# *GRIMES COMPRESSOR STATION CHARACTERIZATION REPORT*

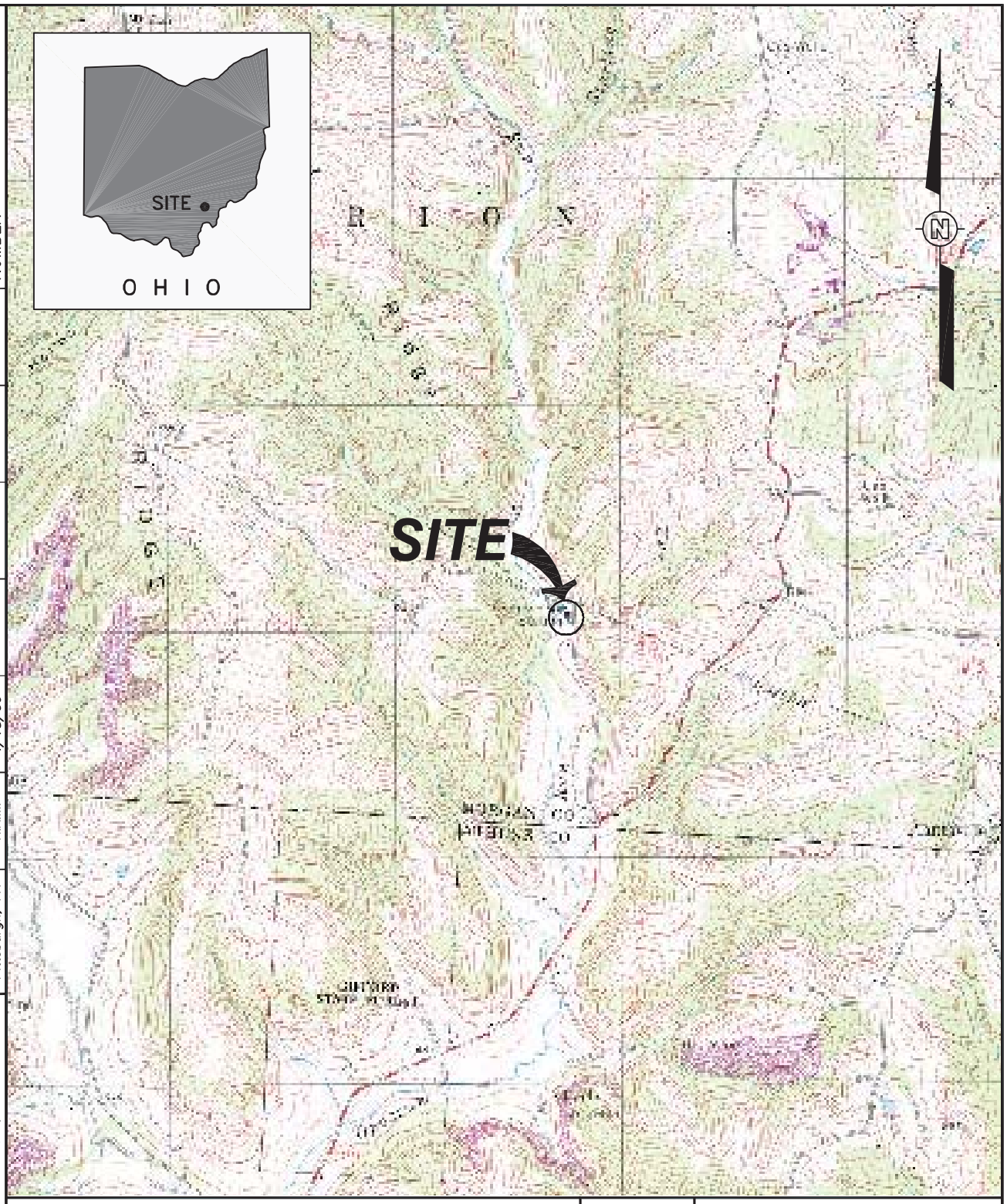
***Marion Township, Morgan County, Ohio***

***August 8, 2001***

***Prepared for Columbia Gas Transmission Corporation***

***By:***

***IT Corporation***
***Environmental Standards, Inc.***




| OFFICE | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER |
|---|---|---|---|---|
| Pittsburgh, PA | R.A.M. 4/18/00 | | | 805909-A1 |

O:\Project\Columbia Gas\Grimes\805909A1.dwg
Plot Date/Time: 05/10/00 10:55am Image: IMAGE-01
Format Revised: 12/15/99 Xref: .

SCALE

0 2000 4000 FEET

REFERENCE:

U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF AMESVILLE, OHIO, DATED 1994, SCALE: 1" = 2000'.

IT CORPORATION

COLUMBIA GAS
TRANSMISSION CORPORATION

FIGURE 1-1

SITE LOCATION MAP

GRIMES COMPRESSOR STATION
MORGAN COUNTY, OHIO

# 2.0 ENVIRONMENTAL SETTING

## 2.1 Physical Setting

The site is situated on an approximate 1.8-acre parcel of land in Marion Township located in the southern portion of Morgan County, Ohio. Morgan County lies in the western part of the Kanawha section of the unglaciated Appalachian Plateau Physiographic Province. The physiography of this area is rugged, consisting of mostly steep hillsides and narrow ridgetops. Some broad, gently sloping uplands are found in the western part of the county and on the floors of post-glacial stream valleys (Soil Survey of Morgan County, Ohio, 1998). Based on the USGS topographic map (Figure 1-1), the site elevation is approximately 680 feet above mean sea level (AMSL). Surrounding ridges within one mile of the station reach elevations of 900 to 1,020 feet AMSL.

## 2.2 Climate

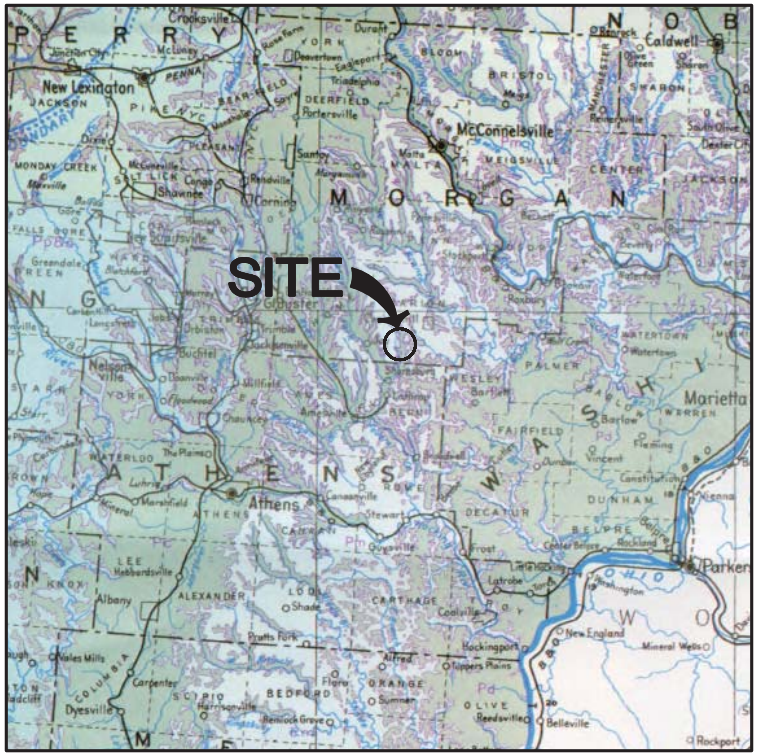
Temperature and precipitation data for the area were recorded in McConnelsville, Ohio during the period from 1951 to 1988. In winter, the average temperature is 30 degrees Fahrenheit ($^0$F); and the average daily minimum temperature is 19$^0$ F. In summer, the average temperature is 72$^0$ F and the average daily maximum temperature is 85 $^0$F. Average annual precipitation is 38.6 inches per year (Soil Survey of Morgan County, Ohio, 1998).

## 2.3 Surface Water Hydrology

The site is located in the stream valley of and adjacent to Opossum Run. Surface water runoff from the site drains into the unnamed tributary of Opossum Run or directly into Opossum Run. Three potential drainpipes were identified on the edge of the unnamed tributary, and one drainpipe was identified on the stream bank of Opossum Run. Opossum Run flows two miles south and joins with Sharps Fork near the town of Sharpsburg. Sharps Fork flows southwest to its confluence with Federal Creek.

## 2.4 Geology and Soils

At the site, a mantle of residual soil, typically a few feet thick, overlies Quaternary Alluvium. The alluvium consists of clay, silt and fine sand, and minor amounts of medium to coarse sand and gravel. Alluvial thickness ranges between 5 to 30 feet in this area. Underlying the alluvium are sedimentary rocks of the Conemaugh Group. The Conemaugh unit is Pennsylvanian in age and consists of sandstone, shale, thin beds of coal, and limestone. The average regional thickness of the Conemaugh Group is 400 feet and it is at least 200 feet thick at the site (Figure 2-1, Site Geology Map).




## LEGEND:

PALEOZOIC SYSTEMS

PERMAIN

Pd — Dunkard

Shales, sandstones and coal.

PENNSYLVANIANIAN

Pm — Monongahela

Coal, shales and sandstones.

Pc — Conemaugh

Shales, sandstones, coal and limestone.

Pp&a — Pottsville and Allegheny

Coal, sandstone, shales and limestone.

MISSISSIPPIAN

Mw&m — Waverly and Maxville

Shales, sandstones and limestone.

APPROXIMATE SCALE

0 8 16 MILES

REFERENCE:

GEOLOGIC MAP OF OHIO, PROVIDED BY THE DEPARTMENT OF NATURAL RESOURCES, A DIVISION OF GEOLOGICAL SURVEY, A REPRINT OF 1981, SCALE: 1:500,000.

IT CORPORATION

COLUMBIA GAS TRANSMISSION CORPORATION

FIGURE 2–1

GEOLOGIC SITE MAP

GRIMES COMPRESSOR STATION
MORGAN COUNTY, OHIO

| OFFICE | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER |
|---|---|---|---|---|
| PGH | R. Weible 12 MAY 00 | | | 805909–B2 |

O:\Project\Columbia Gas\Grimes\805909b2.dwg
Plot Date/Time: 03/19/01 10:26am Image:
Format Revised: 12/15/99 Xref: .

Soils underlying the site are classified as the Nolin Silt Loam. Nolin soils are nearly level (0 to 3 percent slopes) and are located on floodplains. In this county, these soils are calcareous at shallower depths than is defined for this series. These soils are typically very deep, well drained with moderate permeability, and are frequently flooded. A typical profile consists of a surface layer (0 to 8 inches) of brown friable silt loam overlying a subsoil (8 to 40 inches) and substratum (40 to 80 inches), which are both described as dark yellowish brown friable silt loam (Soil Survey of Morgan County, Ohio, 1998).

### *2.5 Hydrogeology and Groundwater Quality*

Groundwater in the area is stored in and is transported through the natural porosity of unconsolidated alluvium and consolidated bedrock. Porosity in alluvial sediments results from intergranular pore spaces (primary porosity). In consolidated rock, these pore spaces are reduced substantially through compaction and cementation while porosity attributable to joints and bedding plane partings (secondary porosity) becomes significant. In the site area, neither primary nor secondary porosity is sufficiently well developed to result in good bedrock aquifers (Dames & Moore, 1993).

To a large extent in southeast Ohio, poor bedrock aquifers are often supplemented with shallow dug wells. The large widths of nearby Opossum Run and Sharps Fork valleys suggest the presence of alluvial aquifers capable of supplying wells; however, there are no documented wells completed in alluvium within the site's vicinity (Dames & Moore, 1993).

Documented bedrock wells within a 5-mile radius of the site have depths ranging from 34 to 150 feet, with an average depth of 85 feet. Dry wells are common, and yields above 2 gallon per minute (gpm) are rare. Dilute brines have been encountered at depths of 300 feet in the area (Dames & Moore 1993).

Information obtained from Banks Information Solutions, Inc. (Banks) indicated that other than the site water supply well, there is not a single water supply well located within a 0.5-mile radius of site. The site water well is located outside the southwest corner of the facility fence. The well is constructed with a 6-inch diameter steel casing and is equipped with a submersible pump. No other information on the site water well was available at the time of the facility review. The Banks report is provided in Appendix C.

An approximate groundwater flow direction is depicted on Figure 1-2 and is based on surface topography. The groundwater flow direction shown on the map is not based on the collection of field data, and thus, may not represent actual conditions.

### *4.2 Site Physical Description*

Based on a review of soil descriptions and field observations, soils across the site generally consist of brown sandy silt, silt or clayey silt, to lean clay with sandstone or shale fragments noted at many locations. Borings were completed to a maximum depth of 7.0 feet. Mottled soils were noted at many locations at depth intervals ranging from 1 foot to 6 feet bgs. Saturated soils were encountered at depth ranging from 4 to 6 feet bgs indicating the groundwater table is present at these depths.

### *4.3 Analytical Results for Investigative Samples*

The following subsections present a summary of laboratory analytical methods and results contained in Table 4-2 (Summary of Methods Analyzed for Individual PRAs) and Table 4-3 (Summary of Analytical Results). For each medium, Table 4-3 lists only those constituents for which a valid positive detection was reported by the laboratory for at least one sample at the site. A comprehensive copy of the analytical report and the chain of custodies are contained in Appendix H (Comprehensive Copy of Analytical Results and Chain of Custody Records). Each source area includes a presentation of analytical results, discussion of the nature and extent of the site-related constituents encountered, if any, and a comparison of analytical results to the CALs. Analytical results above the residential CALs and background are presented in Figure 4-2 – Analytical Results Which Exceed CALs and Background – Site Area, Figure 4-3 – Analytical Results Which Exceed CALs and/or Background – North, and Figure 4-4 – Analytical Results Which Exceed CALs and/or Background – South.

#### *4.3.1 Background Sampling Analytical Results*

Ten surface soil samples were collected (0.0-1.0 feet bgs) and five subsurface soil samples (2.0-3.0 feet bgs) were collected and submitted to the laboratory for Table 1 analyses.

One VOC constituent was detected in two of the background soil samples. Methylene Chloride was detected at concentrations ranging from 0.006 mg/kg (estimated) to 0.008 mg/kg. These concentrations are less than the CAL (85 mg/kg) for Methylene Chloride. Methylene Chloride is a common laboratory-introduced contaminant and likely does not represent soil concentrations. Therefore, a background concentration was not calculated for Methylene Chloride.

PAH constituents were not detected. A PCB constituent was detected in four of the background soil samples. Aroclor-1254 was detected in soil samples GRI-ASB003-70001 (0.1 mg/kg), GRI-ASB005-70001 (1.1 mg/kg), GRI-ASB005-70002 (0.045 mg/kg), and GRI-ASS005-40001 (0.098 mg/kg). The CAL for PCBs (1 mg/kg) was exceeded in surface soil sample location GRI-ASB005-70001. Therefore, this sample was not considered in the development of background

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 0 | | | | | |
| | | PRA Description | Background | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | GRI-ASB001-70001 | | GRI-ASB001-70002 | | GRI-ASB002-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 2 - 3 | | 0 - 1 | |
| | | Collected Date | 08/23/00 | | 08/23/00 | | 08/23/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | ND | | 0.008 | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | 160 | | 193 | | 150 | |
| | BERYLLIUM, TOTAL | 160 | ND | | 1.3 | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 23.6 | | 26.2 | | 31.8 | |
| | LEAD, TOTAL | 400 | 26.9 | | ND | | 41.8 | |
| | NICKEL, TOTAL | 1600 | 24.6 | | 26.9 | | 26.7 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 9.9 | X | 10.0 | X | 11.9 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB002-70002** | | **GRI-ASB003-70001** | | **GRI-ASB003-70002** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **2 - 3** | |
| | | Collected Date | **08/23/00** | | **08/23/00** | | **08/23/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | 0.10 | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 298 | | 180 | | 160 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.9 | | 1.1 | | 1.2 | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 38.6 | | 26.7 | | 22.3 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 61.8 | | 27.0 | | 22.8 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 5.6 | X | 12.3 | X | 14.6 | X |

Notes:

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# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB004-70001** | | **GRI-ASB004-70002** | | **GRI-ASB005-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 3** | | **0 - 1** | |
| | | Collected Date | **08/23/00** | | **08/23/00** | | **08/23/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | 1.1 | X |
| **METAL** | **BARIUM, TOTAL** | 5500 | 154 | | 215 | | 183 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.2 | | 1.4 | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 20.4 | | 29.4 | | 40.4 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 21.2 | | 28.1 | | 16.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 12.7 | X | 13.1 | X | 8.9 | X |

Notes:

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Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB005-70002** | | **GRI-ASS001-40001** | | **GRI-ASS002-40001** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/23/00** | | **08/21/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | 0.006 J | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.045 | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 98.8 | | 152 | | 208 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | 1.5 | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 12.6 | | 22.6 | | 26.2 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | 29.6 J | |
| | **NICKEL, TOTAL** | 1600 | 13.3 | | 24.3 | | 32.7 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 6.8 | X | 11.3 | X | 15.9 | X |

Notes:

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# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS003-40001** | | **GRI-ASS004-40001** | | **GRI-ASS005-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/21/00** | | **08/21/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | 0.098 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 213 | | 168 | | 174 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.5 | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 30.0 | | 19.2 | | 18.9 | |
| | **LEAD, TOTAL** | 400 | 36.0 J | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 26.5 | | 21.0 | | 20.6 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 20.2 | X | 9.5 | X | 10.8 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | **Random PCB** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **GRI-ASS006-40001** | | **GRI-ASS007-40001** | | **GRI-ASS008-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.14 J | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 1 | | | |
| | | PRA Description | | | **Pipeline Liquids AT (285-gallon)** | | | |
| | | Sample Type | | | **Normal Sample** | | | |
| | | Sample Id | **GRI-ASS009-40001** | | **GRI-ASB006-70001** | | **GRI-ASB006-70002** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 1** | | **2 - 2.5** | |
| | | Collected Date | **08/22/00** | | **08/24/00** | | **08/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.039 | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 2 | | | |
| | | PRA Description | | | Lube Oil AT (500-gallon)/Former Lube Oil UT (550-gallon) | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | GRI-ASB006-70003 | | GRI-ASB007-70001 | | GRI-ASB007-70002 | |
| | | Depth - ft bgs | 3.5 - 4 | | 0 - 1 | | 2 - 2.5 | |
| | | Collected Date | 08/24/00 | | 08/24/00 | | 08/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | ND | | ND | |
| | FLUORANTHENE | 3100 | | | ND | | ND | |
| | PYRENE | 2300 | | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | | | ND | | ND | |
| | CHRYSENE | 87 | | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | | | | |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB007-70003** | | **GRI-ASB008-70001** | | **GRI-ASB008-70002** | |
| | | Depth - ft bgs | **3.5 - 4** | | **0 - 1** | | **2 - 2.5** | |
| | | Collected Date | **08/24/00** | | **08/24/00** | | **08/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | | | | | | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 3 | | | |
| | | PRA Description | | | **Used Oil AT (514-gallon)** | | | |
| | | Sample Type | | | **Normal Sample** | | | |
| | | Sample Id | **GRI-ASB008-70003** | | **GRI-ASB009-70001** | | **GRI-ASB009-70002** | |
| | | Depth - ft bgs | **4 - 5** | | **0 - 1** | | **2 - 2.5** | |
| | | Collected Date | **08/24/00** | | **08/24/00** | | **08/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 4 | | 5 | |
| | | PRA Description | | | Former Waste Oil UT (1,250-gallo | | Septic System Leach Field | |
| | | Sample Type | | | Normal Sample | | Field Duplicate (Rep) | |
| | | Sample Id | GRI-ASB009-70003 | | GRI-ASB010-70001 | | GRI-ASB012-71001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 5 - 6 | | 3.5 - 4 | |
| | | Collected Date | 08/24/00 | | 08/24/00 | | 08/23/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | ND | |
| | ACETONE | 7800 | | | | | ND | |
| BNA | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | | | | | 141 | |
| | BERYLLIUM, TOTAL | 160 | | | | | ND | |
| | CADMIUM, TOTAL | 39 | | | | | ND | |
| | CHROMIUM, TOTAL | 230 | | | | | 22.2 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | | | | | 24.4 | |
| | MERCURY, TOTAL | 20 | | | | | 0.64 | |
| | ARSENIC, TOTAL | .43 | | | | | 11.6 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 6 | |
| | | PRA Description | | | | | Former Cooling Water Pond | |
| | | Sample Type | Normal Sample | | | | Normal Sample | |
| | | Sample Id | GRI-ASB011-70001 | | GRI-ASB012-70001 | | GRI-ASB013-70001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 3.5 - 4 | | 0 - 1 | |
| | | Collected Date | 08/23/00 | | 08/23/00 | | 08/23/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | 150 | | 181 | | 166 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 19.5 | | 21.6 | | 24.6 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 19.9 | | 22.9 | | 24.7 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 9.9 | X | 16.6 | X | 10.5 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB013-70002** | | **GRI-ASB014-70001** | | **GRI-ASB014-70002** | |
| | | Depth - ft bgs | **6 - 7** | | **0 - 1** | | **6 - 7** | |
| | | Collected Date | **08/23/00** | | **08/23/00** | | **08/23/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | 0.13 | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 200 | | 168 | | 182 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.3 | | ND | | 1.2 | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 26.4 | | 23.1 | | 26.5 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 31.5 | | 24.2 | | 30.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 17.7 | X | 9.6 | X | 14.7 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 7 | |
| | | PRA Description | | | | | **Opossum Run** | |
| | | Sample Type | | | | | **Normal Sample** | |
| | | Sample Id | **GRI-ASB015-70001** | | **GRI-ASB015-70002** | | **GRI-ASD001-30001** | |
| | | Depth - ft bgs | **0 - 1** | | **6 - 7** | | **0 - 1** | |
| | | Collected Date | **08/23/00** | | **08/23/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | 0.18 | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.045 | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 176 | | 154 | | 193 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 24.1 | | 22.0 | | 22.9 | |
| | **LEAD, TOTAL** | 400 | 27.8 | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 24.9 | | 22.4 | | 26.6 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 11.0 | X | 7.6 | X | 12.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 8 | |
| | | PRA Description | | | | | Unnamed Tributary | |
| | | Sample Type | | | | | Field Duplicate (Rep) | |
| | | Sample Id | GRI-ASD002-30001 | | GRI-ASD003-30001 | | GRI-ASD009-31001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 08/21/00 | | 08/21/00 | | 08/21/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | 2.3 | X |
| METAL | BARIUM, TOTAL | 5500 | 156 | | 165 | | 140 | |
| | BERYLLIUM, TOTAL | 160 | 1.3 | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 24.8 | | 22.4 | | 22.5 | |
| | LEAD, TOTAL | 400 | ND | | ND | | 28.4 J | |
| | NICKEL, TOTAL | 1600 | 28.6 | | 25.8 | | 20.2 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 18.7 | X | 18.3 | X | 10.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **GRI-ASD006-30001** | | **GRI-ASD007-30001** | | **GRI-ASD008-30001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/21/00** | | **08/21/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.056 | | 0.054 | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 166 | | 125 | | 123 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 22.6 | | 16.9 | | 15.1 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 24.5 | | 20.7 | | 18.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 11.7 | X | 13.3 | X | 11.9 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 9 | | | |
| | | PRA Description | | | East Unnamed Tributary | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | GRI-ASD009-30001 | | GRI-ASD004-30001 | | GRI-ASD005-30001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 08/21/00 | | 08/21/00 | | 08/21/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | 1.7 | X | ND | | 0.33 | |
| METAL | BARIUM, TOTAL | 5500 | 140 | | 101 | | 103 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | 1.3 | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 20.2 | | 15.6 | | 25.9 | |
| | LEAD, TOTAL | 400 | 27.0 J | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 19.8 | | 21.4 | | 29.6 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 11.6 | X | 22.6 | X | 17.0 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 10 | | | | | |
| | | PRA Description | Compressed Air System/Auxiliary Building/Air Tool Connections | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | | | Normal Sample | |
| | | Sample Id | GRI-ACH001-81001 | | GRI-AML001-11001 | | GRI-ACH001-80001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 08/22/00 | | 08/22/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | 0.27 J | | ND | | 3.5 J | X |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ACH002-80001** | | **GRI-ACH003-80001** | | **GRI-ACH004-80001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 8.1 | X | 42 | X | 1.2 | X |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ACH005-80001** | | **GRI-ACH006-80001** | | **GRI-ACH007-80001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.35 | | 0.062 | | 0.13 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ACH008-80001** | | **GRI-AML001-10001** | | **GRI-ASD010-30001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 1** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | ND | |
| | **ACETONE** | 7800 | | | | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | ND | |
| | **FLUORANTHENE** | 3100 | | | | | ND | |
| | **PYRENE** | 2300 | | | | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | ND | |
| | **CHRYSENE** | 87 | | | | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.94 | | ND | | 0.12 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | 380 | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | ND | |
| | **CADMIUM, TOTAL** | 39 | | | | | 6.7 | |
| | **CHROMIUM, TOTAL** | 230 | | | | | 79.2 | |
| | **LEAD, TOTAL** | 400 | | | | | 60.5 J | |
| | **NICKEL, TOTAL** | 1600 | | | | | 42.4 | |
| | **MERCURY, TOTAL** | 20 | | | | | ND | |
| | **ARSENIC, TOTAL** | .43 | | | | | 7.9 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS010-40001** | | **GRI-ASS011-40001** | | **GRI-ASS012-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.20 | | 4.5 | X | 0.44 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 11 | | | |
| | | PRA Description | | | **Drum Storage Areas** | | | |
| | | Sample Type | | | **Field Duplicate (Rep)** | | **Normal Sample** | |
| | | Sample Id | **GRI-ASS013-40001** | | **GRI-ASS016-41001** | | **GRI-ACH013-80001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 1** | | **0 - 0** | |
| | | Collected Date | **08/22/00** | | **08/21/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | 0.008 | | | |
| | **ACETONE** | 7800 | | | ND | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | ND | | | |
| | **FLUORANTHENE** | 3100 | | | ND | | | |
| | **PYRENE** | 2300 | | | ND | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | ND | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | ND | | | |
| | **CHRYSENE** | 87 | | | ND | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.26 | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | 166 | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | ND | | | |
| | **CADMIUM, TOTAL** | 39 | | | ND | | | |
| | **CHROMIUM, TOTAL** | 230 | | | 26.8 | | | |
| | **LEAD, TOTAL** | 400 | | | 33.5 J | | | |
| | **NICKEL, TOTAL** | 1600 | | | 26.2 | | | |
| | **MERCURY, TOTAL** | 20 | | | ND | | | |
| | **ARSENIC, TOTAL** | .43 | | | 11.5 | X | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ACH014-80001** | | **GRI-ASS014-40001** | | **GRI-ASS015-40001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/22/00** | | **08/21/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | ND | | ND | |
| | **ACETONE** | 7800 | | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | | | ND | | ND | |
| | **PYRENE** | 2300 | | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | ND | | ND | |
| | **CHRYSENE** | 87 | | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | 190 | | 178 | |
| | **BERYLLIUM, TOTAL** | 160 | | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | | | 24.2 | | 23.5 | |
| | **LEAD, TOTAL** | 400 | | | 33.6 J | | ND | |
| | **NICKEL, TOTAL** | 1600 | | | 25.3 | | 30.2 | |
| | **MERCURY, TOTAL** | 20 | | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | | | 13.3 | X | 11.5 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS016-40001** | | **GRI-ASS017-40001** | | **GRI-ASS036-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/21/00** | | **08/21/00** | | **08/21/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | 0.061 | | 0.62 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 146 | | 197 | | 170 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 27.6 | | 24.0 | | 35.1 | |
| | **LEAD, TOTAL** | 400 | 32.5 J | | ND | | 129 J | |
| | **NICKEL, TOTAL** | 1600 | 26.1 | | 23.1 | | 19.9 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 12.4 | X | 12.4 | X | 11.6 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 12 | | | | | |
| | | PRA Description | Scrubber | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | GRI-ASB016-70001 | | GRI-ASB016-70002 | | GRI-ASB016-70003 | |
| | | Depth - ft bgs | 0 - 1 | | 2 - 2.5 | | 3.5 - 4 | |
| | | Collected Date | 08/24/00 | | 08/24/00 | | 08/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 13 | | | | | |
| | | PRA Description | Fencelines | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | GRI-ASS018-40001 | | GRI-ASS019-40001 | | GRI-ASS020-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 08/22/00 | | 08/22/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | 0.20 J | | 0.17 | |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 14 | | | |
| | | PRA Description | | | Access Roads/Parking Areas | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | GRI-ASS021-40001 | | GRI-ASS022-40001 | | GRI-ASS023-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 08/22/00 | | 08/24/00 | | 08/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 15 | |
| | | PRA Description | | | | | Surplus Equipment Storage Areas | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | GRI-ASS024-40001 | | GRI-ASS025-40001 | | GRI-ACH009-80001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 0 | |
| | | Collected Date | 08/24/00 | | 08/24/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | PHENANTHRENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | 0.10 | | ND | | ND | |
| METAL | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ACH010-80001** | | **GRI-ACH011-80001** | | **GRI-ACH012-80001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | 2.5 | X | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS026-40001** | | **GRI-ASS027-40001** | | **GRI-ASS028-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/22/00** | | **08/16/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS029-40001** | | **GRI-ASS030-40001** | | **GRI-ASS031-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/22/00** | | **08/16/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | 0.48 | |
| **METAL** | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASS032-40001** | | **GRI-ASS033-40001** | | **GRI-ASS034-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **08/23/00** | | **08/23/00** | | **08/23/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | 0.84 | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | 1.8 | | ND | |
| | **PYRENE** | 2300 | ND | | 1.5 | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | 0.66 | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | 0.56 | | ND | |
| | **CHRYSENE** | 87 | ND | | 0.62 | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 79.6 | | 158 | | 199 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | 1.3 | |
| | **CADMIUM, TOTAL** | 39 | ND | | 3.5 | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 12.9 | | 41.5 | | 26.2 | |
| | **LEAD, TOTAL** | 400 | ND | | 217 | | 30.1 | |
| | **NICKEL, TOTAL** | 1600 | 15.6 | | 19.1 | | 26.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | 3.2 J | | ND | |
| | **ARSENIC, TOTAL** | .43 | 6.5 | X | 12.0 | X | 12.3 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 16 | | 17 | | 20 | |
| | | PRA Description | Fin Fan Unit | | Cistern | | Former Auxiliary and Compressor | |
| | | Sample Type | Normal Sample | | Normal Sample | | Normal Sample | |
| | | Sample Id | GRI-ASS035-40001 | | GRI-ASB017-70001 | | GRI-ASB018-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 5 - 6 | | 2.5 - 3.5 | |
| | | Collected Date | 08/22/00 | | 08/24/00 | | 08/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | METHYLENE CHLORIDE | 85 | | | | | 0.006 | |
| | ACETONE | 7800 | | | | | 0.12 R | |
| BNA | PHENANTHRENE | 23000 | | | ND | | ND | |
| | FLUORANTHENE | 3100 | | | ND | | ND | |
| | PYRENE | 2300 | | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | | | ND | | ND | |
| | CHRYSENE | 87 | | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | 0.074 | |
| METAL | BARIUM, TOTAL | 5500 | | | 244 | | 231 J | |
| | BERYLLIUM, TOTAL | 160 | | | 1.6 | | ND | |
| | CADMIUM, TOTAL | 39 | | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | | | 29.1 | | 21.4 | |
| | LEAD, TOTAL | 400 | | | ND | | 48.9 | |
| | NICKEL, TOTAL | 1600 | | | 30.6 | | 26.0 J | |
| | MERCURY, TOTAL | 20 | | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | | | 10.6 | X | 11.9 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | **Buildings** | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **GRI-ASB019-70001** | | **GRI-ASB020-70001** | | **GRI-ASB021-70001** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **2.5 - 3.5** | |
| | | Collected Date | **08/24/00** | | **08/24/00** | | **08/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | 0.011 | | 0.012 | | 0.014 | |
| | **ACETONE** | 7800 | 0.12 R | | 0.12 R | | 0.12 R | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 187 J | | 159 J | | 168 J | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 22.8 | | 18.9 | | 16.1 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 23.7 J | | 24.2 J | | 19.8 J | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 15.7 | X | 25.3 | X | 7.6 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | |
|---|---|---|---|---|---|---|
| | | PRA | | | | |
| | | PRA Description | | | | |
| | | Sample Type | | | | |
| | | Sample Id | **GRI-ASB022-70001** | | **GRI-ASB023-70001** | |
| | | Depth - ft bgs | **2 - 3** | | **5 - 6** | |
| | | Collected Date | **08/24/00** | | **08/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **METHYLENE CHLORIDE** | 85 | 0.030 | | 0.019 | |
| | **ACETONE** | 7800 | 0.12 R | | 0.12 R | |
| **BNA** | **PHENANTHRENE** | 23000 | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.050 | | ND | |
| **METAL** | **BARIUM, TOTAL** | 5500 | 182 J | | 211 J | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | 1.6 | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 18.3 | | 22.1 | |
| | **LEAD, TOTAL** | 400 | 113 | | ND | |
| | **NICKEL, TOTAL** | 1600 | 19.8 J | | 31.7 J | |
| | **MERCURY, TOTAL** | 20 | 0.89 | | ND | |
| | **ARSENIC, TOTAL** | .43 | 10.7 | X | 20.8 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 7 | | | | | |
| | | PRA Description | **Opossum Run** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **GRI-ASW001-20001** | | **GRI-ASW002-20001** | | **GRI-ASW003-20001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **08/22/00** | | **08/22/00** | | **08/22/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **UG/L** | | **UG/L** | | **UG/L** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **BENZENE** | 5 | ND | | ND | | ND | |
| | **ACETONE** | 610 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | .5 | ND | | ND | | ND | |
| **METAL** | **BARIUM, TOTAL** | 2000 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 5 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 100 | ND | | ND | | ND | |
| | **LEAD, TOTAL** | 15 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 8 | | | | 9 | |
| | | PRA Description | Unnamed Tributary | | | | East Unnamed Tributary | |
| | | Sample Type | Normal Sample | | | | Normal Sample | |
| | | Sample Id | GRI-ASW007-20001 | | GRI-ASW008-20001 | | GRI-ASW004-20001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 08/22/00 | | 08/22/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | UG/L | | UG/L | | UG/L | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | BENZENE | 5 | ND | | ND | | ND | |
| | ACETONE | 610 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | .5 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 2000 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 5 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 100 | ND | | ND | | ND | |
| | LEAD, TOTAL | 15 | ND | | ND | | 8.0 J | |
| | ARSENIC, TOTAL | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 17 | | | |
| | | PRA Description | | | Cistern | | | |
| | | Sample Type | | | Field Duplicate (Rep) | | Normal Sample | |
| | | Sample Id | GRI-ASW005-20001 | | GRI-ASW009-21001 | | GRI-ASW009-20001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 08/22/00 | | 08/22/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | UG/L | | UG/L | | UG/L | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | BENZENE | 5 | ND | | ND | | ND | |
| | ACETONE | 610 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | .5 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 2000 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 5 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 100 | ND | | ND | | ND | |
| | LEAD, TOTAL | 15 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001

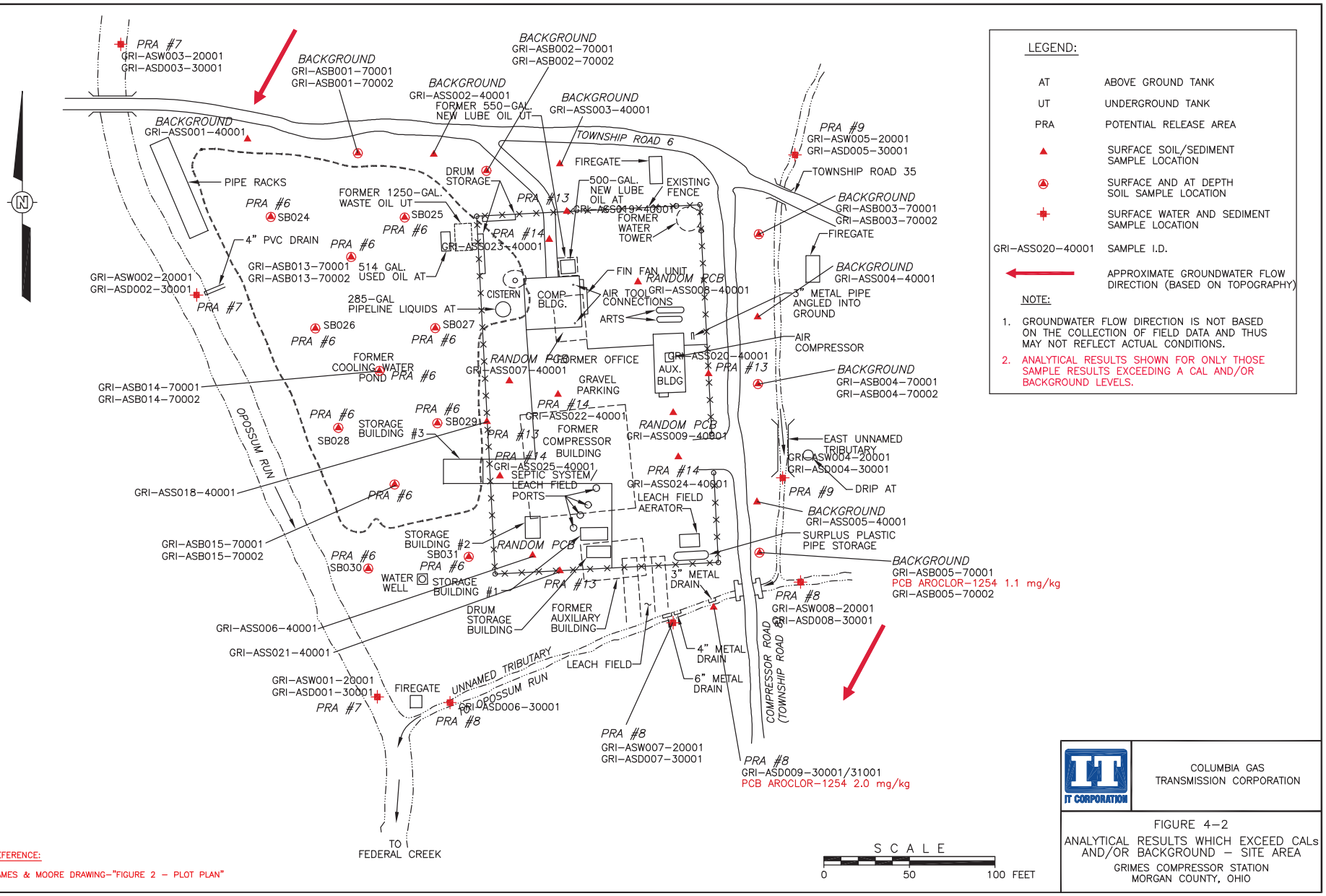
# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 18 | | | | 19 | |
| | | PRA Description | Plant Water Well | | | | Metal Pipe | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | Normal Sample | |
| | | Sample Id | GRI-APW001-61001 | | GRI-APW001-60001 | | GRI-AML002-10001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 08/22/00 | | 08/22/00 | | 08/22/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | UG/L | | UG/L | | UG/L | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | BENZENE | 5 | ND | | ND | | ND | |
| | ACETONE | 610 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | .5 | ND | | ND | | 0.36 | |
| METAL | BARIUM, TOTAL | 2000 | ND | | ND | | 301 | |
| | CADMIUM, TOTAL | 5 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 100 | ND | | ND | | 16.0 | |
| | LEAD, TOTAL | 15 | 14.2 J | | 9.0 J | | 30.6 J | X |
| | ARSENIC, TOTAL | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: February 21, 2001




REFERENCE:

DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"

COLUMBIA GAS TRANSMISSION CORPORATION

IT CORPORATION

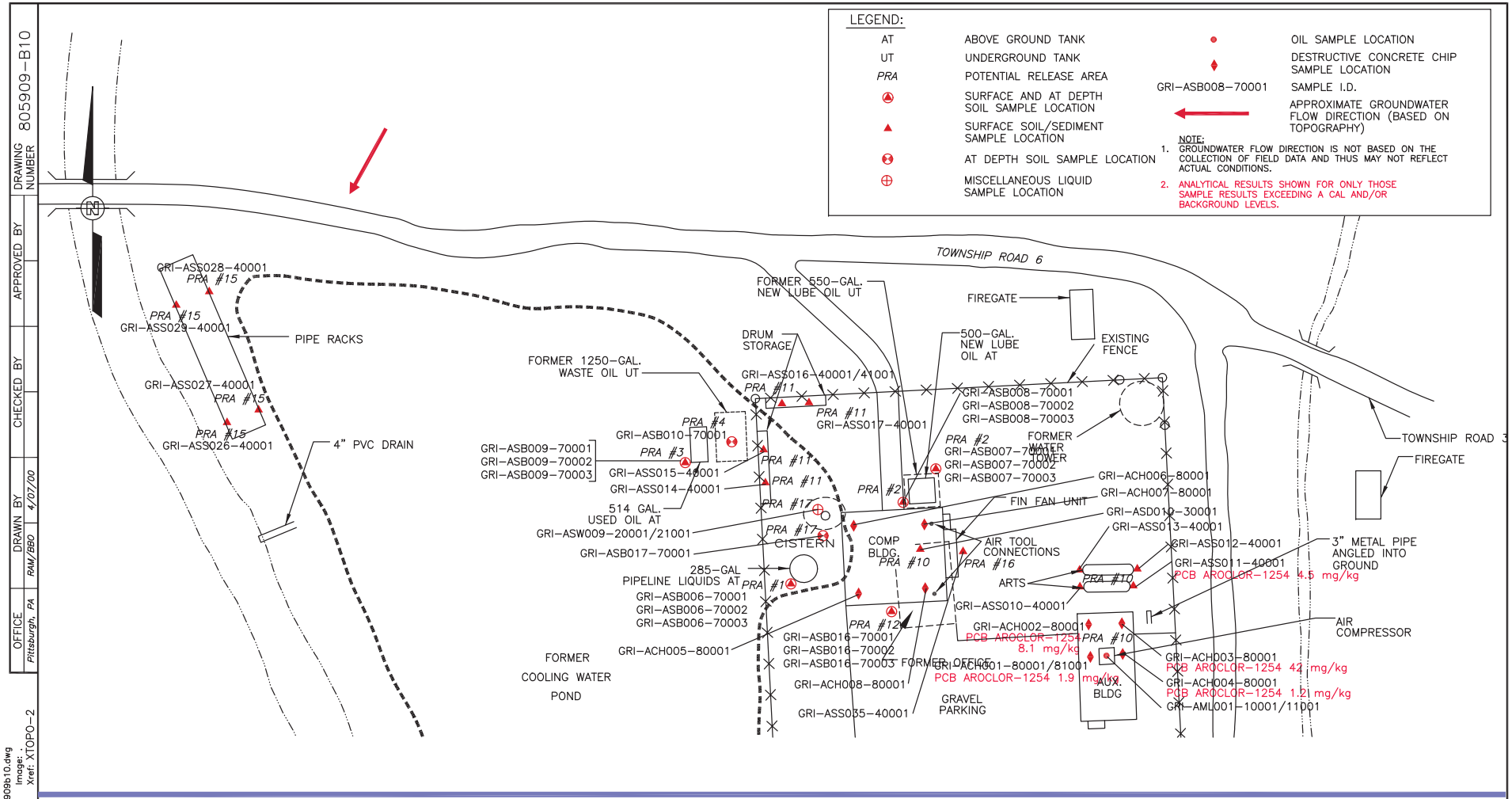
FIGURE 4-2

ANALYTICAL RESULTS WHICH EXCEED CALs AND/OR BACKGROUND - SITE AREA

GRIMES COMPRESSOR STATION
MORGAN COUNTY, OHIO

| OFFICE | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER |
|---|---|---|---|---|
| Pittsburgh, PA | RAM/BBO 4/07/00 | | | 805909-B11 |

O:\Project\Columbia Gas\Grimes\805909b11.dwg
Plot Date/Time: 07/09/01 10:08am Image: .
Format Revised: 12/15/99 Xref: XTOPO-1




**SOUTH SECTION - SEE FIGURE 4-4**

REFERENCE:

DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"

IT CORPORATION

COLUMBIA GAS TRANSMISSION CORPORATION

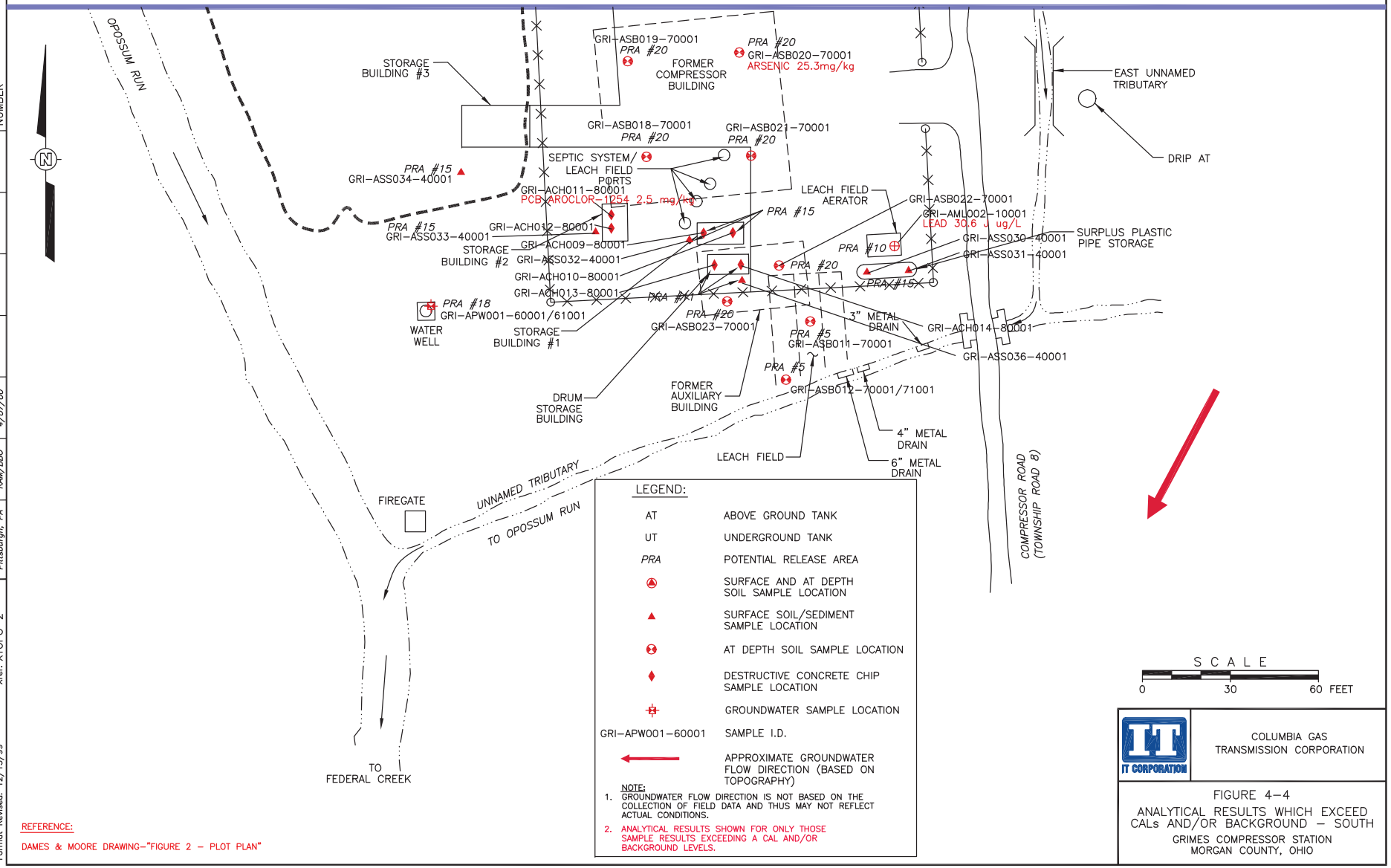
FIGURE 4-3

ANALYTICAL RESULTS WHICH EXCEED CALs AND/OR BACKGROUND - NORTH

GRIMES COMPRESSOR STATION
MORGAN COUNTY, OHIO

| OFFICE | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER |
|---|---|---|---|---|
| Pittsburgh, PA | RAM/BBO 4/07/00 | | | 805909-B10 |

O:\Project\Columbia Gas\Grimes\805909b10.dwg
Plot Date/Time: 03/15/01 10:58am Image: -
Format Revised: 12/15/99 Xref: XTOPO-2


NORTH SECTION - SEE FIGURE 4-3
OPOSSUM RUN
STORAGE BUILDING #3
GRI-ASB019-70001
PRA #20
FORMER COMPRESSOR BUILDING
PRA #20
GRI-ASB020-70001
ARSENIC 25.3mg/kg
EAST UNNAMED TRIBUTARY
DRIP AT
GRI-ASB018-70001
PRA #20
GRI-ASB021-70001
PRA #20
SEPTIC SYSTEM/ LEACH FIELD PORTS
PRA #15
GRI-ASS034-40001
GRI-ACH011-80001
PCB AROCLOR-1254 2.5 mg/kg
LEACH FIELD AERATOR
GRI-ASB022-70001
GRI-AML002-10001
LEAD 30.6 J ug/L
PRA #15
PRA #15
GRI-ASS033-40001
GRI-ACH012-80001
GRI-ACH009-80001
STORAGE BUILDING #2
GRI-ASS032-40001
GRI-ACH010-80001
GRI-ACH013-80001
PRA #10
GRI-ASS030-40001
GRI-ASS031-40001
SURPLUS PLASTIC PIPE STORAGE
PRA #20
PRA #15
PRA #18
GRI-APW001-60001/61001
WATER WELL
STORAGE BUILDING #1
PRA #20
GRI-ASB023-70001
3" METAL DRAIN
GRI-ACH014-80001
PRA #5
GRI-ASB011-70001
GRI-ASS036-40001
PRA #5
GRI-ASB012-70001/71001
DRUM STORAGE BUILDING
FORMER AUXILIARY BUILDING
4" METAL DRAIN
LEACH FIELD
6" METAL DRAIN
COMPRESSOR ROAD (TOWNSHIP ROAD 8)
FIREGATE
UNNAMED TRIBUTARY
TO OPOSSUM RUN
TO FEDERAL CREEK
N
LEGEND:
AT ABOVE GROUND TANK
UT UNDERGROUND TANK
PRA POTENTIAL RELEASE AREA
SURFACE AND AT DEPTH SOIL SAMPLE LOCATION
SURFACE SOIL/SEDIMENT SAMPLE LOCATION
AT DEPTH SOIL SAMPLE LOCATION
DESTRUCTIVE CONCRETE CHIP SAMPLE LOCATION
GROUNDWATER SAMPLE LOCATION
GRI-APW001-60001 SAMPLE I.D.
APPROXIMATE GROUNDWATER FLOW DIRECTION (BASED ON TOPOGRAPHY)
NOTE:
1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REFLECT ACTUAL CONDITIONS.
2. ANALYTICAL RESULTS SHOWN FOR ONLY THOSE SAMPLE RESULTS EXCEEDING A CAL AND/OR BACKGROUND LEVELS.
SCALE
0 30 60 FEET
REFERENCE:
DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"
IT CORPORATION
COLUMBIA GAS TRANSMISSION CORPORATION
FIGURE 4-4
ANALYTICAL RESULTS WHICH EXCEED CALs AND/OR BACKGROUND - SOUTH
GRIMES COMPRESSOR STATION
MORGAN COUNTY, OHIO
DRAWING NUMBER 805909-B9
APPROVED BY
CHECKED BY
DRAWN BY RAM/BBO 4/07/00
OFFICE Pittsburgh, PA
O:\Project\Columbia Gas\Grimes\805909b9.dwg
Plot Date/Time: 03/15/01 11:01am Image: .
Format Revised: 12/15/99 Xref: XTOPO-2

concentrations. Metals detected in this sample were below the CALs and/or background levels calculated below without this sample. The PCB exceedance in this sample will be discussed further in Section 5.

Table 1 Metal constituents, with the exception of Arsenic, were detected below the CALs. Arsenic was detected above the CAL (0.43 mg/kg) in all 15 background samples at concentrations ranging from 5.6 mg/kg (GRI-ASB002-70002) to 20.2 mg/kg (GRI-ASS003-40001). Other Table 1 metals constituents detected in the background samples were Barium, Beryllium, Chromium, Lead, and Nickel.

The maximum detected concentration in the background samples and a concentration equal to two times the arithmetic mean of concentrations detected in background were determined for each constituent detected (Appendix I - Site Background Calculations). As provided for in the

CWP, the higher of these two values was used to establish the background concentration for specific constituents at the site. Background calculations were not performed for VOC or PCB constituents detected in the background samples. The following are the results of the site background calculations:

| **Analyte** | **Background Calculation Level (mg/kg)** |
|---|---|
| Arsenic | 23.51 |
| Barium | 360.54 |
| Beryllium | 2.09 |
| Chromium | 49.79 |
| Lead | 41.8 |
| Nickel | 61.8 |

### *4.3.2 PCB Random Sampling Analytical Results*

Four surface soil samples (0.0-0.5 feet bgs) were collected and submitted to the laboratory for PCB analyses. Analytical results indicated that PCBs were detected in two of the soil samples at concentrations less than the CAL (1 mg/kg) for PCBs.

### *4.3.3 Site Characterization Analytical Results*

***PRA #1 – 285-gallon Pipeline Liquids AT***

One surface soil sample (0.0-1.0 feet bgs) and two subsurface soil samples (one at 2.0-2.5 feet and one at 3.5-4.0 feet bgs) were collected and submitted to the laboratory for BTEX and PCB

sample, BTEX, PCBs, and PAHs were not detected, and Table 1 Metals were detected below the CALs and/or background.

***PRA #18 Water Well***

One groundwater sample and one duplicate groundwater sample were collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that VOCs, PAHs, and PCBs were not detected. One Table 1 Metal (Lead) was detected below the CAL.

***PRA #19 Metal Pipe (Septic System Aerator Tank)***

One miscellaneous liquid sample was collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that VOCs and PAHs were not detected and that PCBs were detected below the CAL. Table 1 Metals, except total Lead, were not detected or detected below the CALs. Total Lead was detected at a concentration greater than the CAL (15 ug/L) in the miscellaneous liquid sample GRI-AML002-10001 (30.6 J ug/L).

***PRA #20 Former Auxiliary and Compressor Buildings***

One surface soil sample (0.0-1.0 feet bgs) and five subsurface soil samples (two at 2.0-3.0 feet, two at 2.5-3.5 feet, and one at 5.0-6.0 feet bgs) were collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that PAHs were not detected, and that PCBs and VOCs were detected below the CALs. Table 1 Metals, except Arsenic in one sample, were not detected or detected below the CALs and/or background. Arsenic was detected at a concentration exceeding the CAL (0.43 mg/kg) and background (23.51 mg/kg) in sample GRI-ASB020-70001 (25.3 mg/kg).

### *4.4 Quality Assurance/Quality Control Assessment Criteria*

The following is a summary of the overall QA/QC criteria assessment for analytical data generated as a result of the Grimes Compressor Station site characterization. This summary reflects the general trends throughout the sampling events at the site contained within batch COC0623009, COC0623010, COC0623011, COC0623012, COC0623013, COC0623014, and COC0623015. To facilitate review of the automated QA/QC assessments, the discussion has been separated into the following criteria:

**Holding Time:** All holding time criteria were met for the reported analyses. Data qualification was not necessary due to holding time considerations.

**Surrogate Recoveries:** Surrogate recoveries were evaluated for the BTEX, VOA, PCB, and PAH fractions. All surrogate recoveries were within the established criteria with the exception of the Volatile Organic Analyte (VOA) and PCB fractions. The surrogate

# *APPENDIX D*

# *SOIL BORING LOGS*

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: Grimes | |
| BORING NUMBER: | SS001 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, with large gravel | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: Grimes | |
| BORING NUMBER: | SS002 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: M(b) (4) | | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, with sandstone fragments | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: Grimes | |
| BORING NUMBER: | SS003 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, soft, organic matter | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: Grimes | |
| BORING NUMBER: | SS004 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, soft, noted sandstone fragments and organic matter | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: Grimes | |
| BORING NUMBER: | SS005 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB001 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brownish red lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB002 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brownish red lean CLAY, little sand, moist, medium stiff, noted weathered shale and sandstone fragments | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB003 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | black sandy SILT, moist, soft, organic matter | ML | 0.0 | |
| | | | brown SILT, with medium sand, moist, medium stiff, noted sandstone fragments | | | |
| 1 | | | | | | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB004 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB005 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown SILT, little sand and gravel, moist, stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | red medium SAND, some gray silt, moist, soft | SM | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS006 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown silty CLAY | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS007 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | yellowish brown to brown fine SAND and SILT | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS008 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown silty CLAY | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS009 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown silty SAND, with gravel | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #1

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB006 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | tan mottled gray lean CLAY, some sand, moist, medium stiff | CL | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #2

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB007 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brownish gray sandy SILT, moist, medium stiff | ML | | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | brownish red lean CLAY, moist, medium stiff | CL | | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #2

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB008 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown mottled gray lean CLAY, some sand, moist, soft | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | gray sandy SILT, moist, soft | ML | | |
| 4 | 4.0-4.5' | 70003 | brownish red lean CLAY, little sand, moist, stiff | CL | 0.0 | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #3

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB009 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown mottled gray red lean CLAY, little sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #4

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB010 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown lean CLAY, some sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | gray lean CLAY, some sand, moist medium stiff | | | |
| 5 | 5.0-6.0' | 70001 | | | 0.8 | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #5

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB011 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | 0.2' gravel<br>brown lean CLAY, some sand, moist, medium stiff, noted weathered shale | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| | 3.5-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #5

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB012 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown sandy SILT, moist, soft, sandstone fragments | ML | | |
| 2 | | | | | | |
| 3 | | | | | | |
| | 3.5-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB013 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown mottled red and gray lean CLAY, some sand, medium stiff, moist | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | 6.0-7.0' | 70002 | grayish green sandy SILT, wet, medium stiff, noted sandstone fragments | ML | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB014 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | brown mottled grayish red lean CLAY, some sand, moist, medium stiff | CL | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | 6.0-7.0' | 70002 | grayish green sandy SILT, wet, medium sitff, noted sandstone fragments | ML | 0.0 | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB015 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | brown mottled grayish red lean CLAY, some sand, moist, medium stiff | CL | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | 6.0-7.0' | 70002 | grayish green sandy SILT, wet, medium stiff, noted sandstone fragments | ML | 0.0 | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB024 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown sandy SILT, moist, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | grayish green sandy SILT, wet, medium stiff, weathered shale and sandstone fragments | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB025 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown mottled gray lean CLAY, little sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | gray SILT and SAND, wet, soft, little shale and sandstone fragments | SM | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB026 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown sandy SILT, moist, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | brown SILT, with red sandstone fragments, moist, soft | | | |
| 6 | | | gray SAND and SILT, wet, soft, weathered shale | SM | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB027 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown mottled red, olive gray lean CLAY, with sandstone fragments, firm | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | dark gray to olive gray sandy SILT, moist | SM | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB028 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | brown mottled gray lean CLAY, some medium sand, moist | | | |
| 3 | | | | | | |
| 4 | | | brown coarse SAND, little silt, saturated, loose | SP | | |
| 5 | | | | | | |
| 6 | | | gray fine to medium SAND, little silt, saturated, loose | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB029 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | brown mottled gray lean CLAY, little sand, moist, medium stiff | | | |
| 4 | | | | | | |
| 5 | | | grayish green SILT, with sand, moist, medium dense, noted sandstone fragments | ML | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB030 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown sandy SILT, moist, medium dense | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | brown medium SAND, some silt, moist, soft | | | |
| 8 | | | | | | |

PRA: #6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB031 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | brown lean CLAY, some sand, moist, medium stiff, noted weathered shale and sandstone | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

PRA: #7

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD001 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | olive grayish brown sandy SILT, with some rock, wet | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #7

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SD002 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | fine to coarse subrounded GRAVEL | GW | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #7

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD003 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown medium SAND, saturated, loose | SW | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #8

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD009 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown sandy SILT, moist, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #8

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD008 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown sandy SILT, with some rock, saturated | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #8

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SD007 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | yellowish brown SAND and GRAVEL, little silt, trace clay | GM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #8

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD006 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown sandy SILT, with little gravel, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #9

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD005 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown coarse SAND, saturated, loose | SP | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #9

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD004 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | brown coarse SAND and SILT, saturated, loose, with gravel | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #10

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SD010 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Trowel | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 30001 | SAND, SILT, CONCRETE, SEDIMENT | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #10

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS010 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | light brown SILT, some clay, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #10

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS011 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | light brown olive gray mottled silty CLAY, moist | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #10

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS012 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, some sand, moist, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #10

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS013 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | light brown silty CLAY, trace paint chips | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #11

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS014 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown lean CLAY, moist, soft, organic matter | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #11

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS015 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown lean CLAY, moist, soft, organic matter | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #11

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS016 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | 0.2' gravel<br>red to brown silty CLAY, moist, soft | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #11

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS017 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brownish green silty CLAY, moist, soft | CL | 48.2 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #11

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS036 | COORDINATES: Not Surveyed | DATE: 8/21/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/21/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/21/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown lean CLAY, moist, soft | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #12

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB016 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown and gray lean CLAY, little sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #13

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS018 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | light brown SAND and SILT | SM | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #13

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS019 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #13

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS020 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #13

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS021 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown, orangish brown mottled silty CLAY, moist | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #14

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS023 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, with fine gravel | SM | | |
| | | | brown mottled gray lean CLAY, little sand, moist, stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #14

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS024 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, moist, stiff, fine gravel | SM | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #14

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS025 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown lean CLAY, little sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #14

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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS022 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown lean CLAY, little sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS026 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS027 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS028 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, with large gravel | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS029 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, with some gravel, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS030 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown clayey SILT, moist, soft, gravel | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS031 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown sandy SILT, moist, soft, little shale fragments and gravel | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS032 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | yellowish brown silty fine SAND | SM | 0.0 | |
| | | | yellowish brown to grayish brown lean CLAY, moist, trace gravel | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS033 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | brown and gray silty CLAY, some fine to coarse sand and gravel, moist, trace paint chips | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #15

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SS034 | COORDINATES: Not Surveyed | DATE: 8/23/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/23/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/23/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | yellowish brown lean CLAY, trace fine to coarse gravel, moist | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #16

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SS035 | COORDINATES: Not Surveyed | DATE: 8/22/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/22/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/22/00 |
| DRILLING METHODS: Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 40001 | 0.2' gravel on top<br>dark brown sandy CLAY<br>dark brown silty CLAY | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #17

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB017 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| | | | brown mottled gray lean CLAY, little sand, moist, medium stiff | | | |
| 2 | | | | | | |
| 3 | | | gray sandy SILT, moist, medium stiff | ML | 0.7 | |
| 4 | | | | | 29.4 | |
| 5 | 5.0-6.0' | 70001 | | | 41.0 | |
| 6 | | | brown mottled gray lean CLAY, little sand, moist, medium stiff | CL | | |
| 7 | | | | | 0.0 | |
| 8 | | | | | | |

PRA: #20

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB018 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 3.5' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brownish orange lean CLAY, some sand, moist, medium stiff | CL | | |
| 2 | | | | | | |
| | 2.5-3.5' | 70001 | | | | |
| 3 | | | | | | |
| | | | refusal at 3.5' concrete | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #20

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB019 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brownish orange lean CLAY, little sand, moist, medium stiff | CL | | |
| 2 | 2.0-3.0' | 70001 | | | 0.0 | |
| 3 | | | refusal at 3.0' concrete | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #20

IT CORPORATION
A Member of The IT Group

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB020 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, with sand and gravels, moist, stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #20

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | |
|---|---|---|
| PROJECT NUMBER: | PROJECT NAME: GRIMES | |
| BORING NUMBER: SB021 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: (b) (4) | TOTAL BORING DEPTH: 3.5' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brownish orange lean CLAY, some sand and fine gravel, moist, medium stiff | CL | | |
| 2 | | | | | | |
| | 2.5-3.5' | 70001 | | | 0.0 | |
| 3 | | | | | | |
| | | | refusal af 3.5' red coarse sand/concrete | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #20

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB022 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) [redacted] | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brownish green sandy SILT, with fine gravel, moist, medium stiff | ML | | |
| 2 | 2.0-3.0' | 70001 | | | 0.0 | |
| 3 | | | refusal at 3.0' concrete | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: #20

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: GRIMES | |
| BORING NUMBER: | SB023 | COORDINATES: Not Surveyed | DATE: 8/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 8/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 8/24/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | tan sandy SILT, moist, medium stiff | ML | | |
| 2 | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | 5.0-6.0' | 70001 | brownish orange lean CLAY, little sand, moist, medium stiff, noted sandstone fragments | | 0.0 | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |

# *APPENDIX I*

# *SITE BACKGROUND CALCULATIONS*

**ARSENIC BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | ARSENIC (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 9.9 | | |
| GRI- ASB001-70002 | 10 | | |
| GRI- ASB002-70001 | 11.9 | | |
| GRI- ASB002-70002 | 5.6 | | |
| GRI- ASB003-70001 | 12.3 | | |
| GRI- ASB003-70002 | 14.6 | | |
| GRI- ASB004-70001 | 12.7 | | |
| GRI- ASB004-70002 | 13.1 | | |
| GRI- ASB005-70002 | 6.8 | | |
| GRI- ASS001-40001 | 11.3 | | |
| GRI- ASS002-40001 | 15.9 | | |
| GRI- ASS003-40001 | 20.2 | | |
| GRI- ASS004-40001 | 9.5 | | |
| GRI- ASS005-40001 | 10.8 | | |
| **Average Concentration** | **11.76** | X 2 = | **23.51** |

**Calculated background concentration - 23.51 mg/kg**
**Maximum detected concentration - 20.20 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 23.51 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**BARIUM BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | BARUIM (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 160 | | |
| GRI- ASB001-70002 | 193 | | |
| GRI- ASB002-70001 | 150 | | |
| GRI- ASB002-70002 | 298 | | |
| GRI- ASB003-70001 | 180 | | |
| GRI- ASB003-70002 | 160 | | |
| GRI- ASB004-70001 | 154 | | |
| GRI- ASB004-70002 | 215 | | |
| GRI- ASB005-70002 | 98.8 | | |
| GRI- ASS001-40001 | 152 | | |
| GRI- ASS002-40001 | 208 | | |
| GRI- ASS003-40001 | 213 | | |
| GRI- ASS004-40001 | 168 | | |
| GRI- ASS005-40001 | 174 | | |
| **Average Concentration** | **180.27** | X 2 = | **360.54** |

**Calculated background concentration - 360.54 mg/kg**
**Maximum detected concentration - 298.00 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 360.54 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**BERYLLIUM BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | BERYLLIUM (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 0.6 | | |
| GRI- ASB001-70002 | 1.3 | | |
| GRI- ASB002-70001 | 0.6 | | |
| GRI- ASB002-70002 | 1.9 | | |
| GRI- ASB003-70001 | 1.1 | | |
| GRI- ASB003-70002 | 1.2 | | |
| GRI- ASB004-70001 | 1.2 | | |
| GRI- ASB004-70002 | 1.4 | | |
| GRI- ASB005-70002 | 0.55 | | |
| GRI- ASS001-40001 | 0.6 | | |
| GRI- ASS002-40001 | 1.5 | | |
| GRI- ASS003-40001 | 1.5 | | |
| GRI- ASS004-40001 | 0.55 | | |
| GRI- ASS005-40001 | 0.6 | | |
| **Average Concentration** | **1.04** | X 2 = | **2.09** |

**Calculated background concentration - 2.09 mg/kg**
**Maximum detected concentration - 1.90 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 2.09 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**CHROMIUM BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | CHROMIUM (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 23.6 | | |
| GRI- ASB001-70002 | 26.2 | | |
| GRI- ASB002-70001 | 31.8 | | |
| GRI- ASB002-70002 | 38.6 | | |
| GRI- ASB003-70001 | 26.7 | | |
| GRI- ASB003-70002 | 22.3 | | |
| GRI- ASB004-70001 | 20.4 | | |
| GRI- ASB004-70002 | 29.4 | | |
| GRI- ASB005-70002 | 12.6 | | |
| GRI- ASS001-40001 | 22.6 | | |
| GRI- ASS002-40001 | 26.2 | | |
| GRI- ASS003-40001 | 30 | | |
| GRI- ASS004-40001 | 19.2 | | |
| GRI- ASS005-40001 | 18.9 | | |
| **Average Concentration** | **24.89** | X 2 = | **49.79** |

**Calculated background concentration - 49.79 mg/kg**
**Maximum detected concentration - 38.60 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 49.79 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**LEAD BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | LEAD (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 26.9 | | |
| GRI- ASB001-70002 | 12.35 | | |
| GRI- ASB002-70001 | 41.8 | | |
| GRI- ASB002-70002 | 11.85 | | |
| GRI- ASB003-70001 | 10.95 | | |
| GRI- ASB003-70002 | 11.35 | | |
| GRI- ASB004-70001 | 11.45 | | |
| GRI- ASB004-70002 | 12.15 | | |
| GRI- ASB005-70002 | 11 | | |
| GRI- ASS001-40001 | 12.4 | | |
| GRI- ASS002-40001 | 29.6 | | |
| GRI- ASS003-40001 | 36 | | |
| GRI- ASS004-40001 | 11.05 | | |
| GRI- ASS005-40001 | 11.55 | | |
| **Average Concentration** | **17.89** | X 2 = | **35.77** |

**Calculated background concentration - 35.77 mg/kg**
**Maximum detected concentration - 41.80 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 41.80 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**NICKEL BACKGROUND LEVEL WORKSHEET**
**GRIMES COMPRESSOR STATION**
**MORGAN COUNTY, OHIO**

| BACKGROUND SAMPLES | NICKEL (mg/kg) | | |
|---|---|---|---|
| GRI- ASB001-70001 | 24.6 | | |
| GRI- ASB001-70002 | 26.9 | | |
| GRI- ASB002-70001 | 26.7 | | |
| GRI- ASB002-70002 | 61.8 | | |
| GRI- ASB003-70001 | 27 | | |
| GRI- ASB003-70002 | 22.8 | | |
| GRI- ASB004-70001 | 21.2 | | |
| GRI- ASB004-70002 | 28.1 | | |
| GRI- ASB005-70002 | 13.3 | | |
| GRI- ASS001-40001 | 24.3 | | |
| GRI- ASS002-40001 | 32.7 | | |
| GRI- ASS003-40001 | 26.5 | | |
| GRI- ASS004-40001 | 21 | | |
| GRI- ASS005-40001 | 20.6 | | |
| **Average Concentration** | **26.96** | X 2 = | **53.93** |

**Calculated background concentration - 53.93 mg/kg**
**Maximum detected concentration - 61.80 mg/kg**

**SELECTED SITE BACKGROUND LEVEL · 61.80 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration