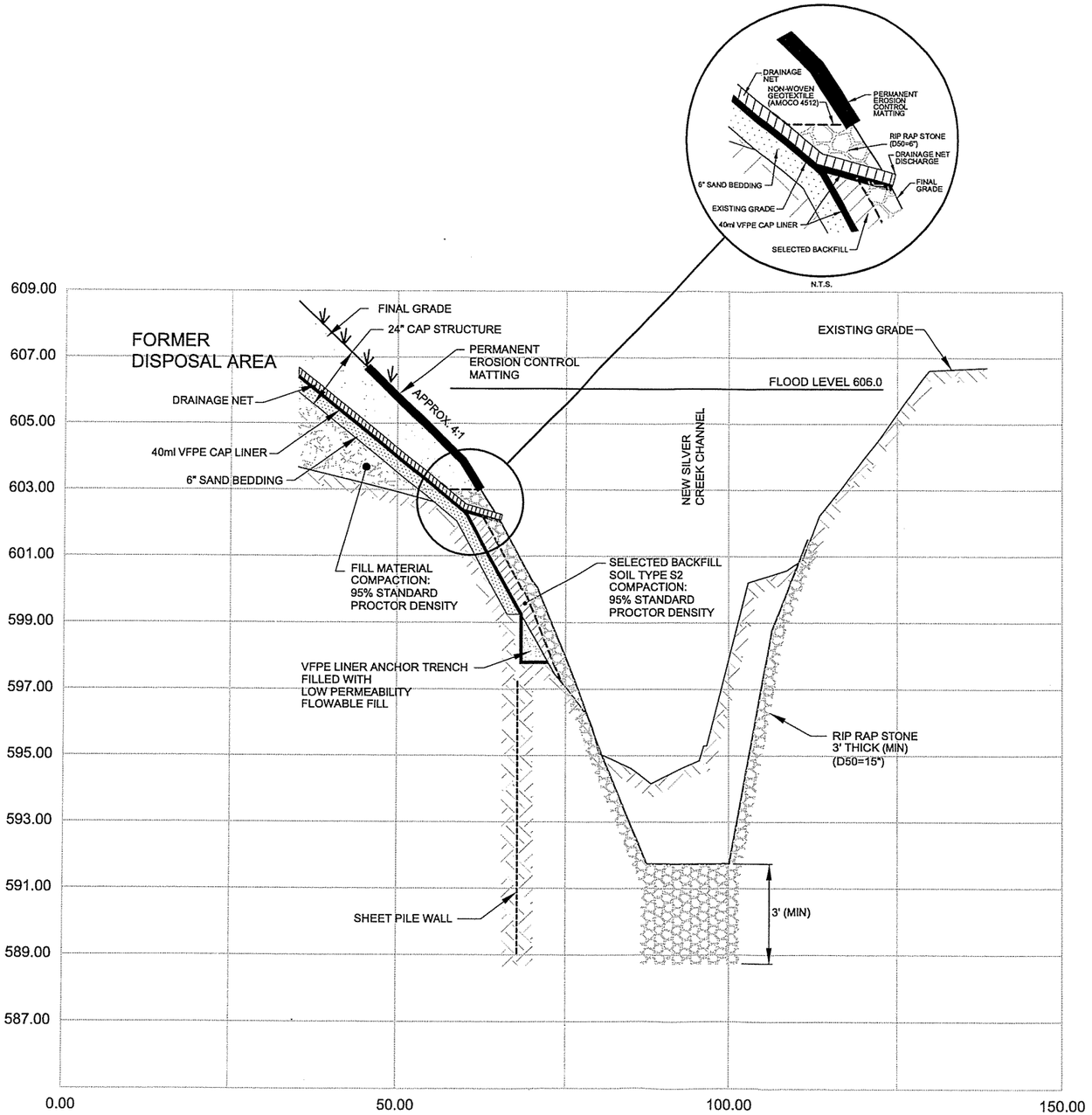
SECTIONS
SHEET 4 OF 8

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project №: 12609-09	Report №: 018	Drawing №: C-17AR

12609-09(018)CI-WA009 JUL 11/2001



SECTION E / C-10

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

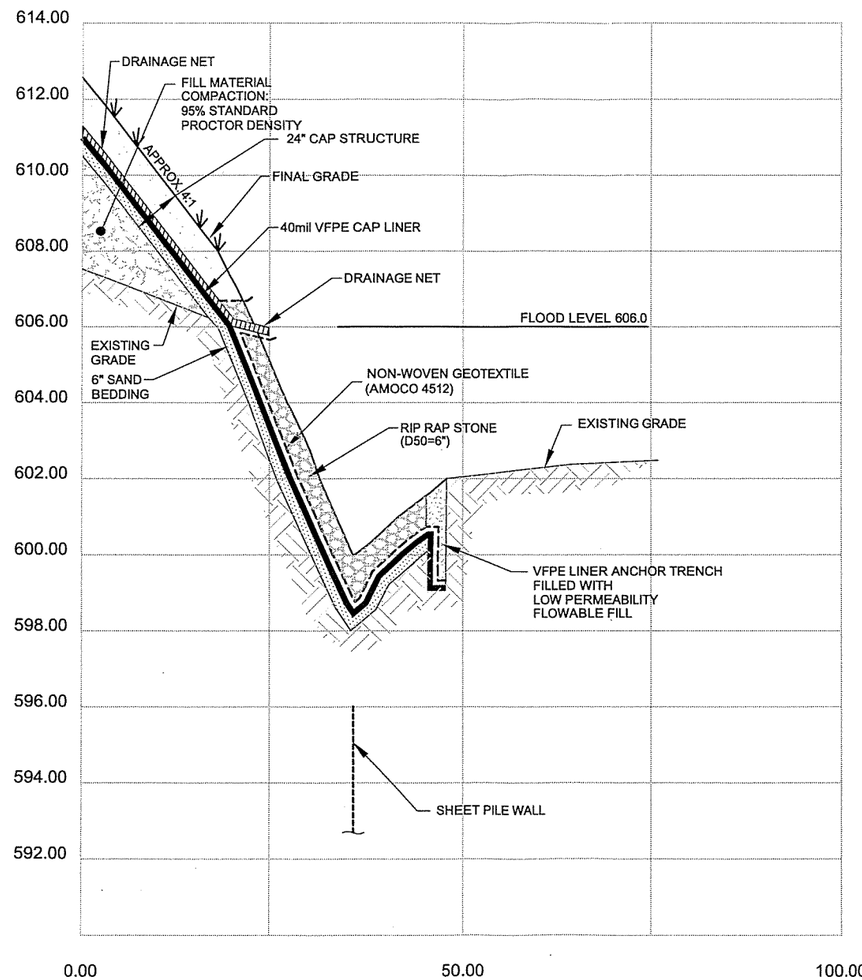
SECTIONS
SHEET 5 OF 8

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project №: 12609-09	Report №: 018	Drawing №: C-18AR

12609-09(018)CI-WA009 JUL 11/2001



SECTION F / C-10

N?	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

SECTIONS
SHEET 6 OF 8

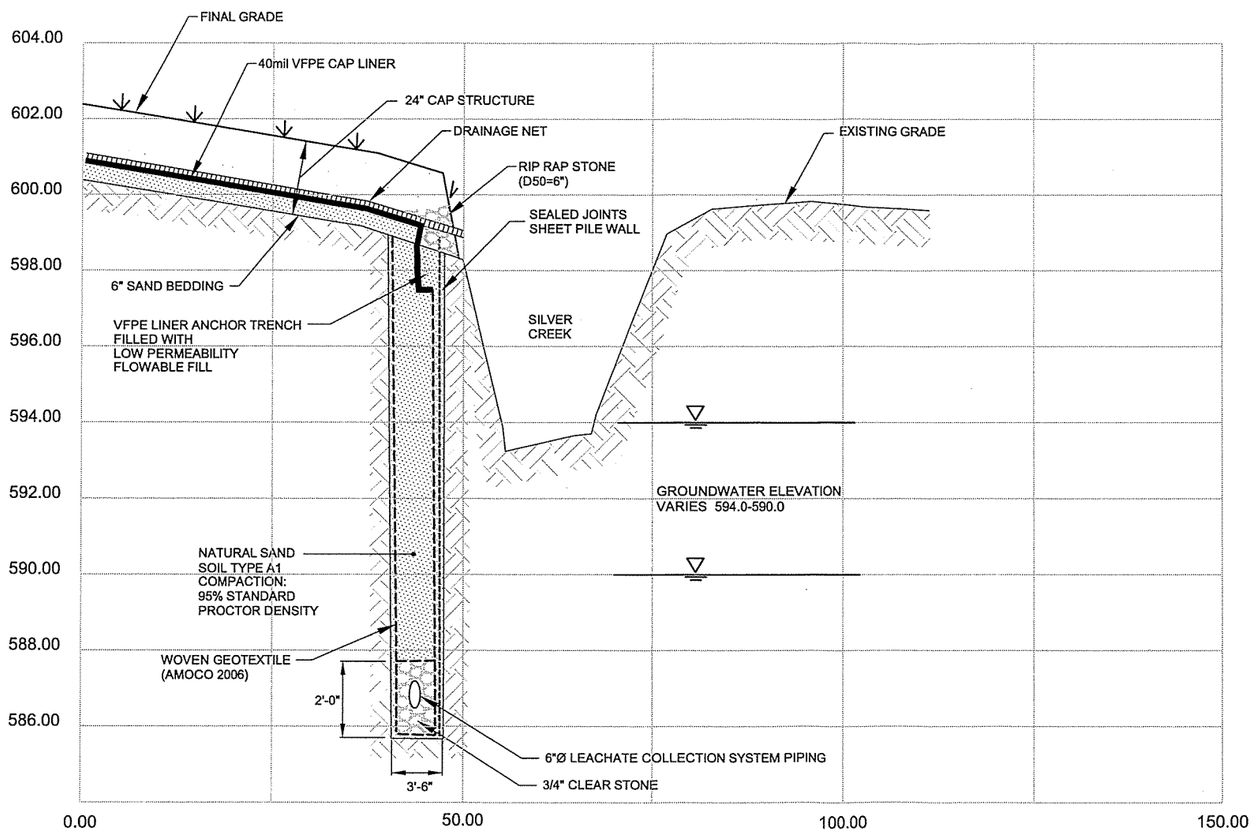
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project N?: 12609-09	Report N?: 018	Drawing N?: C-19AR

12609-09(018)CI-WA009 JUL 11/2001

FORMER STORMWATER POND



SECTION G / C-11

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

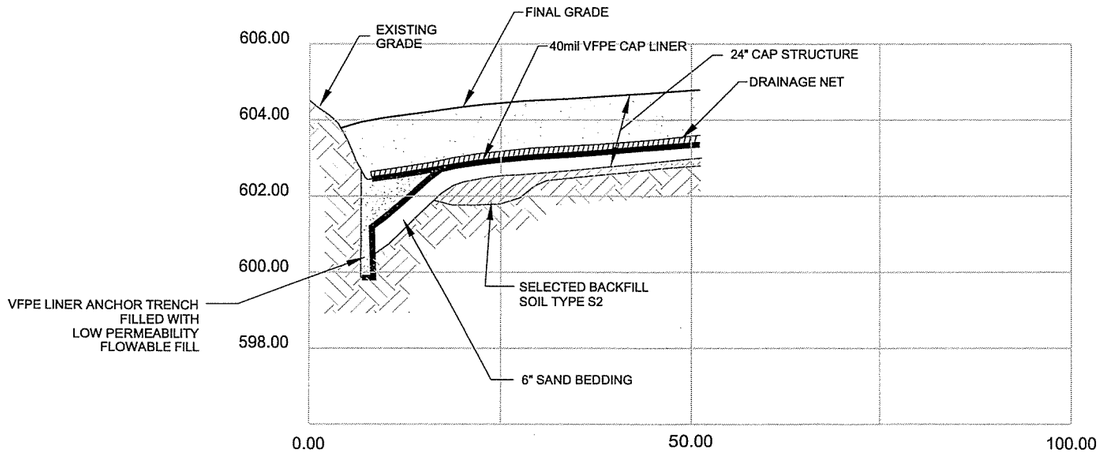
SECTIONS
SHEET 7 OF 9

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project No: 12609-09	Report No: 018	Drawing No: C-20AR

12609-09(018)CI-WA009 JUL 11/2001



SECTION H
C-11

No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

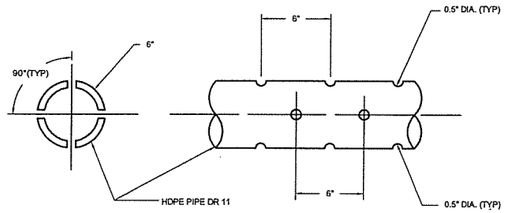
SECTIONS
SHEET 8 OF 8

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

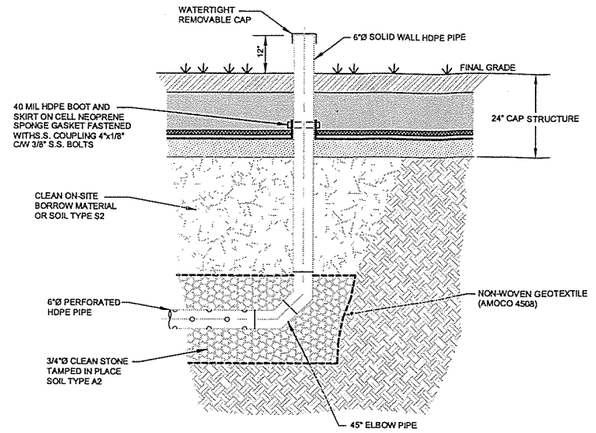
Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2000	
Scale: HORIZ: 1"=10' VERT. 1"=2'	Project No: 12609-09	Report No: 018	Drawing No: C-21AR

12609-09(018)CI-WA009 JUL 11/2001



PERFORTED PIPE DETAIL

N.T.S.

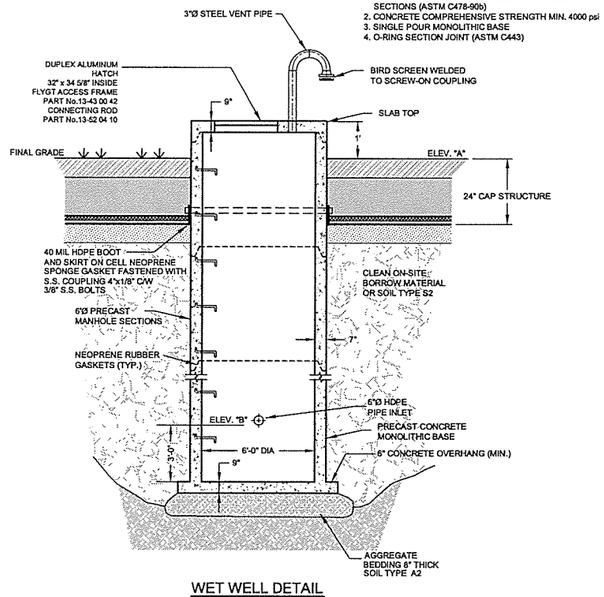


CLEAN-OUT DETAIL

N.T.S.

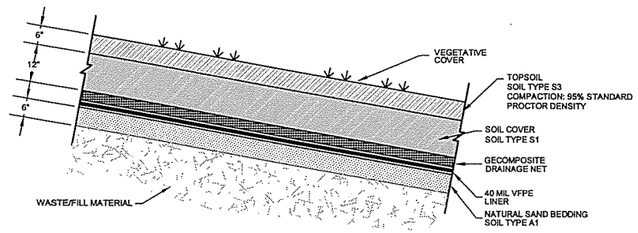
	A	B
FORMER DISPOSAL AREA	605.9	593.3
FORMER STORMWATER POND	606.2	585.3

GENERAL NOTES:
1. PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS (ASTM C478-90b)
2. CONCRETE COMPREHENSIVE STRENGTH MIN. 4000 psi
3. SINGLE POUR MONOLITHIC BASE
4. O-RING SECTION JOINT (ASTM C443)



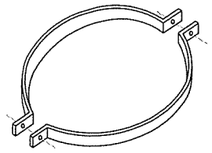
WET WELL DETAIL

N.T.S.



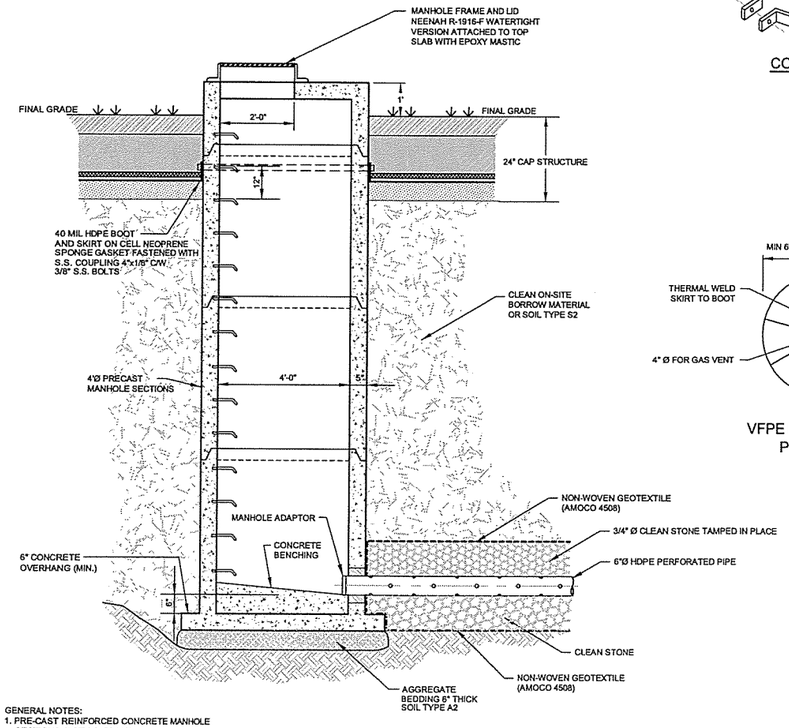
CAP STRUCTURE DETAIL

N.T.S.



COUPLING DETAIL

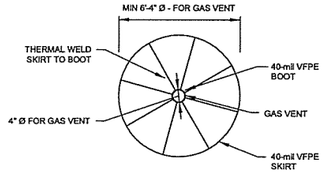
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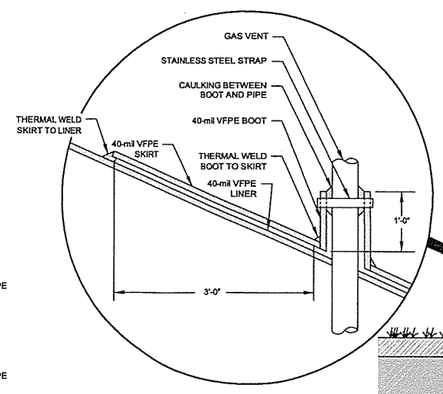
GENERAL NOTES:
1. PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS (ASTM C478-90b)
2. CONCRETE COMPRESHENSIVE STRENGTH MIN. 4000 psi
3. SINGLE POUR MONOLITHIC BASE
4. O-RING SECTION JOINT (ASTM C443)

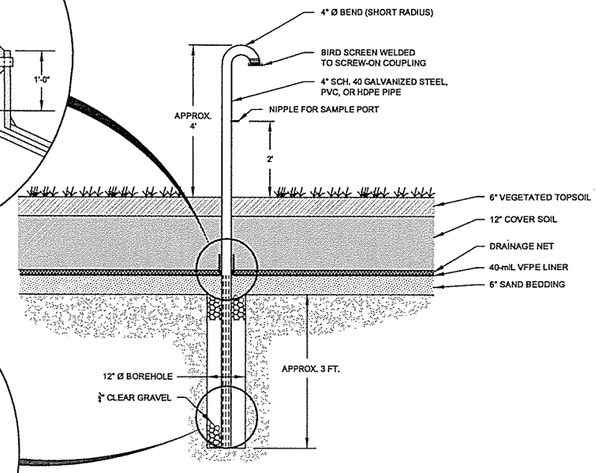
MANHOLE DETAIL

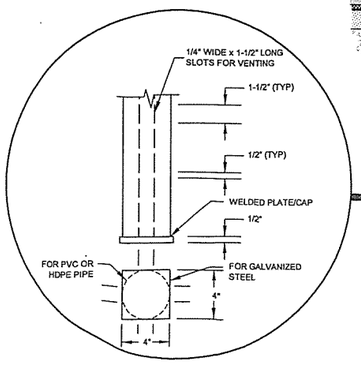
N.T.S.



VFPE BOOT & SKIRT
PLAN VIEW







TYPICAL GAS VENT WITH COLLECTOR PIPE DETAIL

NO	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY
TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

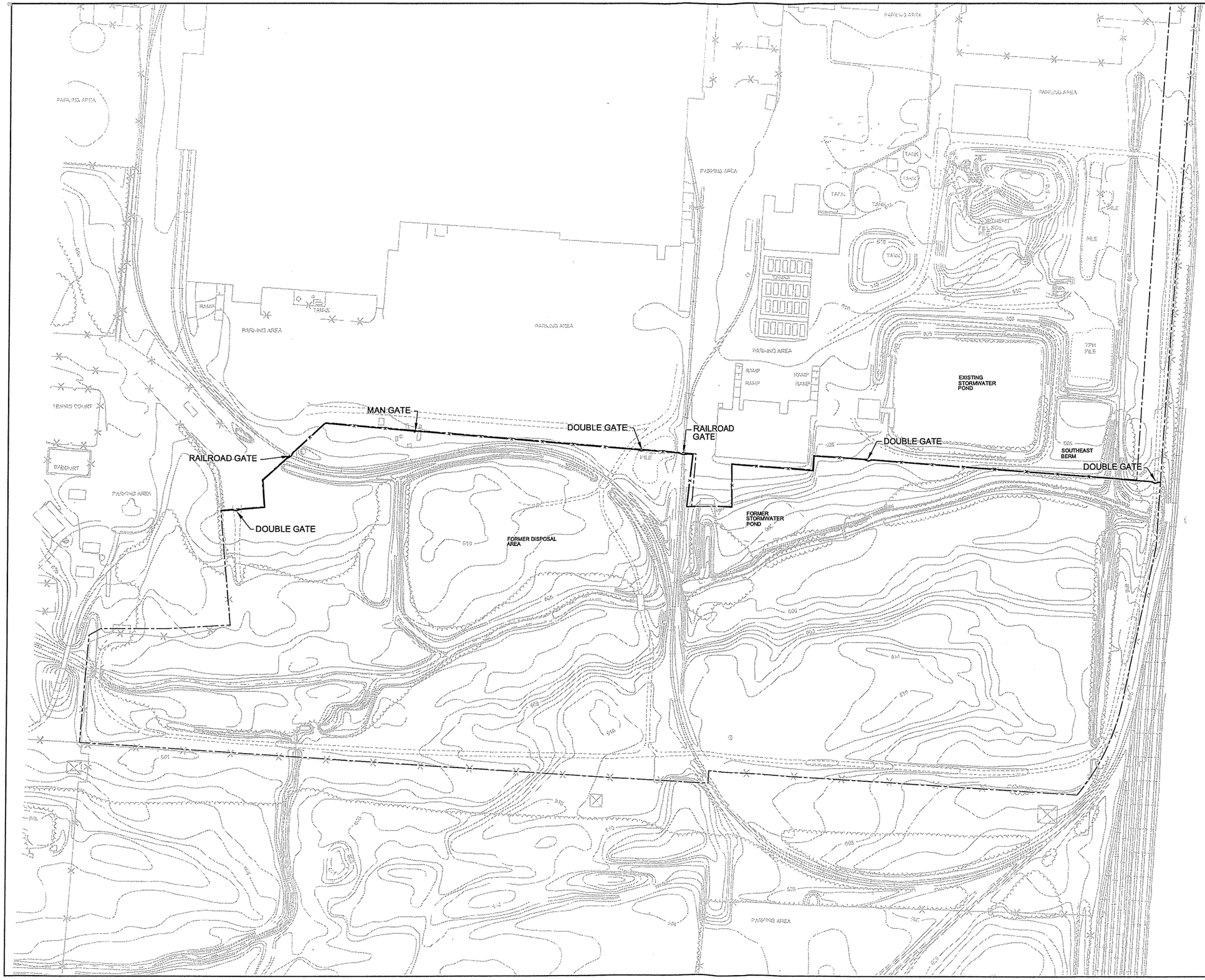
DETAILS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
NOVA SURVEYING AND MAPPING SERVICES (MH ELEV. AND INVERTS)

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: N.T.S.	Project Nº: 12609-09	Report Nº: 018	Drawing Nº: C-22AR

12609-09(018)CI-WA007 JUL 10/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 40 80ft

LEGEND

SITE BOUNDARY (SURVEYED JULY 2000)

NEW FENCE (INSTALLED 1 FOOT SOUTH OF SITE BOUNDARY)

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

NEW FENCING

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
ABRAMS AERIAL SURVEY CORP. NOV. 24, 1997 PHOTOGRAPHY
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM
NOVA SURVEYING AND MAPPING SERVICES

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=80'	Project No: 12609-09	Report No: 018	Drawing No: C-23AR

12609-09(018)CI-WA018 JUL 11/2001



№	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 40 80ft

LEGEND

PRE-EXISTING AREAS OF SATURATED SOILS AND HYDROPHITE GROWTH

NEW STREAM SIDE WET MEADOW AREAS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

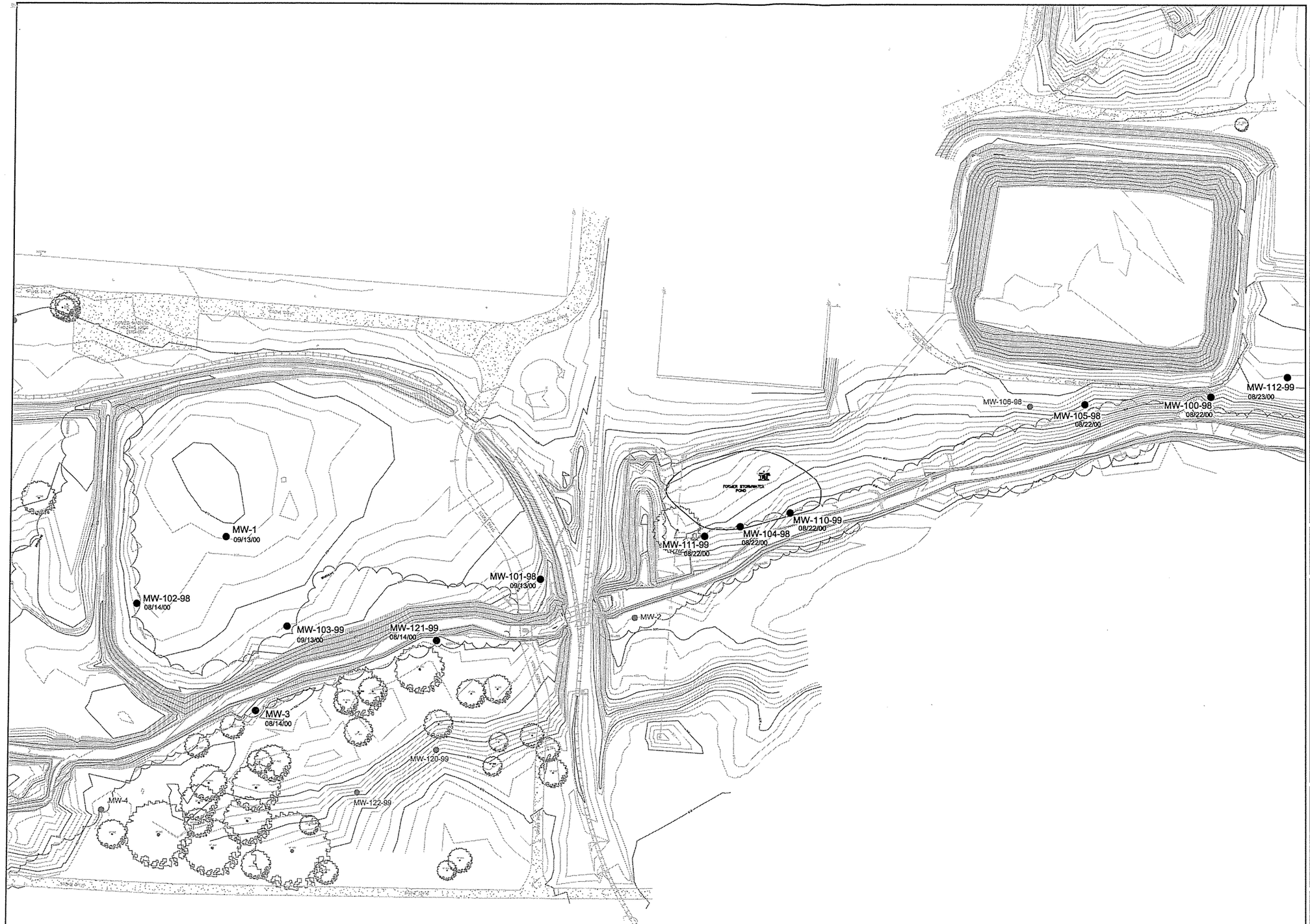
WETLANDS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
ABRAMS AERIAL SURVEY CORP. NOV. 24, 1997 PHOTOGRAPHY

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=80'	Project №: 12609-09	Report №: 018	Drawing №: C-24AR

12609-09(018)CI-WA019 JUL 11/2001



No	Revision	Date	Initial
1	PEER REVIEWED	JUNE 2000	KCA

0 20 60ft

LEGEND

MW106-98 — MONITORING WELL

MW-1 09/13/00 — ABANDONED MONITORING WELL, DATE ABANDONED

ABANDONMENT PROCEDURE:
1. OVERDRILL WELL
2. REMOVE CASING
3. DISINFECT WELL
4. GROUT USING TREMIE

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

GENERAL MOTORS PROPERTY TOLEDO, OHIO

SITE REMEDIATION-AS RECORDED

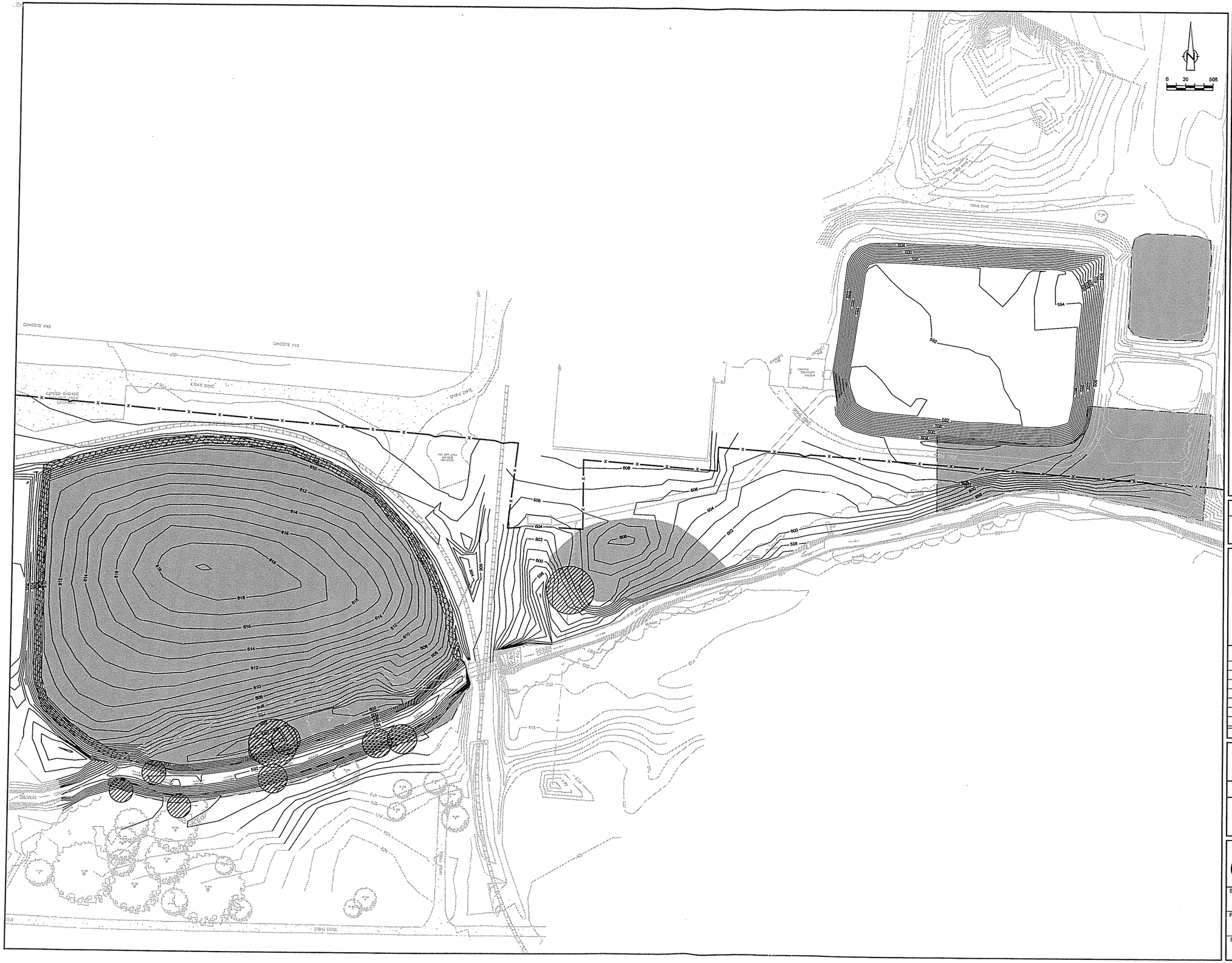
ABANDONED MONITORING WELL LOCATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
LEWANDOWSKI ENGINEERS, TOLEDO, OHIO DRAWING No. 35010-GM

Project Manager:	Reviewed By:	Date:	
D.WAGNER	C.HEBERT	JULY 2001	
Scale: 1"=60'	Project No: 12609-09	Report No: 018	Drawing No: C-25AR

12609-09(018)CI-WA020 JUL 11/2001


0 20 50ft
CONCRETE PAD
CONCRETE PAD
STONE DRIVE
STONE DRIVE
STONE DRIVE