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Results of Soil, Ground-Water, Surface-Water, and Streambed-Sediment Sampling at Air Force Plant 85, Columbus, Ohio, 1996

By James M. Parnell

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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
inch	25.4	millimeter
foot	0.3048	meter
acre	0.4047	square hectometer
gallon	3.785	liter
pound, avoirdupois	0.4536	kilogram

Temperature is given in degrees Celsius (°C), which can be converted to degrees Fahrenheit (°F) by use of the following equation:

$$^{\circ}\text{F} = 1.8(^{\circ}\text{C}) + 32$$

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Abbreviated chemical and physical units used in this report: Chemical concentrations and water temperature are given in metric units. Chemical concentration is given in milligrams per liter (mg/L) or micrograms per liter (µg/L). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter. For concentrations less than 7,000 mg/L, the numerical value is approximately the same as for concentrations in parts per million. Specific conductance of water is expressed in microsiemens per centimeter at 25 degrees Celsius (µS/cm). This unit is equivalent to micromhos per centimeter at 25 degrees Celsius (µmho/cm), formerly used by the U.S. Geological Survey.

Chemical concentrations of constituents in a solid matrix are given in milligrams per kilogram (mg/kg). These units are used to express the concentrations of chemical constituents as weight of constituent concentrations in soils. Volumes of headspace gas screenings are given in microliters (µL).

ABBREVIATIONS AND ACRONYMS

AFP 85	Air Force Plant 85
DOD	Department of Defense
I.D.	Inside diameter
IRP	Installation Restoration Program
O.D.	Outside Diameter
PCB's	Polychlorinated biphenyls
Plant	Air Force Plant 85
PVC	Polyvinyl chloride
QA/QC	Quality assurance and quality control
SVOC's	Semivolatile organic compounds
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
VOC's	Volatile organic compounds

Results of Soil, Ground-Water, Surface-Water, and Streambed-Sediment Sampling at Air Force Plant 85, Columbus, Ohio, 1996

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ABSTRACT

The U.S. Geological Survey (USGS), in cooperation with Aeronautical Systems Center, Environmental Management Directorate, Restoration Division, prepared the Surface-Water and Ground-Water Monitoring Plan for Air Force Plant 85 (AFP 85 or Plant), Columbus, Ohio, under the Air Force Installation Restoration Program to characterize any ground-water, surface-water, and soil contamination that may exist at AFP 85. The USGS began the study in November 1996.

The Plant was divided into nine sampling areas, which included some previously investigated study sites. The investigation activities included the collection and presentation of data taken during drilling and water-quality sampling. Data collection focused on the saturated and unsaturated zones and surface water. Twenty-three soil borings were completed. Ten monitoring wells (six existing wells and four newly constructed monitoring wells) were selected for water-quality sampling. Surface-water and streambed-sediment sampling locations were chosen to monitor flow onto and off of the Plant. Seven sites were sampled for both surface-water and streambed-sediment quality.

This report presents data on the selected inorganic and organic constituents in soil, ground water, surface water, and streambed sediments at AFP 85. The methods of data collection and analysis also are included. Knowledge of the geologic and hydrologic setting could aid Aeronautical Systems Center, Environmental Management Direc-

torate, Restoration Division, and its governing regulatory agencies in future remediation studies.

INTRODUCTION

In 1980, the Department of Defense (DOD) devised a comprehensive Installation Restoration Program (IRP) to assess and to control the migration of environmental contamination that may have resulted from past operations and (or) disposal practices at DOD facilities. The IRP underwent changes under the Superfund Amendment/Reauthorization Act in 1986, which required all DOD facilities to follow guidelines and procedures set forth by the U.S. Environmental Protection Agency (USEPA). The U.S. Geological Survey (USGS), in cooperation with Aeronautical Systems Center, Environmental Management Directorate, Restoration Division, prepared the Surface-Water and Ground-Water Monitoring Plan (Parnell, 1996) for Air Force Plant 85 (AFP 85 or Plant), Columbus, Ohio, under the Air Force IRP to characterize any ground-water, surface-water, and soil contamination that may exist at AFP 85. The USGS began the study in November 1996.

Purpose and Scope

This report presents data on selected inorganic and organic constituents in soil, ground water, surface water, and streambed sediments at AFP 85. The methods of data collection and analysis also are included. Knowledge of the hydrogeologic system could aid Aeronautical Systems Center, Environmental Management Directorate, Restoration Division, and its governing regulatory agencies during future remediation studies in determining the potential pathways for

contaminant migration into the underlying water-bearing zones or nearby surface waters

Description and History of Study Area

AFP 85 is in Franklin County in the eastern part of Columbus, Ohio. The 288-acre site is in an urban industrial area adjacent to Port Columbus International Airport (fig. 1). AFP 85 began operations in 1941 as a naval aircraft production and maintenance facility. In 1982, the Plant was transferred to the U.S. Air Force from the U.S. Navy. Shortly thereafter, Rockwell International was awarded the contract to produce the B-1 bomber at AFP 85. Starting in 1988, the Plant was

operated for the U.S. Air Force by McDonnell-Douglas for the production of aircraft parts. In 1994, McDonnell-Douglas ceased operations. Since that time, the facility has been used for administration purposes only by the Defense Finance Accounting Service.

Over the years at AFP 85, operations included machining, metal finishing and electroplating, forming, painting and coating, and assembly. Waste associated with these activities included concentrated acids for metal cleaning and electroplating, process-tank sludges, cyanide wastes, chromium solutions, lime sludges, spent degreasers, and paint strippers. Waste oils, solvents, and aviation fuels were also collected and stored as part of the operations.

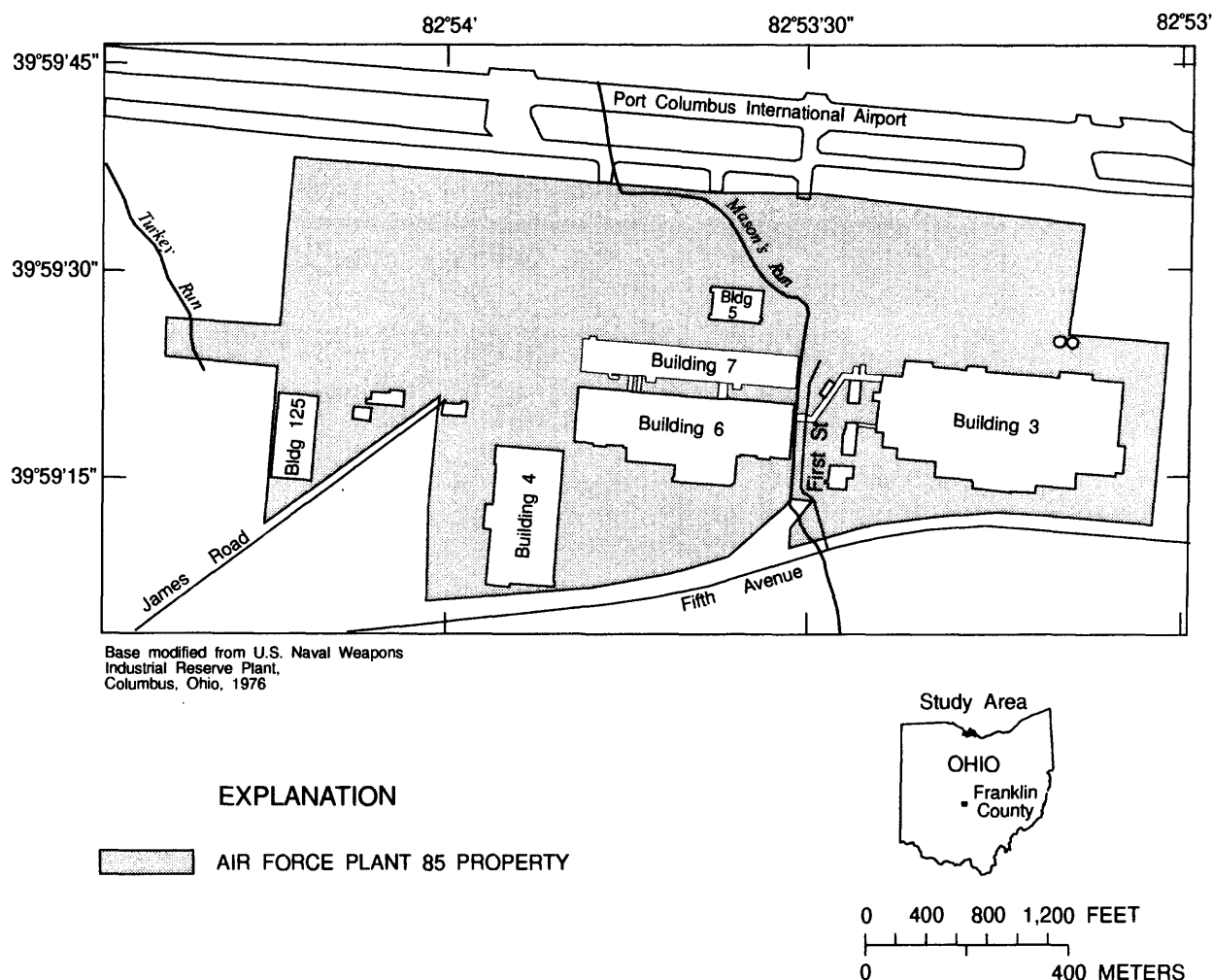


Figure 1. Location of Air Force Plant 85, Columbus, Ohio.

Previous Investigations

AFP 85 has been the subject of a several investigations since 1982. The following briefs are based on a review of reports and supporting documents submitted by consultants and from project files (U.S. Air Force Aeronautical Systems Center, 1994); existing sites are shown in figure 2.

The IRP began in 1982 under a Phase I Hazardous Materials Disposal Site Records Search. The purpose of this study was to identify sites of potential environmental concern. Nine sites (1, 2, 3, 4, 5, 6, 7, 9, and 11) at AFP 85 were identified in the Phase I report.

A Phase II, Stage I, Investigation Confirmation and Quantification was completed in 1988. During the investigation, limited sampling was done at Sites 2 through 5 and 8.

A Phase II, Stage II, Remedial Investigation and Feasibility Study was completed in 1990. The work was completed in accordance with the National Contingency Plan enacted under the Comprehensive Environmental Response, Compensation, and Liability Act. This work involved Sites 3, 4, 5, 8, and 10 and resulted in No Further Action Decision Documents.

In 1993, a Phase II Stage 2A study was done at Sites 3 and 4. Additional work was done at Site 11 under the Toxic Substances Control Act.

Site characterization work at Site 4 by the USGS and U.S. Army Corps of Engineers was done in September 1994. A U.S. Army Corps of Engineers data report was used to define the extent of possible contamination by organic compounds at Site 4.

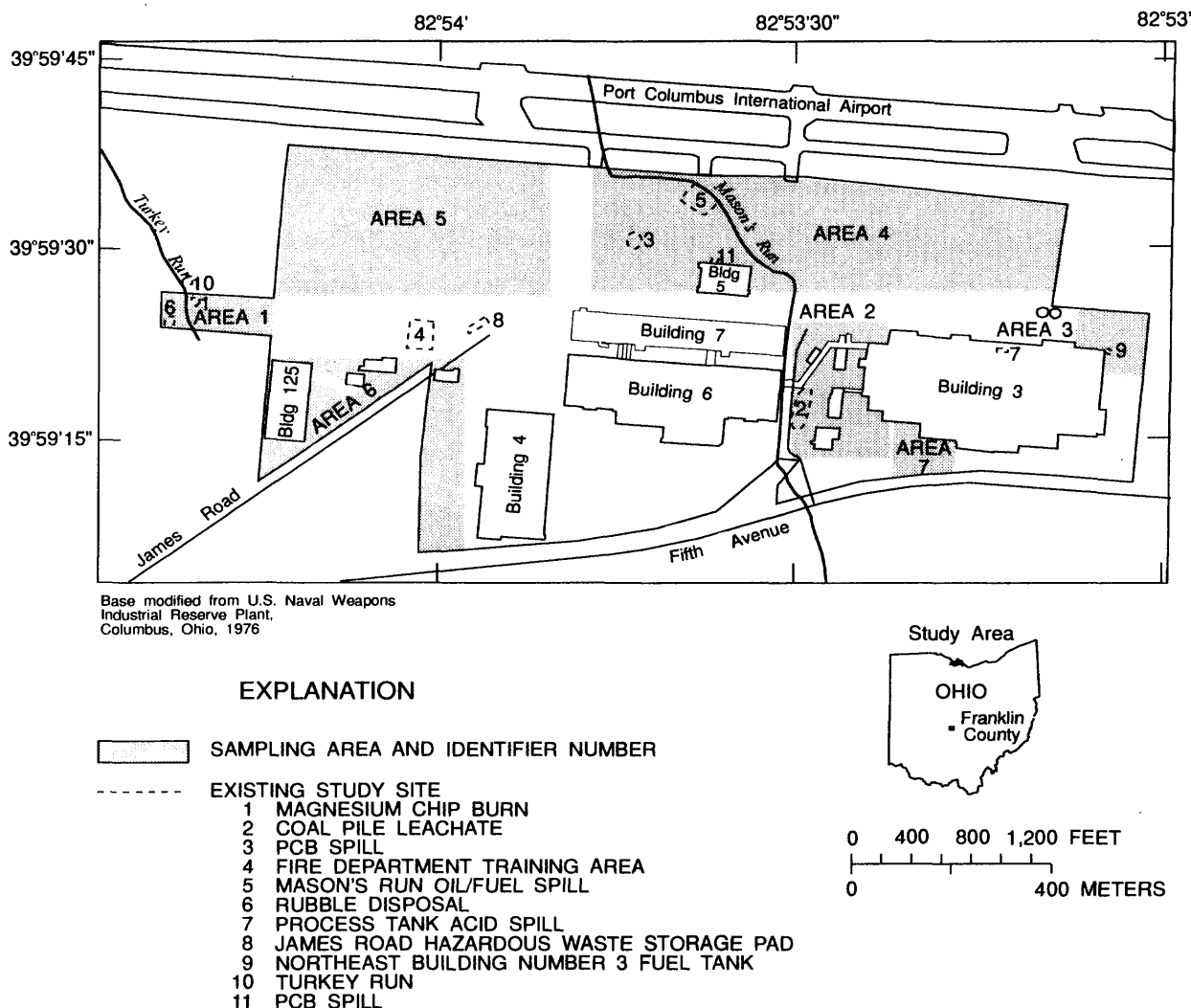


Figure 2. Location of sampling areas and existing study sites, Air Force Plant 85, Columbus, Ohio.

METHODS OF STUDY

This report presents the data collected during drilling and water-quality sampling. Data collection focused on the saturated and unsaturated zones and surface water. The various Plant areas are listed in table 1 and are shown in detail in figures 3 through 11 (at back of report).

Soil Sampling

A total of 23 soil borings were completed to determine the levels of anthropogenic and nonanthropogenic chemical compounds in the vicinity of the selected Plant areas. The size and specific location of each area was determined from previous investigations and (or) from aerial photographs if they were available. The total number of borings for each area were selected to be vertically and areally representative of the area. Two samples were selected from each boring on the basis of field-screening criteria described below and were sent to the contract laboratory for analysis. Total depths range from 2.3 to 95 feet.

Borehole drilling was done by use of an 8-1/2-inch-inside-diameter (I.D.) hollow-stem auger. The continuous soil samples were collected for analysis by use of a 60-inch-long, 4-inch-outer-diameter (O.D.) core-barrel sampler. The sampler was driven 30 inches or to refusal. Once driven, the barrel and rod were withdrawn from the auger and the sampler was removed from the rods. USGS personnel recorded descriptive (lithologic) logs in the field notebook (Appendix 1). Soil samples for chemical analysis consisted of qualitative field screening followed by quantitative laboratory analyses. For the field screening, a portable organic vapor analyzer equipped with a flame ionization detector and a photoionization detector was used to analyze the borehole samples for volatile organic compounds (VOC's), progressing from one end of the core to the other. Sections of core identified as potentially contaminated by the analysis were preferentially selected for the subsequent laboratory analyses. Other samples were collected and sent to the laboratory on the basis of lithology. All borehole cuttings were drummed for later analysis and disposal by the Plant. All boreholes were grouted by injecting a bentonite/cement slurry until it overflowed at the surface. Analyses for soil samples are listed in table 2. Analytical procedures used are outlined in the Surface-

water and Ground-water Monitoring Plan (Parnell, 1996). The results of the borehole screening are included on the boring logs in Appendix 1.

Monitoring Well Installation and Development

When a sufficient volume of ground water available to run selective chemical analysis was found during soil-sampling drilling, a new monitoring well was installed within the significantly permeable zone. A total of four new monitoring wells were drilled for this study. Monitoring wells were constructed of 2-inch-I.D. polyvinyl chloride (PVC) Schedule 40 well casing and screens. The screens were flush threaded with a bottom plug. Slot size was 0.010 inch. Both 5-foot and 10-foot screen lengths were used, as determined by the borehole lithology. The screen was packed with a clean silica sand to 3 feet above the top of the screen. The final depth of the filter pack was sounded with a weighted metal tape. At least 2.5 feet of bentonite pellets was placed on top of the filter pack. The annulus was grouted with a cement/bentonite grout to the frost line. The grout mix consisted of one 94-pound sack of Portland cement, 3 pounds of bentonite, and 6.5 gallons of potable water. Above-ground and below-ground monitoring (flush-mount) well completions were used. A 5-foot protective casing with a hinged lockable lid was used for above-ground completions, whereas a 10-inch flush-mount casing with a locking top was used for below-ground completions. A sloping concrete pad was constructed around each well to prevent surface-water intrusion. As-built well-construction diagrams showing the placement of the well screen, sand pack, bentonite seal, and grouting are compiled in Appendix 2. Construction details of existing wells are not presented in this report; for additional information, see U.S. Air Force Aeronautical Systems Center (1994).

All monitoring wells were developed by use of a precleaned disposable bailer and (or) a low-flow submersible pump. A minimum of 24 hours was allowed between well installation and well development. When the well was purged dry, the well was sampled upon recovery and within 24 hours. Specific conductance, pH, temperature, and turbidity were monitored during the development. Development continued until three consecutive readings of pH, specific conductance,

Table 1. Location, area, and site identification of boring, ground-water, and surface-water sites, Air Force Plant 85, Columbus Ohio

Location	Area ¹	Site identification of soil boring ²	Site identification of ground-water site	Site identification of surface-water site
Magnesium-Chip Burning Area	1	USB15		
	1	USB16	USW16	
	1	USB17		
Coal Pile Area	2	USB11		
	2	USB12		
	2	USB13	USW13	
Rubble-Disposal Area	1	USB180A		
	1	USB180B		
	1	USB180C		
Fuel Tank Area east of Bldg. 3	3	USB05		
	3	USB06		
North boundary near 1st Street	4	USB09		
North-central boundary area	4	USB01		
Wash Rack Area	4	USB10		
Stationary Radar Site	5	USB21		
North of Bldg. 3	3	USB07		
	3	USB08		
North of Bldg. 10	2	USB02	USW02	
South of Bldg. 124	6	USB20		
South of Bldg. 125	6	USB04		
Parking Lot near Bldg. 3	7	USB14		
North of Bldg. 40	6	USB03		
Leach Field area	5	USB19	USW19	

Table 1. Location, area, and site identification of boring, ground-water, and surface-water sites, Air Force Plant 85, Columbus Ohio—Continued

Location	Area ¹	Site identification of soil boring ²	Site identification of ground-water site	Site identification of surface-water site
Northwest Perimeter Road	4		9MW1 ³	
Northeast Perimeter Road	5		9MW3 ³	
Near Mason's Run	5		PG501 ³	
Southwest Bldg 4 parking lot	6		9MW7 ³	
Near collection pit near Coal Pile	2		PG201 ³	
Fuel Tank Area east of Bldg. 3	3		BLD3 ³	
Turkey Run at airport fence				TR01
Turkey Run at bottling fence line				TR02
Mason's Run at airport fence				MR01
Mason's Run near well PG501				MR02
Mason's Run below weir				MR03
Mason's Run north of 5th Ave.				MR04
Mason's Run south of 5th Ave				MR05

¹ Sampling area corresponding to figures 1-9; see figures 10 and 11 for information on surface-water sites.

² USGS soil borings, USB; if converted to a ground-water monitoring well, USW.

³ Existing wells; see U.S. Air Force Aeronautical Systems Center Environmental Restoration Program, 1994, Management Action Plan, for additional information.

temperature, and turbidity stabilized. Field-measured characteristics were considered stable when pH's were within ± 0.1 unit, specific conductances were within ± 10 $\mu\text{S}/\text{cm}$, and temperatures were within $\pm 0.5^\circ\text{C}$. Development time, volume of water produced, and field measurements were recorded in the field logbook. All water produced during development, and later during decontamination activities, was contained at the field site. All equipment was thoroughly cleaned and decontaminated between locations to prevent cross-contamination, as outlined in the Surface-Water and Ground-Water Monitoring Plan (Parnell, 1996).

Ground-Water Sampling

Ground-water sampling locations were selected to determine the levels of anthropogenic and nonanthropogenic chemical compounds in the vicinity of the selected Plant areas. A total of 10 monitoring wells were selected for this study. Six existing wells were inventoried and selected for sampling, and the four newly constructed monitoring wells also were selected.

Prior to purging and sampling, depth to water was measured to the nearest 0.01 foot. The volume of standing water in the well and in the sand pack below the grout seal were then calculated as one purge volume. Three purge volumes were removed in each well to replace the stagnant water with fresh water from the water-bearing formation. All monitoring wells were purged by use of a precleaned disposable bailer and (or) a low-flow submersible pump. If the well was purged dry, the well was sampled upon recovery and within 24 hours. A minimum of 10 well volumes of water, if possible, was removed from each well before sampling where turbidity was persistent (Ohio Environmental Protection Agency, 1995). The water samples were collected by filling the pre-preserved sample container either directly from the precleaned or dedicated bailer and (or) from a low-flow-rate discharge tube from the submersible pump. After collection, the samples were chilled and shipped by overnight courier to the contract laboratory (Quanterra Environmental Services, Denver, Colo.) for analysis. Analyses for ground-water samples are listed in table 2. Analytical procedures and standard operating procedures are outlined in the Surface-Water and Ground-Water Monitoring Plan (Parnell, 1996).

Table 2. Analyte group, analytical method, and sample matrix.

Analyte group ¹	Analytical method ²	Sample matrix ³
Volatile organic compounds by GC/MS	SW8260/8240	S-GW-SW-BM
Semivolatile organic compounds by GC/MS	SW8270	S-GW-SW-BM
Pesticides and PCB's	SW8080	S-GW-SW-BM
Metals	SW6010	S-GW-SW-BM
Common anions	E300.0	GW-SW
Cyanide	SW9012	SW-GW

¹ GC/MS, gas chromatography/mass spectrometry; PCB's, polychlorinated biphenyls.

² Analytical methods SW and E are found in U.S. Environmental Protection Agency (1986) test methods for evaluating solid waste, physical/chemical methods SW-846.

³ S, soil samples; GW, ground-water samples, SW, surface-water samples; BM, streambed-sediment samples.

Surface-Water and Streambed-Sediment Sampling

Surface-water and streambed-sediment sampling locations were chosen to monitor flow onto and off of the Plant. The seven sampling sites are shown in figures 10 and 11 (at back of report). Mason's Run (fig. 10) is channeled with a concrete culvert through most of its extent within the Plant boundaries. It drains from the Port Columbus Airport, flows underground southward through the facility, and reemerges and exits the Plant entrance under Fifth Avenue. Turkey Run (fig. 11) is an intermittent stream that crosses the westernmost segment of the Plant after passing through Port Columbus Airport. Approximately 375 feet of Turkey Run traverses the Plant property. An extensive onsite stormwater drainage system has been constructed throughout the plant property and drains into Mason's Run in the central part of the Plant, whereas some stormwater from the western part of the Plant drains into Turkey Run.

Surface-water and streambed-sediment samples were collected from the same sampling location, the surface-water sample being done first to minimize the collection of unnaturally suspended streambed sediments. Surface-water samples were collected as a grab sample from one point in the stream and put directly into the pre-preserved containers. Streambed-sediment samples were collected using a stainless steel scoop, transferred to a stainless steel bowl, and composited

using the scoop. Sample jars were filled with the composited material from the bowl. Samples for VOC analysis were not composited but were grabbed directly from the streambed. Field measurements of specific conductance, pH, temperature, and alkalinity were made directly from the surface-water body and are on file at the USGS office in Columbus, Ohio.

After collection, the surface-water and streambed-sediment samples were chilled and shipped by overnight courier to a contract laboratory for analysis. Analyses for surface-water and streambed-sediment samples are listed in table 2.

Quality-Assurance and Quality-Control Measures

Many measures were implemented by the USGS during data collection to ensure that the appropriate levels of quality assurance and quality control (QA/QC) were achieved. These measures served to ensure quality, precision, accuracy, completeness, and representativeness of the data generated during the study. The QA/QC measures were followed in accordance with the Surface-Water and Ground-Water Monitoring Plan (Parnell, 1996). For all sampling types during the study, 100 percent of the analytical data generated by the laboratory were validated to determine completeness of the data-package deliverables and achievement of the specific data objectives. An independent environmental firm was contracted by the USGS to perform the data validation; a summary of the data-validation process is presented in the Technical Memorandum for the Surface-Water and Ground-Water Monitoring Plan (Parnell, 1997). The results of samples analyses for soil, ground-water, surface-water, streambed sediment, and QA/QC samples are presented in Appendix 3.

GEOLOGY AND HYDROLOGY

The Plant lies within the Till Plains section of the Central Lowland Physiographic Province (Fenneman, 1938). Till Plains were formed through glaciation and burial of preglacial topography. Soils belonging to the Bennington-Pewamo Association are present at AFP 85 (U.S. Department of Agriculture, 1977). The soils range from a yellowish-brown silty loam to a gray clay loam and are generally wet to ponded, easily eroded, and poorly permeable.

Glacial till interbedded with glacial outwash is the predominant surficial material at AFP 85 (fig. 12, at back of report). The glacial outwash is composed of fine, well-sorted sand and gravel-sized material, whereas the glacial till is unstratified, poorly sorted material composed of a mixture of clay, sand, gravel, and various sizes of boulders (Battelle Denver Operations, 1989). Glacial tills and outwash deposits were cut by more recent outwash channels, resulting in complex interbedding and lateral and vertical facies changes within relatively short distances. This glacial interfingering outwash and till results in laterally and horizontally discontinuous water-bearing zones beneath the Plant but does not form a continuous aquifer (Battelle Denver Operations, 1989). Geologic logs of the boreholes indicate that the glacial till ranges in thickness from 10 to 85 feet and that average thickness is about 25 feet across the Plant. It has been reported that a major tributary to the main buried channel of a preglacial river flowed beneath what is now the southern boundary of AFP 85 (Battelle Denver Operations, 1989). Drill logs (USB04 and USB20) in this area, however, indicate that the lithology is clay with some gravel and cobbles to the top of the shale bedrock, not indicative of a buried channel. The preglacial river noted in the same report was reported to cut a channel approximately 200 feet below land surface. Logs of the new borings in this area (USB04 and USB15), however, indicate that the depth to the shale bedrock was 83 feet and 95 feet, respectively.

Three major aquifer systems are present in Franklin County: Devonian limestone aquifers, Mississippian sandstone aquifers, and glacial aquifers. Thin, discontinuous, glacial water-bearing units underlie AFP 85, as described above. Well yields in the glacial system are as much as 2 gallons per minute from the two water-bearing zones underlying the Plant (U.S. Air Force Aeronautical Systems Center, 1994).

Isolated water-bearing zones also lie within till as a discontinuous basal deposit of coarse sand and gravel just above the shale bedrock. This discontinuous unit is of varied thickness, according to information in drilling logs. Beneath the glacial till at AFP 85 lies the Ohio Shale, which is generally considered to be a poorly permeable unit. This black to dark-brown, sandy, fissile shale has a high organic content.

The gross lithologies recorded for previous wells and borings at the Plant are similar to those found in the new borings, but proportions of clays, sands, and gravels differ greatly from area to area. Figure 13 (at back

of report) shows a cross section of monitoring wells across the Plant and its variability in geology. The variability in lithologies and the discontinuity between sand and gravel lenses makes mapping of any specific unit extremely difficult. Because of this heterogeneity of the unconsolidated deposits, no attempt was made to interpolate the stratigraphy between the wells and borings.

Infiltration from creeks and streams may recharge the water-bearing units; however, much of the surface water is collected and diverted by tile drainage into concrete channels in and around the Plant.

SOIL DATA

Two soil samples were collected at selected intervals during drilling and one sample was taken at each of the three hand-auger borings. Forty-nine regular/environmental soil samples and nine QA/QC samples were collected and analyzed.

Volatile Organic Compounds

The only unqualified VOC detection was 1,1,1-trichloroethane at USB12 (0.0099 mg/kg), whereas detections in 13 other samples were qualified. Acetone and methylene chloride were found in method blanks and not considered. The qualified VOC data are listed in the following table. ("Unqualified" data are those that require no qualifier after data validation, whereas "qualified" data are subject to qualification after validation.) A list of validated VOC's found in the soil is given in Appendix 3.

Location	Analyte	Concentration (mg/kg)	Sample depth (ft)	Data qualifier
USB02	Tetrachloroethene	0.0056	30	J ¹
USB02	Toluene	0.0069	30	J
USB03	2-Butanone	0.047	4	J
USB05	Benzene	0.097	12	J
USB05	Vinyl chloride	0.014	12	J
USB05	Benzene	0.0091	12	J
USB05	Ethylbenzene	0.0051	12	J
USB05	Xylenes	0.015	12	J
USB06	Benzene	0.0088	9	J
USB07	Carbon disulfide	0.0055	4	J
USB08	2-Butanone	0.078	4	J
USB09	2-Butanone	0.037	2	J

Location	Analyte	Concentration (mg/kg)	Sample depth (ft)	Data qualifier
USB1302	Toluene	0.041	2	J
USB1302	Xylene	0.0054	2	J
USB15	2-Butanone	0.022	19	J
USB15	Toluene	0.010	19	J
USB18A	2-Butanone	0.065	2	J
USB18B	Toluene	0.0089	2	J
USB18C	Toluene	0.0088	2	J
USB19	Toluene	0.0090	27	J

¹J, estimated value.

Semivolatile Organic Compounds

Unqualified semivolatile organic compounds (SVOC's) were detected in soil samples from five borings, and one qualified detection of sample of bis(2-ethylhexyl)phthalate, at 0.35 mg/kg was found at USB 19; results are given in the following table. A list of validated SVOC's found in the soil is given in Appendix 3.

Location	Analyte	Concentration (mg/kg)	Sample Depth (ft)
USB01	Phenanthrene	0.40	6
USB01	Fluoranthene	0.79	6
USB01	Pyrene	0.78	6
USB01	Chrysene	0.37	6
USB01	Benzo(k)fluoranthene	0.41	6
USB05	2-Methylnaphthalene	0.61	12
USB07	2-Methylnaphthalene	0.42	6.5
USB07	Phenanthrene	0.40	6.5
USB07	Pyrene	0.47	6.5
USB07	Fluoranthene	0.46	6.5
USB08	Napthalene	0.99	4
USB08	2-Methylnaphthalene	1.4	4
USB21	Fluoranthene	0.61	3
USB21	Phenanthrene	0.46	3
USB21	Pyrene	0.57	3

Pesticides and Polychlorinated Biphenyls

Unqualified pesticides and polychlorinated biphenyls (PCB's) were detected in soil samples from nine borings; results are given in the following table. A list of validated pesticides and PCB's found in the soil is given in Appendix 3.

Location	Analyte	Concentration (mg/kg)	Sample Depth (ft)
USB01	Arochlor 1248	0.040	6
USB01	Endrin ketone	0.0091	6
USB03	delta BHC	0.0058	4
USB04	Heptachlor epoxide	0.057	35
USB05	Heptachlor epoxide	0.030	12
USB07	delta BHC	0.0029	6.5
USB07	Heptachlor epoxide	0.063	6.5
USB08	Heptachlor epoxide	0.037	9
USB10	delta BHC	0.0023	14
USB11	Arochlor 1248	0.056	2
USB11	delta BHC	0.0077	2
USB12	delta BHC	0.012	5
USB12	delta BHC	0.051	9

Selected Metals and Trace Elements

Soils contaminated by metals and trace elements are common at many industrial sites in Ohio. The presence of trace elements, however, does not necessarily indicate contamination because all soils contain at least some trace concentrations. Contamination by metals and trace elements are commonly determined by comparing background concentrations from nearby locations to site-specific locations. Background metals concentrations for soils in Ohio were compiled by Cox-Colvin & Associates (1995); arsenic, barium, chromium, lead, and mercury are listed as common industrial background metals in Franklin County. These metals were also common to AFP 85.

Of the 23 analytes, 11 were detected in all soil sampled: aluminium, barium, calcium, cobalt, chromium, copper, iron, magnesium, manganese, vanadium, and zinc. Other metals — beryllium, potassium, molybdenum, nickel, and lead — were found in more than 70 percent of the samples. Silver, sodium, thallium, antimony, and selenium were below the detection limit in all soil samples. A list of validated selected metals and trace elements found in soil are given in Appendix 3.

GROUND-WATER QUALITY

Ground water was sampled from six existing and four recently installed monitoring wells. Ten regular

ground-water samples and nine QA/QC samples were collected. Ground water is not a source of potable drinking water for the Plant.

Volatile Organic Compounds

Only one VOC was detected in all water from the 10 wells sampled: benzene, at 1.9 mg/L in USW02.

Semivolatile Organic Compounds

Only one SVOC was detected in all ground-water samples from the 10 well: bis(2-ethyl-hexyl)phthalate, at 31mg/L in PG-201.

Pesticides and Polychlorinated Biphenyls

Only two unqualified pesticides were detected in all ground-water samples: delta BHC, at 0.088 mg/L in PG201, and heptachlor epoxide, at 0.070 mg/L in USW02. All PCB concentrations were below the detection limit.

Selected Metals and Trace Elements

Of the 23 analytes, 3 were detected in all wells sampled— calcium, magnesium, and manganese. Beryllium, silver, cobalt, copper, nickel, antimony, selenium, vanadium, and thallium concentrations were below the detection limit. Cadmium (0.0083 mg/L) at PG201 and chromium (1.4 mg/L) at USW16 exceeded the Maximum Contaminant Levels of 0.0050 mg/L and 0.100 mg/L, respectively. A list of validated selected metals and trace elements in ground water is given in Appendix 3.

Common Anions and Cyanide

Chloride and sulfate were found in every ground-water sample. Cyanide was selectively sampled for at BLD3, PG-201, USW02, USW16, and USW19. A list of validated common anions and cyanide in ground water is given in Appendix 3.

SURFACE-WATER QUALITY

Seven regular surface-water samples and three QA/QC samples were collected and analyzed.

Volatile Organic Compounds

Unqualified VOC's were detected in surface-water samples from three sites; concentrations are listed in the following table. A list of validated VOC's found in surface water is given in Appendix 3.

Location	Analyte	Concentration (µg/L)
MR04	Chloroform	1.5
MR05	Chloroform	1.6
TR02	1,2-Dichloroethene	1.4
TR02	Trichloroethene	1.2

Semivolatile Organic Compounds

Concentrations of SVOC's were below the detection limits in all surface-water samples.

Pesticides and Polychlorinated Biphenyls

Pesticides and PCB's were below the detection limits in all surface-water samples.

Selected Metals and Trace Elements

Of the 23 analytes, 6 were detected in all surface water samples — barium, calcium, iron, magnesium, manganese, and sodium. Silver, arsenic, beryllium, cadmium, cobalt, chromium, copper, potassium, molybdenum, nickel, lead, vanadium, thallium, antimony, and selenium were not detected in any sample. A list of validated selected metals and trace elements in surface water is given in Appendix 3.

Common Anions and Cyanide

Chloride, nitrate, and sulfate were found in the surface-water samples. Cyanide concentrations determined for sites MR1, MR 5, and TR 2 were below the detection limits in all water. A validated list of common ions in surface water is given in Appendix 3.

STREAMBED-SEDIMENT DATA

Seven regular streambed-sediments samples and five QA/QC samples were collected and analyzed.

Volatile Organic Compounds

Only two qualified VOC's, flagged as estimated (J), were detected in streambed-sediment samples: concentrations are listed in the following table. No unqualified VOC's were found. (Acetone was flagged because of calibration failure and not is reported here.) A list of validated VOC's found in streambed-sediment samples is presented in Appendix 3.

Location	Analyte	Concentration (mg/kg)	Data qualifier
MR03	1,2-Dichloroethene	0.0056	J
MR04	Toluene	0.15	J

Semivolatile Organic Compounds

No qualified SVOC's were found. Sixteen unqualified SVOC's were detected at all seven sites. A list of validated SVOC's found in streambed-sediment samples is given in Appendix 3.

Pesticides and Polychlorinated Biphenyls

Unqualified pesticides were detected in streambed-sediment samples; results are given in the following table. A list of validated pesticides and PCB's found in the streambed sediment samples is given in Appendix 3.

Location	Analyte	Concentration (mg/kg)
MR04	Endrin ketone	1.0
TR02	Aldrin	0.0057
TR02	Endrin ketone	0.0039

Selected Metals and Trace Elements

Of the 23 metals included in the analyte list, 16 were detected in all streambed sediments sampled — aluminium, barium, beryllium, calcium, cadmium, cobalt, chromium, copper, iron, magnesium, manganese, molybdenum, nickel, lead, vanadium, and zinc.

Silver, thallium, antimony, sodium, and selenium concentrations were below the detection limits. A list of selected metals and trace elements in streambed sediments is given in Appendix 3.

CONCLUSIONS

The Surface-Water and Ground-Water Monitoring Plan for AFP 85 was designed to characterize any ground-water, surface-water, and soil contamination that may exist at AFP 85. The investigation activities done by the USGS included the collection of data during drilling and during sampling of ground water, surface water, and streambed sediments.

This report presents data on the selected inorganic and organic constituents in soil, ground water, surface water, and streambed sediments at AFP 85. The methods of data collection and analysis are also included. The analytical results of the soil, ground water, surface water, and streambed sediments could aid Aeronautical Systems Center, Environmental Management Directorate, Restoration Division, and its governing regulatory agencies in determining the potential pathways for contaminant migration into the underlying water-bearing zones or nearby surface waters and will provide background information for future remediation studies.

The unconsolidated glacial till deposits at the Plant consist of poorly sorted outwash; very fine to coarse sand and gravel is intermingled with poorly permeable clay and cobbled till. Because of this heterogeneity of the unconsolidated deposits, no attempt was made to interpolate the stratigraphy between the wells and borings.

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APPENDIXES

APPENDIX 1. LOGS OF BORINGS AT AIR FORCE PLANT 85, COLUMBUS, OHIO, 1996

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PTD (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								CLAY, with fine to medium GRAVEL, some fine SAND, brown, dry
5								CLAY, with fine GRAVEL, some COBBLES, some SAND, brown, dry
			<1	3				CLAY, with fine GRAVEL, discolored streaks black-orange
10			<1	1				CLAY, with fine to medium GRAVEL, some large GRAVEL, damp
			<1	<1				CLAY, with fine to medium GRAVEL, some large GRAVEL and COBBLES, piece of orange tile
15			22	50				fine GRAVEL with some CLAY and SAND, greyish, saturated, noticeable hydrocarbon odor
								CLAY with some GRAVEL
20								Bottom of Borehole @ 17.4ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/16/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/16/96 Northing: 725998.23
 Drilling Method: Hollow Stem Auger Borehole TD: 17.4 Easting: 1889324.36
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 804
 Borehole Diam: 8.5 inch Orig Borehole #: USB-01 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85


















Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0			<1	<1				CLAY, with fine Gravel, brown, dry
5			<1	<1				CLAY, with fine to coarse Gravel, some cobbles, some sand, dry
			<1	<1				SAND, with Silt, brown, damp
10			<1	<1				Silt, with Clay, some fine Gravel, brown
			<1	<1				CLAY, silty, with fine to medium Gravel, some coarse Gravel/Cobble brown, dry
			<1	<1				CLAY, as above but damp and grayish brown
15			<1	<1				SILT, clayey with fine to medium Gravel, damp
			<1	<1				SILT, as above but medium to coarse Gravel
20			<1	<1				SILT, clayey with fine to medium Gravel, damp
25			<1	<1				SILT, as above but dry
30			<1	<1				SILT, as above but wet
								SAND, coarse to medium with Silt, gray, wet
								SAND, coarse with Silt, some Gravel, gray, wet
35								SHALE, thinly bedded, dark gray
								Bottom of Borehole @ 35 ft
40								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/16/96 USGS Well Name: USW-02
 Driller: Bill Gilman End Drilling: 11/17/96 Northing: 725067.47
 Drilling Method: Hollow Stem Auger Borehole TD: 35 Easting: 1890680.09
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 806
 Borehole Diam: 8.5 inch Orig Borehole #: USB-02 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? Yes Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Asphalt and fill material
4			4					CLAY, with some coarse SAND, hard, gray to dark green with yellow-brown stringers, damp to moist
5			18					CLAY, some SILT, hard, dark gray with yellow-brown stringers
			29					CLAY, some SILT, hard, olive green to brown, some reddish brown
			>250					CLAY, with SILT and some stringers of gray friable, brown, moist SILT.
10								CLAY and SAND with some GRAVEL, angular to subrounded, dark brown
15			95					friable CLAY with SAND, some angular Gravel and Cobbles, dark gray to brown, moist-dry
			5					
			1					
20								SAND, with SILT, some COBBLES and angular GRAVEL, dark gray, saturated
25			2					SAND, with SILT and COBBLES, some angular GRAVEL, dark gray, saturated
30								GRAVEL with SAND, some COBBLES dark gray, saturated
35								CLAY, hard, dark gray
								SHALE, thinly bedded, dark gray
								Bottom of Borehole @ 35.7ft
40								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/17/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/18/96 Northing: 725112.12
 Drilling Method: Hollow Stem Auger Borehole TD: 35.7 Easting: 1890416.42
 Drilling Fluid: City of Columbus Water Logged By: G. Nailey/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-03 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85




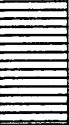
Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete and fill material
5			<1					CLAY, with some COBBLES and GRAVEL, well rounded, some fine SAND, hard, brown with dark gray stringers, moist
10			<1					CLAY, with coarse SAND, some GRAVEL/SILT, hard, dark gray, moist
15			<1					CLAY, with SILT, some GRAVEL/COBBLES, stringers of SAND dark gray, dry
20			<1					
25								
30								
35			<1					
40			<1					GRAVEL with SAND,
45								CLAY, with SILT, some GRAVEL/COBBLES, stringers of SAND dark gray, dry
50								
55								
60								
65								
70								
75								
80								GRAVEL, possibly weathered SHALE
85								SHALE
90								Bottom of Borehole @ 83ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/19/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/20/96 Northing: 724347.53
 Drilling Method: Hollow Stem Auger Borehole TD: 83 Easting: 1886877.68
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 800
 Borehole Diam: 8.5 inch Orig Borehole #: USB-04 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete and fill material
			2.5					GRAVEL with CLAY, some shale fragments at bottom of interval, dark gray, wet
5								
10			8.5					
								
15								SHALE, dark gray
								Bottom of Borehole @ 15.7ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/21/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/21/96 Northing: 724918.66
 Drilling Method: Hollow Stem Auger Borehole TD: 15.7 Easting: 1892346.72
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 808
 Borehole Diam: 8.5 inch Orig Borehole #: USB-05 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85


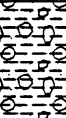
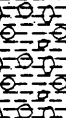
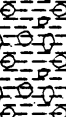
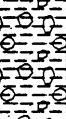
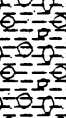
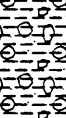
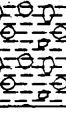
Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete, asphalt and fill material (gravel/concrete chips), wet
5			38					CLAY with SAND, some GRAVEL, hard, brown, wet
10								CLAY with SILT, some GRAVEL, dark gray, dry
								SHALE, wet
15								Bottom of Borehole @ 13.2ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/21/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/21/96 Northing: 724923.94
 Drilling Method: Hollow Stem Auger Borehole TD: 13.2 Easting: 1892295.37
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 808
 Borehole Diam: 8.5 inch Orig Borehole #: USB-06 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete
								CLAY with SAND, some GRAVEL, brown, wet
								CLAY with SAND, some GRAVEL, gray, wet
		17.5						CLAY with COBBLE, GRAVEL and SAND, brown
5		250						CLAY with SAND, some small GRAVEL, dark gray
								
								
								
10								Bottom of Borehole @ 13.2ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/21/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/21/96 Northing: 725032.08
 Drilling Method: Hollow Stem Auger Borehole TD: 8 Easting: 1892088.00
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 807
 Borehole Diam: 8.5 inch Orig Borehole #: USB-07 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete, asphalt and fill material (gravel/concrete chips), wet
								CLAY with GRAVEL, some SAND, hard, brown to dark gray, moist
5			14.1					CLAY with SAND, some GRAVEL, some SHALE fragments, hard dark gray to gray-brown
			<1					
10								SHALE, weathered
15								Bottom of Borehole @ 13ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/21/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/21/96 Northing: 725066.46
 Drilling Method: Hollow Stem Auger Borehole TD: 13 Easting: 1892092.82
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 807
 Borehole Diam: 8.5 inch Orig Borehole #: USB-08 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete, asphalt and fill material (clay and cobbles)
			1.8					CLAY with SILT, gray to black
5			3.1					CLAY with SILT and SAND, some GRAVEL & COBBLE, mottled brown-gray, dry
			3.2					
10			5.9					
			1					coarse SAND with SILT, medium dark gray, wet
15								CLAY with SILT, some lenses of Cobble, Gravel, and Sand, hard, dark gray, dry
20			23					
25			<1					
			<1					
30								
35								SHALE
								Bottom of Borehole @ 36ft
40								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/22/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/22/96 Northing: 726041.22
 Drilling Method: Hollow Stem Auger Borehole TD: 36 Easting: 1890840.75
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 806
 Borehole Diam: 8.5 inch Orig Borehole #: USB-09 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Concrete and fill
			<1		●			CLAY with SILT, black, moist
4.8								CLAY with SILT, some SAND & COBBLES, mottled brown with iron stain, dry
5			<1					
			<1					
10								
			18.2					
15					●			CLAY with COBBLES, dark gray
								Bottom of Borehole @ 17.8
20								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/23/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/23/96 Northing: 725448.21
 Drilling Method: Hollow Stem Auger Borehole TD: 17.8 Easting: 1890150.12
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-10 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85









Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Coal, CLAY, fill
			20					CLAY with SAND, some GRAVEL, mottled greenish gray, moist to wet
			31					CLAY with SILT, dark gray to black, moist
5			31					CLAY with SILT, some COBBLES & SAND, mottled yellow brown to grey, slight green cast at top of interval, saturated at 7.5ft
			20					
10			20					CLAY, hard, dark gray, dry
								Bottom of Borehole @ 12.5
15								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/23/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/23/96 Northing: 724772.63
 Drilling Method: Hollow Stem Auger Borehole TD: 12.5 Easting: 1890273.72
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-11 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								COAL, CLAY, fill
								coarse SAND, brown, saturated at 6 foot
5			1					
			<1					
10			2.7					
15								CLAY with SILT, soft, brown
								CLAY with SAND, yellow
								CLAY with COBBLE, hard, dark gray, dry
								Bottom of Borehole @ 15.9

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/24/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/24/96 Northing: 724511.05
 Drilling Method: Hollow Stem Auger Borehole TD: 15.9 Easting: 1890332.94
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-12 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								CLAY with COAL, yellow
			6.4					coarse SAND with SILT and some coarse GRAVEL, yellow, wet
5			<1					CLAY, some SILT & COAL, dark gray with some yellow mottle
10			1					
15								COBBLE with SILT & SAND, wet
								CLAY, some COBBLE, gray with some yellow mottle, dry
								Bottom of Borehole @ 17.4 ft
20								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/24/96 USGS Well Name: USW-13
 Driller: Bill Gilman End Drilling: 11/24/96 Northing: 724700.80
 Drilling Method: Hollow Stem Auger Borehole TD: 17.4 Easting: 1890296.33
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-13 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? Yes Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Fill, SOIL, GRAVEL & CLAY, black to dark gray
5								CLAY with SILT, some SAND, GRAVEL & COBBLES, hard mottled yellow brown to dark gray with depth, dry
10								
15								
20								CLAY with SAND, some GRAVEL & COBBLE, hard, dark gray, moist
25								Bottom of Borehole @ 22.5

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/25/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 11/25/96 Northing: 724224.06
 Drilling Method: Hollow Stem Auger Borehole TD: 22.9 Easting: 1890966.79
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 805
 Borehole Diam: 8.5 inch Orig Borehole #: USB-14 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0			<1				Fill	
5			<1				CLAY, hard, black	
8			8				CLAY, with SAND, hard, gray-brown, moist	
10			5		X		CLAY, same as above, with some shale fragments	
15			3				coarse SAND with some SHALE, CLAY, COBBLES, dark brown-gray	
20			5				SAND, with GRAVEL, some COBBLES, well sorted, well rounded, wet	
25			<1		X		CLAY, with SILT, some SAND & COBBLES, hard, dark gray, dry	
30								
35								
40								
45								
50								
55								
60								
65								
70								
75								
80							CLAY, with SAND, soft	
85								
90								
95							SHALE	
100							Bottom of Borehole @ 95ft	

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/3/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 12/3/96 Northing: 725370.29
 Drilling Method: Hollow Stem Auger Borehole TD: 95 Easting: 1886257.23
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 800
 Borehole Diam: 8.5 inch Orig Borehole #: USB-15 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								CLAY with GRAVEL, black
			<1					CLAY with SILT, hard, grey-brown, mottled
5			2					Drain tile
			<1					
10			<1					
15								
			<1					
20			<1					CLAY with coarse SAND, some GRAVEL, hard, dark gray
25								Bottom of Borehole @ 23.5 ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/04/96 USGS Well Name: USW-16
 Driller: Bill Gilman End Drilling: 12/04/96 Northing: 725350.85
 Drilling Method: Hollow Stem Auger Borehole TD: 23.5 Easting: 1886531.12
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 801
 Borehole Diam: 8.5 inch Orig Borehole #: USB-16 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? Yes Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Fill
			<1		●			CLAY with SILT, mottled dark grey to brown, moist
5			<1					
			<1					CLAY with SILT, some GRAVEL & SHALE fragments, mottled dark gray gray/brown to brown, iron stains
10			<1		●			CLAY with SAND, brown, wet
			<1					CLAY with SILT, some GRAVEL, some SAND, hard, medium gray, dry/moist
15			<1					
20								Bottom of Borehole @ 18.7ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/5/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 12/5/96 Northing: 725224.12
 Drilling Method: Hollow Stem Auger Borehole TD: 18.7 Easting: 1886360.87
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 801
 Borehole Diam: 8.5 inch Orig Borehole #: USB-17 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85



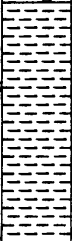
Columbus, Ohio

Depth (feet)	Blows (1/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								
1								Fill (clay sand, gravel, asphalt, cement), dry
2								
3								CLAY, some SILT, dark brown, moist
4								Bottom of Borehole @ 3.1ft

Drilling Co: _____ Begin Drilling: 12/5/96 USGS Well Name: _____
 Driller: _____ End Drilling: 12/5/96 Northing: 725157.81
 Drilling Method: Hand Auger Borehole TD: 3.1 Easting: 1886068.65
 Drilling Fluid: None Logged By: G. Nalley/J. Parnell Surface Elev: 800
 Borehole Diam: 3 inch Orig Borehole #: USB-180A Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Fill (clay sand, gravel, asphalt, cement), dry
1								
2								CLAY, some SILT, dark brown, moist
3								Bottom of Borehole @ 2.3ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/5/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 12/5/96 Northing: 725248.42
 Drilling Method: Hollow Stem Auger Borehole TD: 2.3 Easting: 1886131.37
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 800
 Borehole Diam: 8.5 inch Orig Borehole #: USB-180B Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PTD (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								
1								Fill (clay, sand, gravel, asphalt, cement), dry
2								CLAY, some SILT, dark brown, mottled, moist
3								Bottom of Borehole @ 2.5ft

Drilling Co: _____ Begin Drilling: 12/5/96 USGS Well Name: _____
 Driller: _____ End Drilling: 12/5/96 Northing: 725319.51
 Drilling Method: Hand Auger Borehole TD: 2.5 Easting: 1886074.09
 Drilling Fluid: None Logged By: S. Coen Surface Elev: 800
 Borehole Diam: 3 inch Orig Borehole #: USB-180C Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PTD (ppm)	FTD (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								TOP SOIL, brown
			101					CLAY, with SAND, yellow brown, moist CLAY with SILT, some SAND, hard, gray to black, moist
5			85					
			41					
10			21					CLAY with SAND & GRAVEL, some COBBLE & SHALE fragments, saturated
15			22					CLAY with SILT, some COBBLES & SHALE fragments, hard, friable, medium gray, dry
			23					
20								
25								
								coarse SAND with CLAY, some GRAVEL, dark gray, saturated
30								CLAY with SAND, some COBBLE & GRAVEL, dark gray, saturated
35								Bottom of Borehole @ 33.5 ft

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/5/96 USGS Well Name: USW-19
 Driller: Bill Gilman End Drilling: 12/5/96 Northing: 725582.18
 Drilling Method: Hollow Stem Auger Borehole TD: 33.5 Easting: 1887071.56
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 801
 Borehole Diam: 8.5 inch Orig Borehole #: USB-19 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? Yes Air Force Plant 85

AIR FORCE PLANT 85





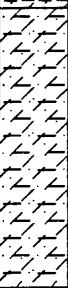

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PID (ppm)	FID (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								CLAY with SILT, mottled dark gray to brown, moist to saturated
6.5								
2.4								
14								
7.5								SAND, coarse with CLAY, GRAVEL, dark gray, saturated
6.3								
CLAY, hard, dark gray, dry								
2								
Bottom of Borehole @ 20.7ft								

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/6/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 12/6/96 Northing: 724719.55
 Drilling Method: Hollow Stem Auger Borehole TD: 20.7 Easting: 1887866.32
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 801
 Borehole Diam: 8.5 inch Orig Borehole #: USB-20 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Depth (feet)	Blows (/6 in.)	Recovery (feet)	PTD (ppm)	FTD (ppm)	Sample	Graphic Log	Soil Class	Description of Materials
0								Fill, CLAY with GRAVEL, some COBBLES, gray-brown, saturated
5			3.4					CLAY with SILT, some SAND & GRAVEL, gray-brown, dry to wet with depth
			3.5					
10			22.5					
			14.8					
15								SAND coarse with SILT, some GRAVEL & COBBLES, dark gray, saturated
			<1					
20								CLAY, some GRAVEL & COBBLES, hard, dark gray, dry
			<1					
25								Bottom of Borehole @ 22.7ft

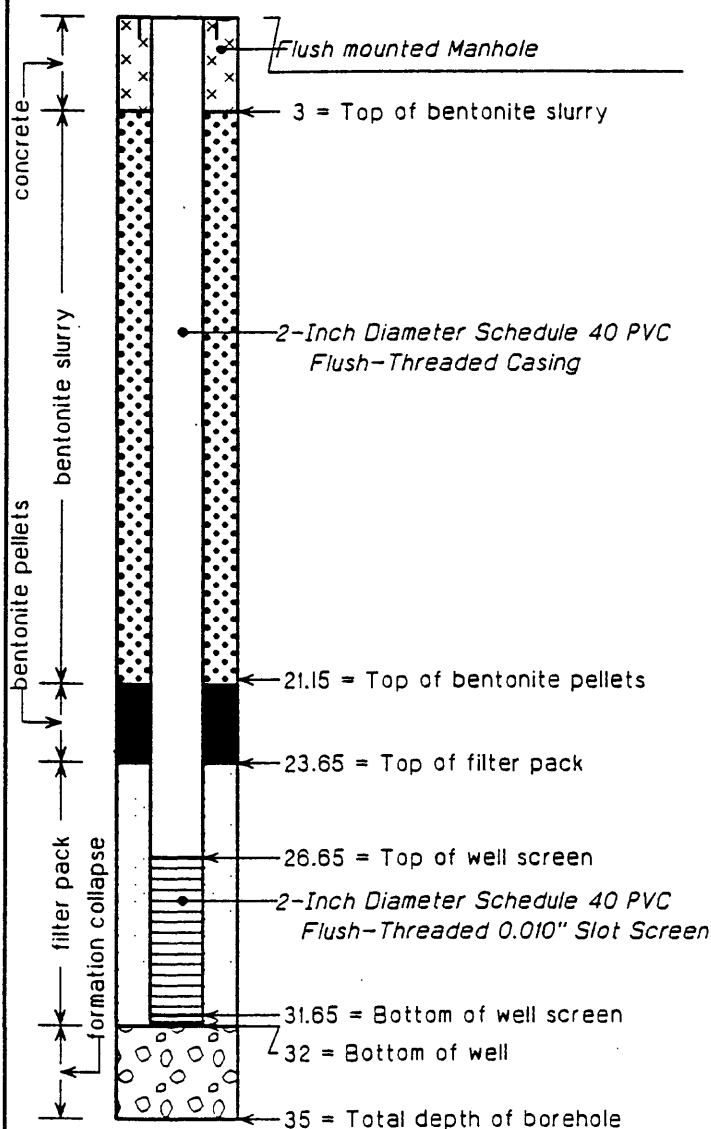
Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/7/96 USGS Well Name: _____
 Driller: Bill Gilman End Drilling: 12/7/96 Northing: 725591.58
 Drilling Method: Hollow Stem Auger Borehole TD: 22.7 Easting: 1887914.55
 Drilling Fluid: City of Columbus Water Logged By: G. Nalley/J. Parnell Surface Elev: 802
 Borehole Diam: 8.5 inch Orig Borehole #: USB-21 Datum: ft, NGVD
 Contractor: USGS - Ohio District Converted to Well? NO Air Force Plant 85

APPENDIX 2. CONSTRUCTION DIAGRAMS FOR OBSERVATION WELLS AT AIR FORCE PLANT 85, COLUMBUS, OHIO, 1996

AIR FORCE PLANT 85

Columbus, Ohio

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/16/96 Logged By: G. Nalley/J. Parnell
 Driller: Bill Gilman End Drilling: 11/17/96 Borehole Diam: 8.5 inch
 Drilling Method: Hollow Stem Auger Begin Well Install: 11/17/96 Northing: 725067.47
 Drilling Fluid: City of Columbus Water End Well Install: 11/17/96 Easting: 1890680.09



* Depths are feet below land surface

For Lithologic Descriptions See Log of Borehole: USB02Map ID #: USW02Filter Pack Type: #5 Quartz SandAmount Used: 8 bagsSeal Type: Bentonite PelletsHydration Time: 48 hoursEmplacement Method: PourGrout Comp/Prop: Cement/bentoniteEmplacement Method: PourCentralizer Depth (s): NoneProtective Casing Type: SteelDiameter: 8-inchDate Installed: 11/18/96Weep Hole?: noNumber of Guard Posts: None

OTW (bmp) upon completion: _____

Date: _____

Development Technique: BailBegin Development: 12/16/96End Development: 12/17/96Vol Fluid Removed: 26 gallons

Measuring Pt Elev: _____

Ground Surface Elev: 806Measuring Pt Desc: Top of PVCDatum: ft, NGVD

Surveyed By: _____

IRP Well #: _____

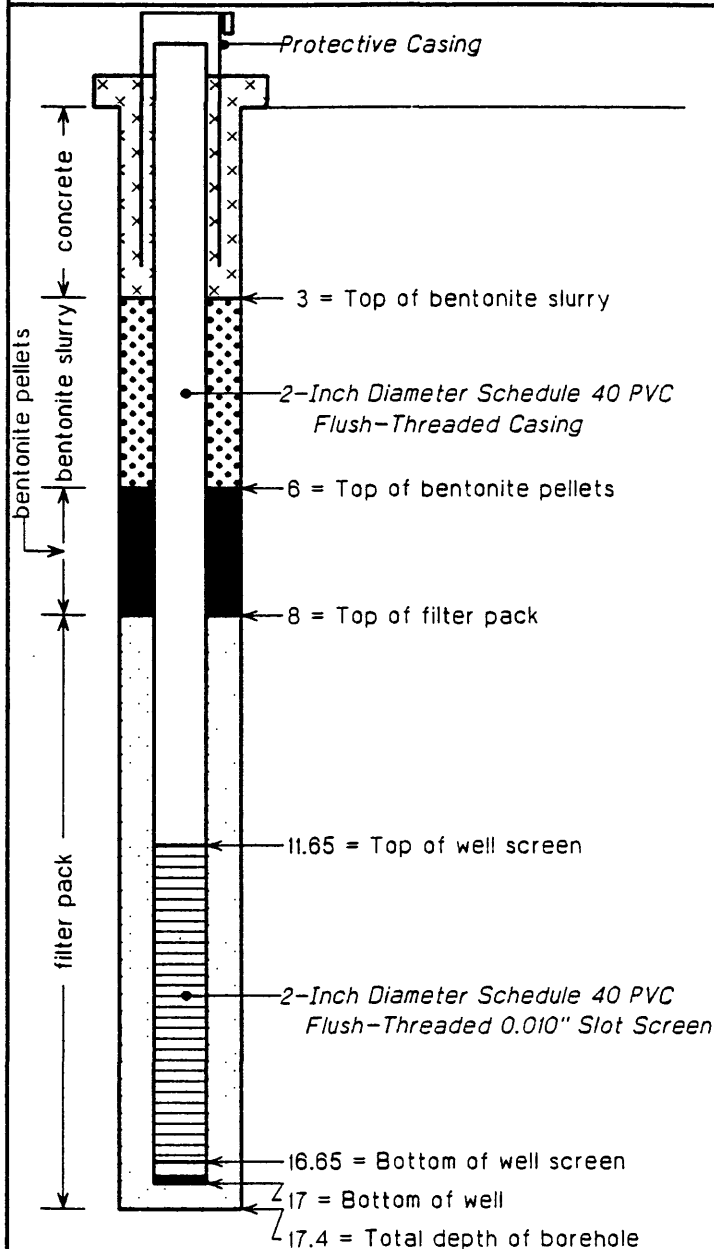
Contractor: USGS - Ohio District

Remarks: _____

AIR FORCE PLANT 85

Columbus, Ohio

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 11/24/96 Logged By: G. Nalley/J. Parnell
 Driller: Bill Gilman End Drilling: 11/24/96 Borehole Diam: 8.5 inch
 Drilling Method: Hollow Stem Auger Begin Well Install: 11/24/96 Northing: 724700.80
 Drilling Fluid: City of Columbus Water End Well Install: 11/24/96 Easting: 1890296.33



* Depths are feet below land surface

Map ID #: USW13Filter Pack Type: #5 Quartz SandAmount Used: 7 bagsSeal Type: Bentonite PelletsHydration Time: 48 hoursEmplacement Method: PourGrout Comp/Prop: Cement/bentoniteEmplacement Method: PourCentralizer Depth (s): NoneProtective Casing Type: SteelDiameter: 4-inchDate Installed: 11/24/96Weep Hole?: noNumber of Guard Posts: None

DTW (bmp) upon completion:

Date:

Development Technique: PumpBegin Development: 12/16/96End Development: 12/17/97Vol Fluid Removed: 35 gallons

Measuring Pt Elev:

Ground Surface Elev: 805Measuring Pt Desc: Top of PVCDatum: ft, NGVD

Surveyed By:

IRP Well #:

Contractor: USGS - Ohio District

Remarks:

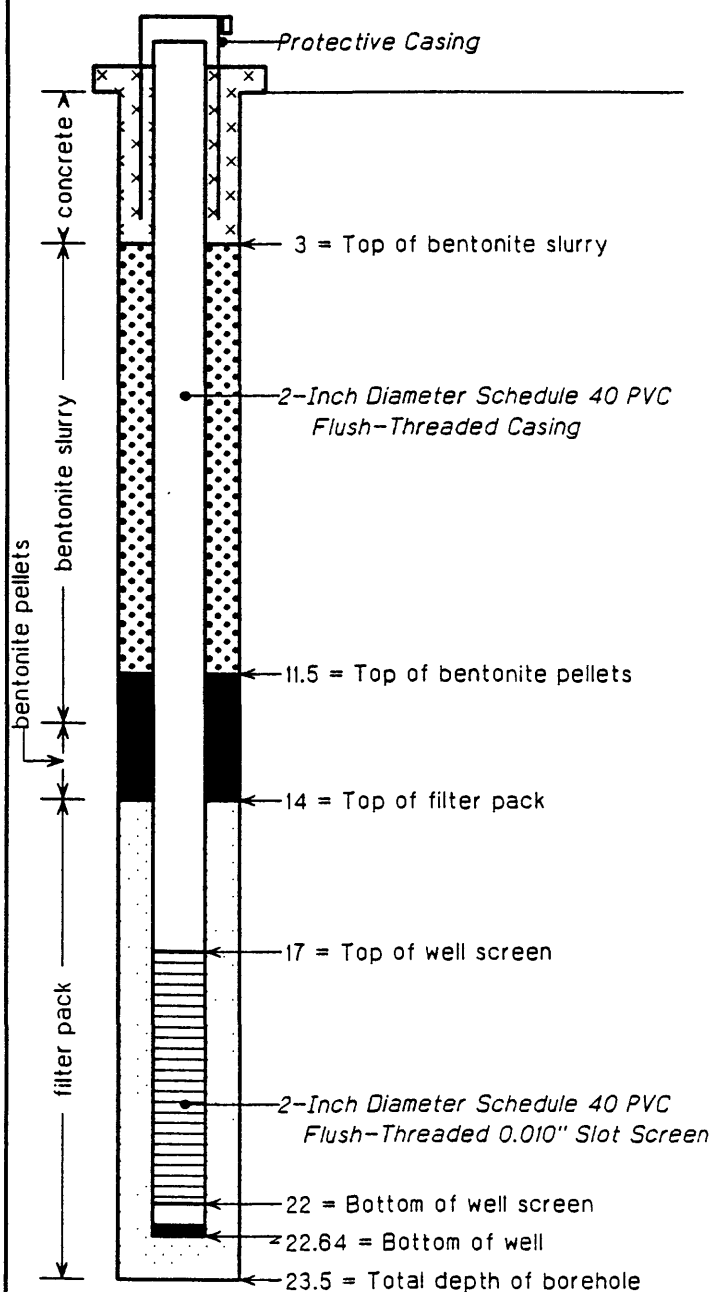
For Lithologic Descriptions See Log of Borehole: USB13

Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/04/96 Logged By: G. Nalley/J. Parnell
 Driller: Bill Gilman End Drilling: 12/04/96 Borehole Diam: 8.5 inch
 Drilling Method: Hollow Stem Auger Begin Well Install: 12/04/96 Northing: 725350.85
 Drilling Fluid: City of Columbus Water End Well Install: 12/04/96 Easting: 1886531.12



* Depths are feet below land surface

Map ID #: USW16
 Filter Pack Type: #5 Quartz Sand
 Amount Used: 6 bags
 Seal Type: Bentonite Pellets
 Hydration Time: 48 hours
 Emplacement Method: Pour
 Grout Comp/Prop: Cement bentonite
 Emplacement Method: Pour
 Centralizer Depth (s): None
 Protective Casing Type: Steel
 Diameter: 4-inch
 Date Installed: 12/04/96
 Weep Hole?: no
 Number of Guard Posts: None
 DTW (bmp) upon completion: _____
 Date: _____
 Development Technique: Pump
 Begin Development: 12/16/96
 End Development: 12/17/96
 Vol Fluid Removed: 60 gallons
 Measuring Pt Elev: _____
 Ground Surface Elev: 801
 Measuring Pt Desc: Top of PVC
 Datum: ft, NGVD
 Surveyed By: _____
 IRP Well #: _____
 Contractor: USGS - Ohio District
 Remarks: _____

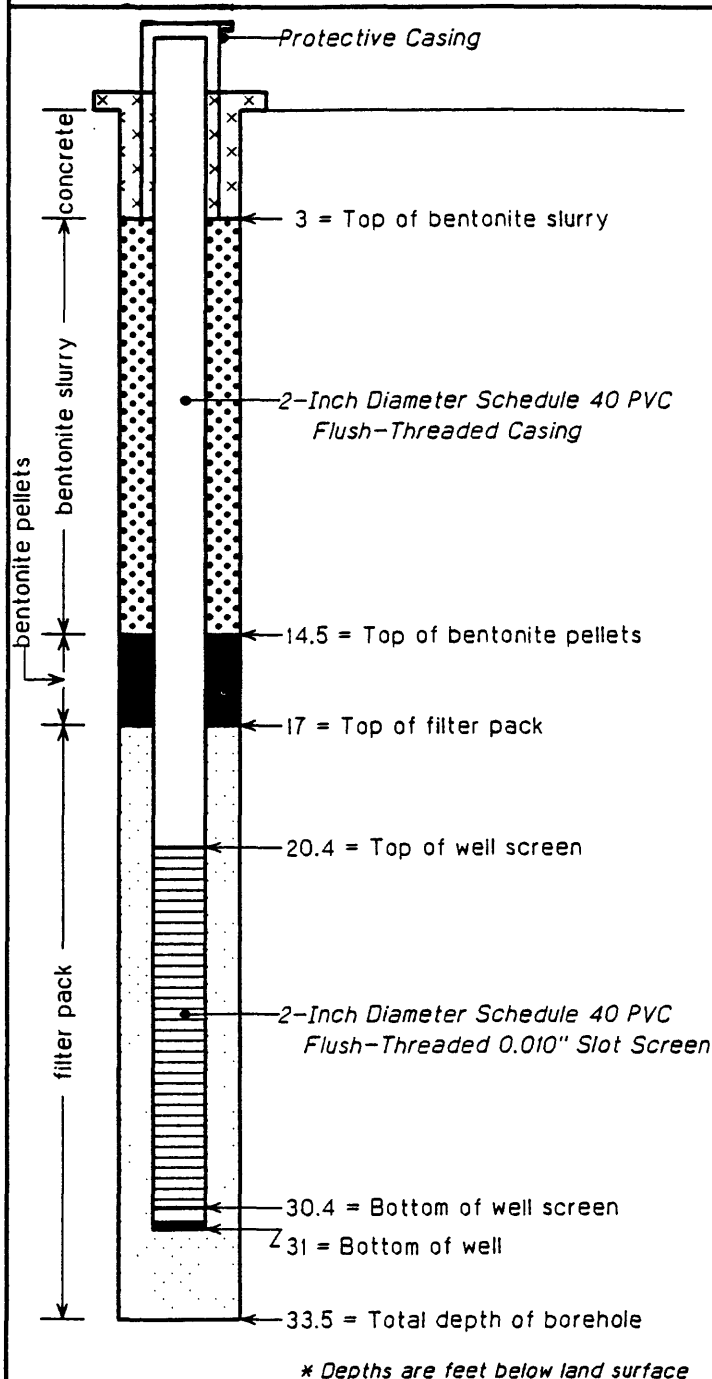
For Lithologic Descriptions See Log of Borehole: USB16

Air Force Plant 85

AIR FORCE PLANT 85

Columbus, Ohio

Drilling Co: U.S.G.S Rocky Mountain Begin Drilling: 12/5/96 Logged By: G. Nalley/J. Parnell
 Driller: Bill Gilman End Drilling: 12/5/96 Borehole Diam: 8.5 inch
 Drilling Method: Hollow Stem Auger Begin Well Install: 12/5/96 Northing: 725582.18
 Drilling Fluid: City of Columbus Water End Well Install: 12/5/96 Easting: 1887071.56



Map ID #: USW19
 Filter Pack Type: #5 Quartz Sand
 Amount Used: 8 bags
 Seal Type: Bentonite Pellets
 Hydration Time: 48 hours
 Emplacement Method: Pour
 Grout Comp/Prop: Cement/bentonite
 Emplacement Method: Pour
 Centralizer Depth (s): None
 Protective Casing Type: Steel
 Diameter: 4-inch
 Date Installed: 12/5/96
 Weep Hole?: no
 Number of Guard Posts: None
 DTW (bmp) upon completion: _____
 Date: _____
 Development Technique: Bail, Pump
 Begin Development: 12/16/96
 End Development: 12/17/96
 Vol Fluid Removed: 50 gallons
 Measuring Pt Elev: _____
 Ground Surface Elev: 801
 Measuring Pt Desc: Top of PVC
 Datum: ft, NGVD
 Surveyed By: _____
 IRP Well #: USW19
 Contractor: USGS - Ohio District
 Remarks:

For Lithologic Descriptions See Log of Borehole: USB19

Air Force Plant 85

APPENDIX 3. SUMMARY DATA - ANALYTICAL RESULTS FOR SOIL, GROUND WATER, SURFACE WATER, AND STREAMBED SEDIMENT AT AIR FORCE PLANT 85, COLUMBUS, OHIO, 1996

Summary Data

Analytical Results for Soil, Ground Water, Surface Water, and Streambed Sediment At Air Force Plant 85, Columbus, Ohio, 1996

Explanation of Codes

Units:

µg/L	Micrograms per liter
mg/L	Milligrams per liter
mg/kg	Milligrams per kilogram

Sample Codes

REG	Regular/environmental sample
DUP	Duplicate sample
REP	Replicate sample

Data Qualifiers

--	Not analyzed for
U	Undetected; reporting limits listed
J	Estimated
UJ	Undetected, at an estimated detection limit
R	Rejected

Soil

Location	USB01	USB01	USB03	USB03	USB03	USB04	USB04	USB05	USB05
Begin Depth (feet)	5.0	10.0	3.2	15.7	8.5	33.5	11.5	11.5	11.5
End Depth (feet)	7.5	12.5	5.7	18.2	11.0	36.0	13.8	13.8	13.8
Date	11/16/96	11/16/96	11/17/96	11/17/96	11/19/96	11/19/96	11/21/96	11/21/96	11/21/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
VOLATILE ORGANICS									
Acetone	0.010 U	0.020 UJ	0.19 J	0.010 U	0.010 UJ	0.013 J	0.034 J	0.025 J	0.025 J
Benzene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.097 J	0.0091 J	0.0091 J
Bromodichloromethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromoforn	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromomethane	0.010 U	0.020 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ
2-Butanone	0.010 U	0.020 UJ	0.047 J	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Carbon disulfide	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Carbon tetrachloride	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chlorobenzene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloroethane	0.010 U	0.020 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ
Chloroform	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloromethane	0.010 U	0.020 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ
Dibromochloromethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethene (total)	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloropropane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
cis-1,3-Dichloropropene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
trans-1,3-Dichloropropene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Ethylbenzene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
2-Hexanone	0.010 UJ	0.020 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
4-Methyl-2-pentanone	0.010 UJ	0.020 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Methylene chloride	0.0050 U	0.010 U	0.010 U	0.0063	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Styrene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2,2-Tetrachloroethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Tetrachloroethene (Tetrachloroethylene)	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Toluene	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,1-Trichloroethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2-Trichloroethane	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Trichloroethene (Trichloroethylene)	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Vinyl acetate	0.010 UJ	0.020 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Vinyl chloride	0.010 U	0.020 U	0.020 U	0.010 U	0.010 U	0.010 U	0.014 J	0.010 UJ	0.010 UJ
Xylenes (total)	0.0050 U	0.010 U	0.010 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.015 J

Location	USB06	USB06	USB07	USB07	USB08	USB08	USB09	USB09
Begin Depth (feet)	3.2	8.2	3.1	5.0	3.0	9.0	1.0	11.0
End Depth (feet)	5.7	10.7	5.0	8.0	5.5	9.5	3.5	13.5
Date	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/22/96	11/22/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
VOLATILE ORGANICS								
Acetone	0.045 J	0.010 UJ	0.047 J	0.092 J	0.15 J	0.059 J	0.17 J	0.010 U
Benzene	0.0050 U	0.0088 J	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Bromodichloromethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Bromoform	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
Bromomethane	0.010 U	0.010 UJ	0.010 UJ	0.025 U	0.020 U	0.010 UJ	0.010 U	0.010 U
2-Butanone	0.010 UJ	0.010 UJ	0.010 UJ	0.025 UJ	0.078 J	0.010 UJ	0.037 J	0.010 U
Carbon disulfide	0.0050 U	0.0050 UJ	0.0055 J	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 UJ
Carbon tetrachloride	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
Chlorobenzene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Chloroethane	0.010 U	0.010 UJ	0.010 UJ	0.025 U	0.020 U	0.010 UJ	0.010 U	0.010 U
Chloroform	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Chloromethane	0.010 U	0.010 UJ	0.010 UJ	0.025 U	0.020 U	0.010 UJ	0.010 U	0.010 U
Dibromochloromethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,1-Dichloroethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,2-Dichloroethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
1,1-Dichloroethene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,2-Dichloroethene (total)	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,2-Dichloropropane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
cis-1,3-Dichloropropene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
trans-1,3-Dichloropropene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
Ethylbenzene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
2-Hexanone	0.010 UJ	0.010 UJ	0.010 UJ	0.025 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 U
4-Methyl-2-pentanone	0.010 UJ	0.010 UJ	0.010 UJ	0.025 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 U
Methylene chloride	0.0050 U	0.0050 UJ	0.0067 J	0.012 U	0.010 U	0.011 J	0.0050 U	0.0050 U
Styrene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,1,2,2-Tetrachloroethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 UJ	0.0050 U
Tetrachloroethene (Tetrachloroethylene)	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Toluene	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,1,1-Trichloroethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
1,1,2-Trichloroethane	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Trichloroethene (Trichloroethylene)	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Vinyl acetate	0.010 UJ	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U
Vinyl chloride	0.010 U	0.010 UJ	0.010 UJ	0.025 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Xylenes (total)	0.0050 U	0.0050 UJ	0.0050 UJ	0.012 U	0.010 U	0.0050 UJ	0.0050 U	0.0050 U

Soil

Location	USB10	USB10	USB11	USB12	USB12	USB1302	USB1302	USB14
Begin Depth (feet)	1.0	13.2	0.0	3.4	8.4	13.4	1.9	7.5
End Depth (feet)	3.2	14.5	2.5	5.9	13.4	15.9	2.2	10.0
Date	11/23/96	11/23/96	11/23/96	11/24/96	11/24/96	11/24/96	12/05/96	11/25/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
VOLATILE ORGANICS								
Acetone	0.014 J	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.038 J	0.013 U
Benzene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromodichloromethane	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromoform	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromomethane	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 UJ	0.010 U
2-Butanone	0.010 UJ	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.020 UR	0.010 UJ
Carbon disulfide	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Carbon tetrachloride	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chlorobenzene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloroethane	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 UJ	0.010 U
Chloroform	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
Chloromethane	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 UJ	0.010 U
Dibromochloromethane	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
1,1-Dichloroethane	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
1,2-Dichloroethane	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
1,1-Dichloroethene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
1,2-Dichloroethene (total)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 U	0.0050 UJ	0.0050 U
1,2-Dichloropropane	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
cis-1,3-Dichloropropene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
trans-1,3-Dichloropropene	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Ethylbenzene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
2-Hexanone	0.010 UJ	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.020 UR	0.010 UJ
4-Methyl-2-pentanone	0.010 UJ	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.020 UJ	0.010 UJ
Methylene chloride	0.0050 U	0.0085 U	0.0050 U	0.0052 U	0.0050 UJ	0.0094 U	0.012 J	0.019 J
Styrene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2,2-Tetrachloroethane	0.0050 UJ	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Tetrachloroethene (Tetrachloroethylene)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Toluene	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.041 J	0.0050 UJ
1,1,1-Trichloroethane	0.0050 U	0.0050 U	0.0050 U	0.0099	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2-Trichloroethane	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Trichloroethene (Trichloroethylene)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Vinyl acetate	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	--	0.010 UJ
Vinyl chloride	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 UJ	0.010 U
Xylenes (total)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 UJ	0.0050 UJ	0.0054 J	0.0050 UJ

Soil

Location	USB14	USB15	USB15	USB17	USB17	USB17	USB180A	USB180B	USB180C
Begin Depth (feet)	20.0	8.4	18.4	1.0	8.7	2.2	1.9	1.9	1.9
End Depth (feet)	22.5	10.9	20.9	3.7	11.2	3.1	2.3	2.3	2.5
Date	11/25/96	12/03/96	12/03/96	12/05/96	12/05/96	12/04/96	12/04/96	12/04/96	12/04/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
VOLATILE ORGANICS									
Acetone	0.019 U	0.020 UR	0.12 J	0.020 UR	0.020 UR	0.25 J	0.020 UR	0.020 UR	0.020 UR
Benzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromodichloromethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromoform	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromomethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
2-Butanone	0.010 UJ	0.020 UR	0.022 J	0.020 UR	0.020 UR	0.065 J	0.020 UR	0.020 UR	0.020 UR
Carbon disulfide	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Carbon tetrachloride	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chlorobenzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloroethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Chloroform	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloromethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Dibromochloromethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethene (total)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloropropane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
cis-1,3-Dichloropropene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
trans-1,3-Dichloropropene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Ethylbenzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
2-Hexanone	0.010 UJ	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR
4-Methyl-2-pentanone	0.010 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ
Methylene chloride	0.019 J	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0062 J	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Styrene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2,2-Tetrachloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Tetrachloroethene (Tetrachloroethylene)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Toluene	0.0050 UJ	0.0050 UJ	0.010 J	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0089 J	0.0089 J	0.0088 J
1,1,1-Trichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2-Trichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Trichloroethene (Trichloroethylene)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Vinyl acetate	0.010 UJ	--	--	--	--	--	--	--	--
Vinyl chloride	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Xylenes (total)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ

Soil

Location	USB20	USB20	USB21	USB21	USB21	USW02	USW02	USW02	USW13
Begin Depth (feet)	3.7	12.2	2.0	13.7	13.7	5.5	30.5	1.7	
End Depth (feet)	6.2	13.7	3.7	17.7	17.7	7.0	33.0	3.4	
Date	12/06/96	12/06/96	12/07/96	12/07/96	12/07/96	11/16/96	11/17/96	11/24/96	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	
VOLATILE ORGANICS									
Acetone	0.14 J	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.025 J	0.021 J	0.010 U	
Benzene	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Bromodichloromethane	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Bromoform	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Bromomethane	0.050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	
2-Butanone	0.10 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.010 U	0.010 U	0.010 U	
Carbon disulfide	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Carbon tetrachloride	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Chlorobenzene	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Chloroethane	0.050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	
Chloroform	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Chloromethane	0.050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	
Dibromochloromethane	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,1-Dichloroethane	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,2-Dichloroethane	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,1-Dichloroethene	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,2-Dichloroethene (total)	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,2-Dichloropropane	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
cis-1,3-Dichloropropene	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
trans-1,3-Dichloropropene	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Ethylbenzene	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
2-Hexanone	0.10 UR	0.020 UR	0.020 UR	0.020 UR	0.020 UR	0.010 U	0.010 U	0.010 U	
4-Methyl-2-pentanone	0.10 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.010 UJ	0.010 UJ	0.010 UJ	
Methylene chloride	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0067	0.010 J	0.0078 U	
Styrene	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,1,2,2-Tetrachloroethane	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Tetrachloroethene (Tetrachloroethylene)	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0056 J	0.0050 U	
Toluene	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0069 J	0.0050 U	
1,1,1-Trichloroethane	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
1,1,2-Trichloroethane	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Trichloroethene (Trichloroethylene)	0.025 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	
Vinyl acetate	--	--	--	--	--	0.010 UJ	0.010 UJ	0.010 UJ	
Vinyl chloride	0.050 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	
Xylenes (total)	0.025 U	0.0050 UR	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	

Location	USW16	USW16	USW19	USW19
Begin Depth (feet)	8.5	21.0	1.0	26.0
End Depth (feet)	11.0	23.5	3.5	28.0
Date	12/04/96	12/04/96	12/05/96	12/05/96
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG
VOLATILE ORGANICS				
Acetone	0.020 UR	0.027 J	0.020 UR	0.032 J
Benzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromodichloromethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromoform	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Bromomethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
2-Butanone	0.020 UR	0.020 UR	0.020 UR	0.020 UR
Carbon disulfide	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Carbon tetrachloride	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chlorobenzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloroethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Chloroform	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Chloromethane	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Dibromochloromethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1-Dichloroethene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloroethene (total)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,2-Dichloropropane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
cis-1,3-Dichloropropene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
trans-1,3-Dichloropropene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Ethylbenzene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
2-Hexanone	0.020 UR	0.020 UR	0.020 UR	0.020 UR
4-Methyl-2-pentanone	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ
Methylene chloride	0.0050 UJ	0.0089 J	0.0050 UJ	0.0082 J
Styrene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2,2-Tetrachloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Tetrachloroethene (Tetrachloroethylene)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Toluene	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0090 J
1,1,1-Trichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
1,1,2-Trichloroethane	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Trichloroethene (Trichloroethylene)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ
Vinyl acetate	--	--	--	--
Vinyl chloride	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Xylenes (total)	0.0050 UJ	0.0050 UJ	0.0050 UJ	0.0050 UJ

Soil

Location	USB01	USB01	USB03	USB03	USB04	USB04	USB05	USB05
Begin Depth (feet)	5.0	10.0	3.2	15.7	8.5	33.5	11.5	11.5
End Depth (feet)	7.5	12.5	5.7	18.2	11.0	36.0	13.8	13.8
Date	11/16/96	11/16/96	11/17/96	11/17/96	11/19/96	11/19/96	11/19/96	11/21/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
SEMIVOLATILE ORGANICS								
Acenaphthene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(b)fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(g,h,i)perylene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	0.41	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzoic acid	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Benzyl alcohol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Bis(2-chloroethoxy) methane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-chloroethyl) ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-chloroisopropyl) ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-ethylhexyl) phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Bromophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Butyl benzyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloroaniline	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	0.37	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Cresols, m & p	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenz(a,h)anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Diethyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

Soil

Location	USB01	USB01	USB03	USB03	USB04	USB04	USB05	USB05
Begin Depth (feet)	5.0	10.0	3.2	15.7	8.5	33.5	11.5	11.5
End Depth (feet)	7.5	12.5	5.7	18.2	11.0	36.0	13.8	13.8
Date	11/16/96	11/16/96	11/17/96	11/17/96	11/19/96	11/19/96	11/21/96	11/21/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
SEMIVOLATILE ORGANICS								
Dimethyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
2,4-Dimethylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4,6-Dinitro-2-methylphenol	1.6	U	1.6	U	1.6	U	1.6	U
2,4-Dinitrophenol	1.6	UJ	1.6	UJ	1.6	U	1.6	U
2,4-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
2,6-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
Fluoranthene	0.79	U	0.33	U	0.33	U	0.33	U
Fluorene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobutadiene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorocyclopentadiene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachloroethane	0.33	U	0.33	U	0.33	U	0.33	U
Indeno(1,2,3-c,d)pyrene	0.33	U	0.33	U	0.33	U	0.33	U
Isophorone	0.33	U	0.33	U	0.33	U	0.33	U
2-Methylnaphthalene	0.33	U	0.33	U	0.33	U	0.33	U
2-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
Naphthalene	0.33	U	0.33	U	0.33	U	0.33	U
2-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
3-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
4-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
Nitrobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2-Nitrophenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Nitrophenol	1.6	U	1.6	U	1.6	U	1.6	U
N-Nitrosodi-n-propylamine	0.33	U	0.33	U	0.33	U	0.33	U
N-Nitrosodiphenylamine	0.33	U	0.33	U	0.33	U	0.33	U
Pentachlorophenol	1.6	U	1.6	U	1.6	U	1.6	U
Phenanthrene	0.40	U	0.33	U	0.33	U	0.33	U
Phenol	0.33	U	0.33	U	0.33	U	0.33	U
Pyrene	0.78	U	0.33	U	0.33	U	0.33	U
1,2,4-Trichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2,4,5-Trichlorophenol	1.6	U	1.6	U	1.6	U	1.6	U
2,4,6-Trichlorophenol	0.33	U	0.33	U	0.33	U	0.33	U

Soil

Location	USB06	USB06	USB07	USB07	USB08	USB08	USB09	USB09
Begin Depth (feet)	3.2	8.2	3.1	5.0	3.0	9.0	1.0	11.0
End Depth (feet)	5.7	10.7	5.0	8.0	5.5	9.5	3.5	13.5
Date	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/22/96	11/22/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS								
Acenaphthene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(b)fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(g,h,i)perylene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzoic acid	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UR
Benzyl alcohol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 U	0.33 U
Bis(2-chloroethoxy) methane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-chloroethyl) ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-chloroisopropyl) ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bis(2-ethylhexyl) phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Bromophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Butyl benzyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloroaniline	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Cresols, m & p	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenz(a,h)anthracene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Diethyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

Soil

Location	USB06	USB06	USB07	USB07	USB08	USB08	USB09	USB09
Begin Depth (feet)	3.2	8.2	3.1	5.0	3.0	9.0	1.0	11.0
End Depth (feet)	5.7	10.7	5.0	8.0	5.5	9.5	3.5	13.5
Date	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/22/96	11/22/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS								
Dimethyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
2,4-Dimethylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4,6-Dinitro-2-methylphenol	1.6	U	1.6	U	1.6	U	1.6	U
2,4-Dinitrophenol	1.6	U	1.6	U	1.6	U	1.6	UJ
2,4-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
2,6-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
Fluoranthene	0.33	U	0.33	U	0.33	U	0.33	U
Fluorene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobutadiene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorocyclopentadiene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachloroethane	0.33	U	0.33	U	0.33	U	0.33	U
Indeno(1,2,3-c,d)pyrene	0.33	U	0.33	U	0.33	U	0.33	U
Isophorone	0.33	U	0.33	U	0.33	U	0.33	U
2-Methylnaphthalene	0.33	U	0.33	U	1.4	U	0.33	U
2-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
Naphthalene	0.33	U	0.33	U	0.99	U	0.33	U
2-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
3-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
4-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
Nitrobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2-Nitrophenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Nitrophenol	1.6	U	1.6	U	1.6	U	1.6	UJ
N-Nitrosodi-n-propylamine	0.33	U	0.33	U	0.33	U	0.33	U
N-Nitrosodiphenylamine	0.33	U	0.33	U	0.33	U	0.33	U
Pentachlorophenol	1.6	U	1.6	U	1.6	U	1.6	U
Phenanthrene	0.33	U	0.33	U	0.33	U	0.33	U
Phenol	0.33	U	0.33	U	0.33	U	0.33	U
Pyrene	0.33	U	0.33	U	0.33	U	0.33	U
1,2,4-Trichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2,4,5-Trichlorophenol	1.6	U	1.6	U	1.6	U	1.6	U
2,4,6-Trichlorophenol	0.33	U	0.33	U	0.33	U	0.33	U

Soil

Location	USB10	USB10	USB11	USB12	USB12	USB1302	USB1302	USB14
Begin Depth (feet)	1.0	13.2	0.0	3.4	8.4	13.4	1.9	7.5
End Depth (feet)	3.2	14.5	2.5	5.9	13.4	15.9	2.2	10.0
Date	11/23/96	11/23/96	11/23/96	11/24/96	11/24/96	11/24/96	12/05/96	11/25/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS								
Acenaphthene	0.33	U	0.33	U	0.33	U	0.33	U
Acenaphthylene	0.33	U	0.33	U	0.33	U	0.33	U
Anthracene	0.33	U	0.33	U	0.33	U	0.33	U
Benzo(a)anthracene	0.33	U	0.33	U	0.33	U	0.33	U
Benzo(a)pyrene	0.33	U	0.33	U	0.33	U	0.33	U
Benzo(b)fluoranthene	0.33	U	0.33	U	0.33	U	0.33	U
Benzo(g,h,i)perylene	0.33	U	0.33	U	0.33	U	0.33	U
Benzo(k)fluoranthene	0.33	U	0.33	U	0.33	U	0.33	U
Benzoic acid	1.6	UR	1.6	UR	1.6	UR	--	1.6
Benzyl alcohol	0.33	U	0.33	U	0.33	U	--	0.33
Bis(2-chloroethoxy) methane	0.33	U	0.33	U	0.33	U	0.33	U
Bis(2-chloroethyl) ether	0.33	U	0.33	U	0.33	U	0.33	U
Bis(2-chloroisopropyl) ether	0.33	U	0.33	U	0.33	U	0.33	U
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	U	0.33	U	0.33	U
4-Bromophenyl phenyl ether	0.33	U	0.33	U	0.33	U	0.33	U
Butyl benzyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
Carbazole	--	--	--	--	--	--	0.33	--
4-Chloro-3-methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Chloroaniline	0.33	U	0.33	U	0.33	U	0.33	U
2-Chloronaphthalene	0.33	U	0.33	U	0.33	U	0.33	U
2-Chlorophenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Chlorophenyl phenyl ether	0.33	U	0.33	U	0.33	U	0.33	U
Chrysene	0.33	U	0.33	U	0.33	U	0.33	U
Cresols, m & p	--	--	--	--	--	--	0.33	--
Di-n-butyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
Di-n-octyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
Dibenz(a,h)anthracene	0.33	U	0.33	U	0.33	U	0.33	U
Dibenzofuran	0.33	U	0.33	U	0.33	U	0.33	U
1,2-Dichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
1,3-Dichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
1,4-Dichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
3,3'-Dichlorobenzidine	0.66	U	0.66	U	0.66	U	1.6	0.66
2,4-Dichlorophenol	0.33	U	0.33	U	0.33	U	0.33	U
Diethyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U

Soil

Location	USB10	USB10	USB11	USB12	USB12	USB1302	USB1302	USB14
Begin Depth (feet)	1.0	13.2	0.0	3.4	8.4	13.4	1.9	7.5
End Depth (feet)	3.2	14.5	2.5	5.9	13.4	15.9	2.2	10.0
Date	11/23/96	11/23/96	11/23/96	11/24/96	11/24/96	11/24/96	12/05/96	11/25/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS								
Dimethyl phthalate	0.33	U	0.33	U	0.33	U	0.33	U
2,4-Dimethylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4,6-Dinitro-2-methylphenol	1.6	U	1.6	U	1.6	U	1.6	U
2,4-Dinitrophenol	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
2,4-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
2,6-Dinitrotoluene	0.33	U	0.33	U	0.33	U	0.33	U
Fluoranthene	0.33	U	0.33	U	0.33	U	0.33	U
Fluorene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorobutadiene	0.33	U	0.33	U	0.33	U	0.33	U
Hexachlorocyclopentadiene	0.33	U	0.33	U	0.33	U	1.6	UR
Hexachloroethane	0.33	U	0.33	U	0.33	U	0.33	U
Indeno(1,2,3-c,d)pyrene	0.33	U	0.33	U	0.33	U	0.33	U
Isophorone	0.33	U	0.33	U	0.33	U	0.33	U
2-Methylnaphthalene	0.33	U	0.33	U	0.33	U	0.33	U
2-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Methylphenol	0.33	U	0.33	U	0.33	U	0.33	U
Naphthalene	0.33	U	0.33	U	0.33	U	0.33	U
2-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
3-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
4-Nitroaniline	1.6	U	1.6	U	1.6	U	1.6	U
Nitrobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2-Nitrophenol	0.33	U	0.33	U	0.33	U	0.33	U
4-Nitrophenol	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
N-Nitrosodi-n-propylamine	0.33	U	0.33	U	0.33	U	0.33	U
N-Nitrosodiphenylamine	0.33	U	0.33	U	0.33	U	0.33	U
Pentachlorophenol	1.6	U	1.6	U	1.6	U	1.6	U
Phenanthrene	0.33	U	0.33	U	0.33	U	0.33	U
Phenol	0.33	U	0.33	U	0.33	U	0.33	U
Pyrene	0.33	U	0.33	U	0.33	U	0.33	U
1,2,4-Trichlorobenzene	0.33	U	0.33	U	0.33	U	0.33	U
2,4,5-Trichlorophenol	1.6	U	1.6	U	1.6	U	0.33	UJ
2,4,6-Trichlorophenol	0.33	U	0.33	U	0.33	U	0.33	U

Soil

Location	USB14	USB15	USB15	USB15	USB17	USB17	USB180A	USB180B	USB180C
Begin Depth (feet)	20.0	8.4	18.4	1.0	8.7	2.2	1.9	1.9	1.9
End Depth (feet)	22.5	10.9	20.9	3.7	11.2	3.1	2.3	2.3	2.5
Date	11/25/96	12/03/96	12/03/96	12/05/96	12/05/96	12/04/96	12/04/96	12/04/96	12/04/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS									
Acenaphthene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Acenaphthylene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Anthracene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzo(a)anthracene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzo(a)pyrene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzo(b)fluoranthene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzo(g,h,i)perylene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzo(k)fluoranthene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Benzoic acid	1.6 UR	--	--	--	--	--	--	--	--
Benzyl alcohol	0.33 U	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy) methane	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Bis(2-chloroethyl) ether	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Bis(2-chloroisopropyl) ether	0.33 U	0.33 UR	0.33 UR	0.33 UR	0.33 UR	0.33 UR	0.33 UR	0.33 UR	0.33 UR
Bis(2-ethylhexyl) phthalate	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Bromophenyl phenyl ether	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Butyl benzyl phthalate	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Carbazole	--	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Chloro-3-methylphenol	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Chloroaniline	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Chloronaphthalene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Chlorophenol	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Chlorophenyl phenyl ether	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Chrysene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Cresols, m & p	--	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Di-n-butyl phthalate	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Di-n-octyl phthalate	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Dibenz(a,h)anthracene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Dibenzofuran	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
1,2-Dichlorobenzene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
1,3-Dichlorobenzene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
1,4-Dichlorobenzene	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
3,3'-Dichlorobenzidine	0.66 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
2,4-Dichlorophenol	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Diethyl phthalate	0.33 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ

Soil

Location	USB14	USB15	USB15	USB15	USB17	USB17	USB180A	USB180B	USB180C
Begin Depth (feet)	20.0	8.4	18.4	1.0	8.7	2.2	1.9	1.9	1.9
End Depth (feet)	22.5	10.9	20.9	3.7	11.2	3.1	2.3	2.3	2.5
Date	11/25/96	12/03/96	12/03/96	12/05/96	12/05/96	12/04/96	12/04/96	12/04/96	12/04/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
SEMIVOLATILE ORGANICS									
Dimethyl phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2,4-Dimethylphenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
4,6-Dinitro-2-methylphenol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2,4-Dinitrophenol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2,4-Dinitrotoluene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2,6-Dinitrotoluene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Fluoranthene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Fluorene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Hexachlorobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Hexachlorobutadiene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Hexachlorocyclopentadiene	0.33	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hexachloroethane	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Indeno(1,2,3-c,d)pyrene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Isophorone	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2-Methylnaphthalene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2-Methylphenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
4-Methylphenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Naphthalene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2-Nitroaniline	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3-Nitroaniline	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
4-Nitroaniline	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Nitrobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2-Nitrophenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
4-Nitrophenol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
N-Nitrosodi-n-propylamine	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
N-Nitrosodiphenylamine	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Pentachlorophenol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Phenanthrene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Phenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Pyrene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
1,2,4-Trichlorobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2,4,5-Trichlorophenol	1.6	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
2,4,6-Trichlorophenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33

Soil

Location	USB20	USB20	USB21	USB21	USB21	USW02	USW02	USW02	USW13
Begin Depth (feet)	3.7	12.2	2.0	13.7	13.7	5.5	30.5	1.7	
End Depth (feet)	6.2	13.7	3.7	17.7	17.7	7.0	33.0	3.4	
Date	12/06/96	12/06/96	12/07/96	12/07/96	12/07/96	11/16/96	11/17/96	11/24/96	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Sample Type	REG	REG	REG	REG	REP	REG	REG	REG	
SEMIVOLATILE ORGANICS									
Acenaphthene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Acenaphthylene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Anthracene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzo(a)anthracene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzo(a)pyrene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzo(b)fluoranthene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzo(g,h,i)perylene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzo(k)fluoranthene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Benzoic acid	--	--	--	--	--	1.6	1.6	1.6	UR
Benzyl alcohol	--	--	--	--	--	0.33	0.33	0.33	U
Bis(2-chloroethoxy) methane	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Bis(2-chloroethyl) ether	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Bis(2-chloroisopropyl) ether	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Bis(2-ethylhexyl) phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
4-Bromophenyl phenyl ether	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Butyl benzyl phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Carbazole	0.33	0.33	0.33	0.33	0.33	--	--	--	
4-Chloro-3-methylphenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
4-Chloroaniline	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
2-Chloronaphthalene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
2-Chlorophenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
4-Chlorophenyl phenyl ether	0.029	0.029	0.029	0.029	0.029	0.33	0.33	0.33	U
Chrysene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Cresols, m & p	--	--	--	--	--	--	--	--	
Di-n-butyl phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Di-n-octyl phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Dibenzofuran	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
1,2-Dichlorobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
1,3-Dichlorobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
1,4-Dichlorobenzene	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
3,3'-Dichlorobenzidine	1.6	1.6	1.6	1.6	1.6	0.66	0.66	0.66	U
2,4-Dichlorophenol	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U
Diethyl phthalate	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	U

Soil

Location	USB20	USB20	USB21	USB21	USB21	USW02	USW02	USW13
Begin Depth (feet)	3.7	12.2	2.0	13.7	13.7	5.5	30.5	1.7
End Depth (feet)	6.2	13.7	3.7	17.7	17.7	7.0	33.0	3.4
Date	12/06/96	12/06/96	12/07/96	12/07/96	12/07/96	11/16/96	11/17/96	11/24/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REP	REG	REG	REG
SEMIVOLATILE ORGANICS								
Dimethyl phthalate	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dimethylphenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4,6-Dinitro-2-methylphenol	1.6 UR	1.6 UR	1.6 UR	1.6 UR	1.6 UR	1.6 UJ	1.6 UJ	1.6 UJ
2,4-Dinitrophenol	1.6 UR	1.6 UR	1.6 UR	1.6 UR	1.6 UR	1.6 UJ	1.6 UJ	1.6 UJ
2,4-Dinitrotoluene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ	0.33 U	0.33 U	0.33 U
2,6-Dinitrotoluene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Fluoranthene	0.33 U	0.33 U	0.61	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Fluorene	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.33 U	0.33 U	0.33 U
Hexachlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobutadiene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorocyclopentadiene	1.6 UR	1.6 UR	1.6 UR	1.6 UR	1.6 UR	0.33 U	0.33 U	0.33 U
Hexachloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Indeno(1,2,3-c,d)pyrene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Isophorone	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylnaphthalene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Methylphenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitroaniline	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
3-Nitroaniline	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Nitroaniline	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Nitrobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitrophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Nitrophenol	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 UJ
N-Nitrosodi-n-propylamine	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodiphenylamine	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Pentachlorophenol	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Phenanthrene	0.33 U	0.33 U	0.46	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Phenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Pyrene	0.33 U	0.33 U	0.57	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2,4-Trichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

Soil

Location	USW16	USW16	USW19	USW19
Begin Depth (feet)	8.5	21.0	1.0	26.0
End Depth (feet)	11.0	23.5	3.5	28.0
Date	12/04/96	12/04/96	12/05/96	12/05/96
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG
SEMIVOLATILE ORGANICS				
Acenaphthene	0.33	0.33	0.33	0.33
Acenaphthylene	0.33	0.33	0.33	0.33
Anthracene	0.33	0.33	0.33	0.33
Benzo(a)anthracene	0.33	0.33	0.33	0.33
Benzo(a)pyrene	0.33	0.33	0.33	0.33
Benzo(b)fluoranthene	0.33	0.33	0.33	0.33
Benzo(g,h,i)perylene	0.33	0.33	0.33	0.33
Benzo(k)fluoranthene	0.33	0.33	0.33	0.33
Benzoic acid	--	--	--	--
Benzyl alcohol	--	--	--	--
Bis(2-chloroethoxy) methane	0.33	0.33	0.33	0.33
Bis(2-chloroethyl) ether	0.33	0.33	0.33	0.33
Bis(2-chloroisopropyl) ether	0.33	0.33	0.33	0.33
Bis(2-ethylhexyl) phthalate	0.33	0.33	0.35	0.33
4-Bromophenyl phenyl ether	0.33	0.33	0.33	0.33
Buryl benzyl phthalate	0.33	0.33	0.33	0.33
Carbazole	0.33	0.33	0.33	0.33
4-Chloro-3-methylphenol	0.33	0.33	0.33	0.33
4-Chloroaniline	0.33	0.33	0.33	0.33
2-Chloronaphthalene	0.33	0.33	0.33	0.33
2-Chlorophenol	0.33	0.33	0.33	0.33
4-Chlorophenyl phenyl ether	0.33	0.33	0.33	0.33
Chrysene	0.33	0.33	0.33	0.33
Cresols, m & p	0.33	0.33	0.33	0.33
Di-n-butyl phthalate	0.33	0.33	0.33	0.33
Di-n-octyl phthalate	0.33	0.33	0.33	0.33
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.33
Dibenzofuran	0.33	0.33	0.33	0.33
1,2-Dichlorobenzene	0.33	0.33	0.33	0.33
1,3-Dichlorobenzene	0.33	0.33	0.33	0.33
1,4-Dichlorobenzene	0.33	0.33	0.33	0.33
3,3'-Dichlorobenzidine	1.6	1.6	1.6	1.6
2,4-Dichlorophenol	0.33	0.33	0.33	0.33
Diethyl phthalate	0.33	0.33	0.33	0.33

Soil

Location	USW16	USW16	USW19	USW19
Begin Depth (feet)	8.5	21.0	1.0	26.0
End Depth (feet)	11.0	23.5	3.5	28.0
Date	12/04/96	12/04/96	12/05/96	12/05/96
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG
SEMIVOLATILE ORGANICS				
Dimethyl phthalate	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2,4-Dimethylphenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4,6-Dinitro-2-methylphenol	1.6 UR	1.6 UR	1.6 UR	1.6 UR
2,4-Dinitrophenol	1.6 UR	1.6 UR	1.6 UR	1.6 UR
2,4-Dinitrotoluene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2,6-Dinitrotoluene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Fluoranthene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Fluorene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Hexachlorobenzene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Hexachlorobutadiene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Hexachlorocyclopentadiene	1.6 UR	1.6 UR	1.6 UR	1.6 UR
Hexachloroethane	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Indeno(1,2,3-c,d)pyrene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Isophorone	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Methylnaphthalene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Methylphenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Methylphenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Naphthalene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Nitroaniline	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
3-Nitroaniline	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
4-Nitroaniline	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Nitrobenzene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2-Nitrophenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
4-Nitrophenol	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
N-Nitrosodi-n-propylamine	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
N-Nitrosodiphenylamine	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Pentachlorophenol	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Phenanthrene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Phenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
Pyrene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
1,2,4-Trichlorobenzene	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2,4,5-Trichlorophenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ
2,4,6-Trichlorophenol	0.33 UJ	0.33 UJ	0.33 UJ	0.33 UJ

Soil

Location	USB01	USB01	USB03	USB03	USB04	USB04	USB05	USB05
Begin Depth (feet)	5.0	10.0	3.2	15.7	8.5	33.5	11.5	11.5
End Depth (feet)	7.5	12.5	5.7	18.2	11.0	36.0	13.8	13.8
Date	11/16/96	11/16/96	11/17/96	11/17/96	11/19/96	11/19/96	11/21/96	11/21/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
Arochlor 1016	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1221	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1232	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1242	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1248	0.040	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1254	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
Arochlor 1260	0.033 U	0.033 U	0.033 U	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 U
alpha BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
beta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
delta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
gamma BHC (Lindane)	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
alpha-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
gamma-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
4,4'-DDD	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
4,4'-DDE	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
4,4'-DDT	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Dieldrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Endosulfan I	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
Endosulfan II	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Endosulfan sulfate	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Endrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Endrin ketone	0.0056	0.0033 U	0.0033 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 U
Heptachlor	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
Heptachlor epoxide	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 U
Methoxychlor	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 U	0.017 UJ	0.017 U
Toxaphene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 U	0.17 UJ	0.17 U

Soil

Location	USB06	USB06	USB07	USB07	USB08	USB08	USB09	USB09
Begin Depth (feet)	3.2	8.2	3.1	5.0	3.0	9.0	1.0	11.0
End Depth (feet)	5.7	10.7	5.0	8.0	5.5	9.5	3.5	13.5
Date	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/22/96	11/22/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Arochlor 1016	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1221	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1232	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1242	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1248	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1254	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1260	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
alpha BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
beta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
delta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
gamma BHC (Lindane)	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
alpha-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
gamma-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
4,4'-DDD	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
4,4'-DDE	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
4,4'-DDT	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Dieldrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan I	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Endosulfan II	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan sulfate	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endrin ketone	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Heptachlor	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Heptachlor epoxide	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Methoxychlor	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U
Toxaphene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U

Soil

Location	USB10	USB10	USB11	USB12	USB12	USB1302	USB1302	USB14
Begin Depth (feet)	1.0	13.2	0.01	3.4	8.4	13.4	1.9	7.5
End Depth (feet)	3.2	14.5	2.5	5.9	13.4	15.9	2.2	10.0
Date	11/23/96	11/23/96	11/23/96	11/24/96	11/24/96	11/24/96	12/05/96	11/25/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Arochlor 1016	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1221	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1232	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1242	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1248	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1254	0.033 U	0.033 U	0.056	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Arochlor 1260	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
alpha BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
beta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
delta BHC	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
gamma BHC (Lindane)	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
alpha-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
gamma-Chlordane	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
4,4'-DDD	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
4,4'-DDE	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
4,4'-DDT	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Dieldrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan I	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Endosulfan II	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan sulfate	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endrin	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Endrin ketone	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Heptachlor	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Heptachlor epoxide	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Methoxychlor	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U
Toxaphene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U

Soil

Location	USB14	USB15	USB15	USB17	USB17	USB180A	USB180B	USB180C
Begin Depth (feet)	20.0	8.4	18.4	1.0	8.7	2.2	1.9	1.9
End Depth (feet)	22.5	10.9	20.9	3.7	11.2	3.1	2.3	2.5
Date	11/25/96	12/03/96	12/03/96	12/05/96	12/05/96	12/04/96	12/04/96	12/04/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Arochlor 1016	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1221	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1232	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1242	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1248	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1254	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1260	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
alpha BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
beta BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
delta BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
gamma BHC (Lindane)	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
alpha-Chlordane	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
gamma-Chlordane	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
4,4'-DDD	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
4,4'-DDE	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
4,4'-DDT	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Dieldrin	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endosulfan I	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Endosulfan II	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endosulfan sulfate	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endrin	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endrin ketone	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Heptachlor	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Heptachlor epoxide	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Methoxychlor	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ
Toxaphene	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ

Soil

Location	USB20	USB20	USB21	USB21	USB21	USW02	USW02	USW13
Begin Depth (feet)	3.7	12.2	2.0	13.7	13.7	5.5	30.5	1.7
End Depth (feet)	6.2	13.7	3.7	17.7	17.7	7.0	33.0	3.4
Date	12/06/96	12/06/96	12/07/96	12/07/96	12/07/96	11/16/96	11/17/96	11/24/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REP	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
Arochlor 1016	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1221	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1232	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1242	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1248	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1254	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
Arochlor 1260	0.033 U	0.033 UJ	0.033 U	0.033 UJ	0.033 UJ	0.033 U	0.033 U	0.033 U
alpha BHC	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
beta BHC	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
delta BHC	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
gamma BHC (Lindane)	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
alpha-Chlordane	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
gamma-Chlordane	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
4,4'-DDD	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
4,4'-DDE	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
4,4'-DDT	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 U
Dieldrin	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
Endosulfan I	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
Endosulfan II	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
Endosulfan sulfate	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 U
Endrin	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
Endrin ketone	0.0033 U	0.0033 UJ	0.0033 U	0.0033 UJ	0.0033 UJ	0.0033 U	0.0033 U	0.0033 U
Heptachlor	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
Heptachlor epoxide	0.0017 U	0.0017 UJ	0.0017 U	0.0017 UJ	0.0017 UJ	0.0017 U	0.0017 U	0.0017 U
Methoxychlor	0.017 U	0.017 UJ	0.017 U	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ	0.017 U
Toxaphene	0.17 U	0.17 UJ	0.17 U	0.17 UJ	0.17 UJ	0.17 U	0.17 U	0.17 U

Location	USW16	USW16	USW19	USW19
Begin Depth (feet)	8.5	21.0	1.0	26.0
End Depth (feet)	11.0	23.5	3.5	28.0
Date	12/04/96	12/04/96	12/05/96	12/05/96
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS				
Aldrin	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Arochlor 1016	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1221	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1232	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1242	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1248	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1254	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
Arochlor 1260	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ
alpha BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
beta BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
delta BHC	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
gamma BHC (Lindane)	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
alpha-Chlordane	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
gamma-Chlordane	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
4,4' -DDD	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
4,4' -DDE	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
4,4' -DDT	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Dieldrin	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endosulfan I	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Endosulfan II	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endosulfan sulfate	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endrin	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Endrin ketone	0.0033 UJ	0.0033 UJ	0.0033 UJ	0.0033 UJ
Heptachlor	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Heptachlor epoxide	0.0017 UJ	0.0017 UJ	0.0017 UJ	0.0017 UJ
Methoxychlor	0.017 UJ	0.017 UJ	0.017 UJ	0.017 UJ
Toxaphene	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ

Soil

Location	USB01	USB01	USB03	USB03	USB04	USB04	USB05	USB05
Begin Depth (feet)	5.0	10.0	3.2	15.7	8.5	33.5	11.5	11.5
End Depth (feet)	7.5	12.5	5.7	18.2	11.0	36.0	13.8	13.8
Date	11/16/96	11/16/96	11/17/96	11/17/96	11/19/96	11/19/96	11/21/96	11/21/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
METALS								
Aluminum	5870	4100	10900	6760	5230	4540	6060	6500
Antimony	6.0	12.0	6.0	6.0	6.0	6.0	6.0	6.0
Arsenic	19.6	20.0	14.7	13.5	13.3	10.0	10.7	24.1
Barium	74.9	67.1	152	92.7	78.3	48.3	154	643
Beryllium	0.34	0.40	0.76	0.38	0.29	0.27	0.44	0.34
Cadmium	0.56	1.0	0.50	0.50	0.50	0.50	0.50	0.50
Calcium	68600	108000	2720	68400	42200	55700	6980	7720
Chromium	11.4	6.1	13.6	9.7	7.4	9.3	9.8	10.2
Cobalt	7.7	4.6	8.6	8.4	8.0	6.1	11.1	11.7
Copper	21.3	12.0	14.1	16.8	21.8	15.0	31.6	34.4
Iron	17400	12600	19800	16500	17400	13500	22400	24400
Lead	21.7	1210	17.5	10.2	6.9	5.0	10.4	17.7
Magnesium	26800	32600	2280	27700	18900	16000	3850	4540
Manganese	334	221	258	397	179	241	165	129
Molybdenum	8.8	6.0	3.4	6.0	12.4	5.8	54.4	33.6
Nickel	21.8	15.4	18.8	24.6	26.8	17.3	71.9	73.7
Potassium	1120	1000	1040	1430	1310	1050	1950	2260
Selenium	20.0	40.0	20.0	20.0	20.0	20.0	20.0	20.0
Silver	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
Sodium	500	1000	500	500	500	500	500	500
Thallium	200	400	200	200	200	200	200	200
Vanadium	17.7	11.3	26.4	13.3	15.0	10.2	23.2	26.1
Zinc	79.0	47.5	69.1	50.4	70.9	38.8	33.2	76.3

Soil

Location	USB06	USB06	USB07	USB07	USB08	USB08	USB09	USB09
Begin Depth (feet)	3.2	8.2	3.1	5.0	3.0	9.0	1.0	11.0
End Depth (feet)	5.7	10.7	5.0	8.0	5.5	9.5	3.5	13.5
Date	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/22/96	11/22/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
METALS								
Aluminum	4740	6300	1640	5320	7110	7450	10500	3550
Antimony	12.0	6.0	12.0	6.0	6.0	6.0	6.0	6.0
Arsenic	20.0	20.0	20.0	10.0	10.0	39.6	10.0	11.2
Barium	73.3	140	32.7	74.2	118	134	173	28.7
Beryllium	0.40	0.43	0.40	0.21	0.52	0.45	0.78	0.25
Cadmium	1.0	0.50	1.0	0.78	0.50	1.2	0.50	0.50
Calcium	184000	4540	139000	82700	33800	3630	3360	74400
Chromium	5.0	9.5	4.6	7.8	8.1	11.8	12.3	4.3
Cobalt	3.2	13.7	2.9	5.4	7.3	15.5	9.2	4.2
Copper	9.7	35.0	8.0	17.8	17.5	40.3	19.6	14.9
Iron	11500	26500	8240	15300	16300	35100	23200	12500
Lead	10.0	16.5	10.0	30.9	19.9	25.8	12.7	5.0
Magnesium	51700	3260	52100	17600	14700	4160	2250	17900
Manganese	286	161	254	429	269	187	481	220
Molybdenum	4.7	34.3	4.5	8.7	7.9	14.8	5.8	5.2
Nickel	9.3	86.3	9.1	15.5	24.2	83.5	26.3	15.8
Potassium	1000	2270	1000	783	966	2480	769	786
Selenium	40.0	20.0	40.0	20.0	20.0	20.0	20.0	20.0
Silver	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0
Sodium	1000	500	1000	500	500	500	500	500
Thallium	400	200	400	200	200	200	200	200
Vanadium	9.2	24.4	7.0	14.2	15.7	31.6	24.1	10.8
Zinc	18.7	52.1	27.9	68.0	42.4	79.3	78.7	51.5

Soil

Location	USB10	USB10	USB11	USB12	USB12	USB1302	USB1302	USB14
Begin Depth (feet)	1.0	13.2	0.0	3.4	8.4	13.4	1.9	7.5
End Depth (feet)	3.2	14.5	2.5	5.9	13.4	15.9	2.2	10.0
Date	11/23/96	11/23/96	11/23/96	11/24/96	11/24/96	11/24/96	12/05/96	11/25/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
METALS								
Aluminum	4000	3260	5160	1500	1450	5650	9470	6290
Antimony	12.0	6.0	6.0	12.0	12.0	6.0	6.0	6.0
Arsenic	24.0	23.1	17.0	20.0	20.0	17.6	15.1	15.9
Barium	60.2	17.9	54.0	50.7	18.9	61.8	129	174
Beryllium	0.40	0.20	0.40	0.40	0.40	0.20	0.48	0.26
Cadmium	1.0	0.50	0.50	1.0	1.0	0.50	0.96	0.50
Calcium	122000	77400	48100	148000	128000	36100	7390	61200
Chromium	24.2	4.1	6.7	2.0	2.0	7.9	12.5	9.0
Cobalt	5.6	5.8	10.0	3.1	2.7	8.5	11.0	9.2
Copper	18.8	15.1	19.1	7.4	7.1	20.4	26.4	20.5
Iron	15700	14200	18800	7140	7950	19700	25800	18000
Lead	10.0	7.8	10.5	10.0	10.0	7.1	10.9	13.5
Magnesium	32500	24400	16500	40600	38600	12900	4200	25800
Manganese	322	227	314	200	181	252	266	228
Molybdenum	10.5	11.7	7.9	4.0	4.6	9.0	9.8	11.3
Nickel	18.3	24.3	27.7	14.1	9.2	28.3	34.1	29.0
Potassium	1000	812	678	1000	1000	1200	1130	1610
Selenium	40.0	20.0	20.0	40.0	40.0	20.0	20.0	20.0
Silver	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
Sodium	1000	500	500	1000	1000	500	500	500
Thallium	400	200	200	400	400	200	200	200
Vanadium	15.7	12.2	13.9	4.3	4.0	13.8	24.3	17.9
Zinc	107	41.1	76.3	24.5	28.5	74.3	95.3	74.0

Soil

Location	USB14	USB15	USB15	USB15	USB17	USB17	USB180A	USB180B	USB180C
Begin Depth (feet)	20.0	8.4	18.4	1.0	8.7	2.2	1.9	9360 J	1.9
End Depth (feet)	22.5	10.9	20.9	3.7	11.2	3.1	2.3	6.0 UJ	2.5
Date	11/25/96	12/03/96	12/03/96	12/05/96	12/05/96	12/04/96	12/04/96	12/04/96	12/04/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
METALS									
Aluminum	3510	7590 J	2490 J	1160 J	6270 J	10900 J	9940 J	9360 J	
Antimony	6.0 UJ	6.0 UJ	12.0 UJ	12.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ	
Arsenic	19.0	11.9 J	20.0 UJ	20.0 UJ	10.9 J	10.0 UJ	10.0 UJ	10.0 UJ	
Barium	35.5	45.7 J	14.4 J	9.7 J	40.0 J	116 J	126 J	76.8 J	
Beryllium	0.20 U	0.48 J	0.40 UJ	0.40 UJ	0.33 J	0.83 J	0.78 J	0.58 J	
Cadmium	0.50	0.87 J	1.0 UJ	1.1 J	0.50 UJ	0.50 UJ	0.73 J	0.70 J	
Calcium	44400	2200 J	120000J	159000J	39300 J	4050 J	4230 J	3020 J	
Chromium	5.1	11.9 J	3.5 J	4.2 J	8.9 J	12.9 J	11.9 J	11.3 J	
Cobalt	6.0	10.1 J	3.5 J	2.3 J	9.1 J	6.9 J	5.0 J	5.9 J	
Copper	17.1	30.6 J	13.8 J	5.2 J	22.3 J	24.4 J	23.6 J	16.2 J	
Iron	15700	26600 J	9820 J	4850 J	20700 J	16100 J	14300 J	14800 J	
Lead	8.3	11.9 J	10.0 UJ	10.0 UJ	7.2 J	16.1 J	18.7 J	17.1 J	
Magnesium	13500 J	2630 J	45700 J	60600 J	13100 J	2260 J	2050 J	1780 J	
Manganese	244	210 J	185 J	147 J	249 J	240 J	194 J	198 J	
Molybdenum	8.8	13.9 J	6.9 J	4.0 UJ	10.4 J	3.0 J	2.8 J	2.9 J	
Nickel	22.2	41.7 J	11.8 J	8.0 UJ	28.5 J	20.5 J	17.4 J	14.3 J	
Potassium	931	1520 J	1000 UJ	1000 UJ	1410 J	1380 J	1090 J	1100 J	
Selenium	20.0 U	20.0 UJ	40.0 UJ	40.0 UJ	20.0 UJ	20.0 UJ	20.0 UJ	20.0 UJ	
Silver	1.0 U	1.0 UJ	2.0 UJ	2.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	
Sodium	500 U	500 UJ	1000 UJ	1000 UJ	500 UJ	500 UJ	500 UJ	500 UJ	
Thallium	200 U	200 UJ	400 UJ	400 UJ	200 UJ	200 UJ	200 UJ	200 UJ	
Vanadium	11.1	24.7 J	12.2 J	4.2 J	13.0 J	23.7 J	23.1 J	23.9 J	
Zinc	77.8 J	197 J	50.3 J	13.7 J	60.4 J	82.2 J	77.1 J	69.9 J	

Soil

Location	USB20	USB20	USB21	USB21	USB21	USW02	USW02	USW13
Begin Depth (feet)	3.7	12.2	2.0	13.7	13.7	5.5	30.5	1.7
End Depth (feet)	6.2	13.7	3.7	17.7	17.7	7.0	33.0	3.4
Date	12/06/96	12/06/96	12/07/96	12/07/96	12/07/96	11/16/96	11/17/96	11/24/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REP	REG	REG	REG
METALS								
Aluminum	6650	3940	3590	3730	3950	4530	3180	609
Antimony	6.0	6.0	12.0	6.0	6.0	6.0	6.0	12.0
Arsenic	12.1	11.4	20.0	13.1	15.6	13.4	14.6	20.0
Barium	62.6	43.3	204	25.1	23.8	166	105	48.2
Beryllium	0.50	0.27	0.40	0.28	0.28	0.29	0.29	0.40
Cadmium	0.50	0.50	1.0	0.50	0.50	0.50	0.50	1.0
Calcium	1760	46200	167000	93000	70100	52600	49900	171000
Chromium	10.2	5.6	7.0	7.8	8.7	6.5	5.4	2.0
Cobalt	6.9	6.9	3.4	4.9	5.0	5.9	5.9	2.0
Copper	17.9	21.6	13.4	17.0	17.2	18.5	14.6	4.0
Iron	20400	16200	9580	14600	14900	16000	13500	4320
Lead	9.7	7.3	10.0	7.7	5.6	11.0	8.7	10.0
Magnesium	1930	16300	11300	17000	16500	19500	15300	49700
Manganese	128	238	191	181	171	225	187	269
Molybdenum	7.4	9.0	4.0	8.0	8.5	6.7	8.1	4.0
Nickel	24.0	24.6	13.3	18.4	18.5	20.3	21.9	8.0
Potassium	1040	949	1000	743	767	1230	937	1000
Selenium	20.0	20.0	40.0	20.0	20.0	20.0	20.0	40.0
Silver	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0
Sodium	500	500	1000	500	500	500	500	1000
Thallium	200	200	400	200	200	200	200	400
Vanadium	17.4	10.1	10.3	8.9	8.9	12.4	11.4	2.7
Zinc	78.1	62.1	59.9	52.2	55.3	64.1	67.8	6.2

Soil

Location	USW16	USW16	USW19	USW19
Begin Depth (feet)	8.5	21.0	1.0	26.0
End Depth (feet)	11.0	23.5	3.5	28.0
Date	12/04/96	12/04/96	12/05/96	12/05/96
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG
METALS				
Aluminum	6600 J	4060 J	10300 J	6100 J
Antimony	6.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ
Arsenic	16.8 J	34.0 J	10.9 J	10.0 UJ
Barium	48.5 J	14.5 J	86.9 J	54.3 J
Beryllium	0.30 J	0.23 J	0.67 J	0.23 J
Cadmium	0.50 UJ	0.88 J	0.50 UJ	0.50 UJ
Calcium	32200 J	63100 J	2100 J	47900 J
Chromium	24.8 J	30.9 J	12.6 J	9.3 J
Cobalt	10.2 J	7.8 J	10.0 J	6.8 J
Copper	24.9 J	31.8 J	14.7 J	17.7 J
Iron	20500 J	28500 J	20800 J	16300 J
Lead	8.5 J	9.4 J	13.7 J	5.0 UJ
Magnesium	17200 J	16600 J	1920 J	15400 J
Manganese	310 J	185 J	569 J	255 J
Molybdenum	11.2 J	14.0 J	8.5 J	6.1 J
Nickel	33.2 J	31.0 J	13.3 J	19.1 J
Potassium	1350 J	837 J	826 J	1430 J
Selenium	20.0 UJ	20.0 UJ	21.0 UJ	20.0 UJ
Silver	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Sodium	500 UJ	500 UJ	500 UJ	500 UJ
Thallium	200 UJ	200 UJ	200 UJ	200 UJ
Vanadium	19.7 J	14.5 J	24.6 J	14.4 J
Zinc	83.2 J	69.4 J	47.4 J	49.2 J

Surface Water

Location	9MW1 12/17/96 REG µg/L	9MW3 12/18/96 REG µg/L	9MW7 12/18/96 REG µg/L	BLD3 12/18/96 REG µg/L	BLD3 12/18/96 DUP µg/L	PG-201 12/17/96 REG µg/L	PG-501 12/18/96 REG µg/L	USW02 12/17/96 REG µg/L
VOLATILE ORGANICS								
Acetone	10	UJ	10	UJ	10	UJ	10	UJ
Benzene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.9
Bromodichloromethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Bromoform	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Bromomethane	2.0	U	2.0	UJ	2.0	UJ	2.0	2.0
2-Butanone	5.0	UJ	5.0	UJ	5.0	UJ	5.0	5.0
Carbon disulfide	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Carbon tetrachloride	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Chlorobenzene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Chloroethane	2.0	U	2.0	UJ	2.0	UJ	2.0	2.0
Chloroform	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Chloromethane	2.0	U	2.0	UJ	2.0	UJ	2.0	2.0
Dibromochloromethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,1-Dichloroethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,2-Dichloroethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,1-Dichloroethene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,2-Dichloroethene (total)	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,2-Dichloropropane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
cis-1,3-Dichloropropene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
trans-1,3-Dichloropropene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Ethylbenzene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
2-Hexanone	5.0	UJ	5.0	UJ	5.0	UJ	5.0	5.0
4-Methyl-2-pentanone	5.0	U	5.0	UJ	5.0	UJ	5.0	5.0
Methylene chloride	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Styrene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Tetrachloroethene (Tetrachloroethylene)	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Toluene	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,1,1-Trichloroethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
1,1,2-Trichloroethane	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Trichloroethene (Trichloroethylene)	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0
Vinyl chloride	2.0	U	2.0	UJ	2.0	UJ	2.0	2.0
Xylenes (total)	1.0	U	1.0	UJ	1.0	UJ	1.0	1.0

Ground Water

Location	USW13	USW16	USW19
Date	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG
Units	µg/L	µg/L	µg/L
VOLATILE ORGANICS			
Acetone	10 UJ	10 UJ	10 UJ
Benzene	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U
Bromomethane	2.0 U	2.0 U	2.0 U
2-Butanone	5.0 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U
Chloroethane	2.0 U	2.0 U	2.0 U
Chloroform	1.0 U	1.0 U	1.0 U
Chloromethane	2.0 U	2.0 U	2.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	5.0 U	5.0 U	5.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U
Tetrachloroethene (Tetrachloroethylene)	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U
Trichloroethene (Trichloroethylene)	1.0 U	1.0 U	1.0 U
Vinyl chloride	2.0 U	2.0 U	2.0 U
Xylenes (total)	1.0 U	1.0 U	1.0 U

Surface Water

Location	9MW1 12/17/96 REG µg/L	9MW3 12/18/96 REG µg/L	9MW7 12/18/96 REG µg/L	BLD3 12/18/96 REG µg/L	BLD3 12/18/96 DUP µg/L	PG-201 12/17/96 REG µg/L	PG-501 12/18/96 REG µg/L	USW02 12/17/96 REG µg/L
Date								
Sample Type								
Units								
SEMIVOLATILE ORGANICS								
Acenaphthene	11	10	10	11	11	11	9.8	11
Acenaphthylene	11	10	10	11	11	11	9.8	11
Anthracene	11	10	10	11	11	11	9.8	11
Benzo(a)anthracene	11	10	10	11	11	11	9.8	11
Benzo(a)pyrene	11	10	10	11	11	11	9.8	11
Benzo(b)fluoranthene	11	10	10	11	11	11	9.8	11
Benzo(g,h,i)perylene	11	10	10	11	11	11	9.8	11
Benzo(k)fluoranthene	11	10	10	11	11	11	9.8	11
Bis(2-chloroethoxy) methane	11	10	10	11	11	11	9.8	11
Bis(2-chloroethyl) ether	11	10	10	11	11	11	9.8	11
Bis(2-chloroisopropyl) ether	11	10	10	11	11	11	9.8	11
Bis(2-ethylhexyl) phthalate	11	10	10	11	11	31	9.8	11
4-Bromophenyl phenyl ether	11	10	10	11	11	11	9.8	11
Butyl benzyl phthalate	11	10	10	11	11	11	9.8	11
Carbazole	11	10	10	11	11	11	9.8	11
4-Chloro-3-methylphenol	11	10	10	11	11	11	9.8	11
4-Chloroaniline	11	10	10	11	11	11	9.8	11
2-Chloronaphthalene	11	10	10	11	11	11	9.8	11
2-Chlorophenol	11	10	10	11	11	11	9.8	11
4-Chlorophenyl phenyl ether	11	10	10	11	11	11	9.8	11
Chrysene	11	10	10	11	11	11	9.8	11
Cresols, m & p	11	10	10	--	11	--	9.8	--
Di-n-butyl phthalate	11	10	10	11	11	11	9.8	11
Di-n-octyl phthalate	11	10	10	11	11	11	9.8	11
Dibenz(a,h)anthracene	11	10	10	11	11	11	9.8	11
Dibenzofuran	11	10	10	11	11	11	9.8	11
1,2-Dichlorobenzene	11	10	10	11	11	11	9.8	11
1,3-Dichlorobenzene	11	10	10	11	11	11	9.8	11
1,4-Dichlorobenzene	11	10	10	11	11	11	9.8	11
3,3'-Dichlorobenzidine	53	50	52	53	53	55	49	56
2,4-Dichlorophenol	11	10	10	11	11	11	9.8	11
Diethyl phthalate	11	10	10	11	11	11	9.8	11
Dimethyl phthalate	11	10	10	11	11	11	9.8	11
2,4-Dimethylphenol	53	50	52	53	53	55	49	56
4,6-Dinitro-2-methylphenol	53	50	52	53	53	55	49	56
2,4-Dinitrophenol	53	50	52	53	53	55	49	56

Ground Water

Location	9MW1 12/17/96 REG µg/L	9MW3 12/18/96 REG µg/L	9MW7 12/18/96 REG µg/L	BLD3 12/18/96 REG µg/L	BLD3 12/18/96 DUP µg/L	PG-201 12/17/96 REG µg/L	PG-501 12/18/96 REG µg/L	USW02 12/17/96 REG µg/L
SEMIVOLATILE ORGANICS								
2,4-Dinitrotoluene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2,6-Dinitrotoluene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Fluoranthene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Fluorene	11 UR	10 UR	10 UR	11 UR	11 UR	11 UR	9.8 UR	11 UR
Hexachlorobenzene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Hexachlorobutadiene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Hexachlorocyclopentadiene	53 UJ	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
Hexachloroethane	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Indeno(1,2,3-c,d)pyrene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Isophorone	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2-Methylnaphthalene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2-Methylphenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
4-Methylphenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Naphthalene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2-Nitroaniline	53 UJ	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
3-Nitroaniline	53 U	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
4-Nitroaniline	53 U	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
Nitrobenzene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2-Nitrophenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
4-Nitrophenol	53 U	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
N-Nitrosodi-n-propylamine	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
N-Nitrosodiphenylamine	11 UR	10 UR	10 UR	11 UR	11 UR	11 UR	9.8 UR	11 UR
Pentachlorophenol	53 U	50 UJ	52 UJ	53 UJ	53 UJ	55 UJ	49 UJ	56 UJ
Phenanthrene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Phenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
Pyrene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
1,2,4-Trichlorobenzene	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2,4,5-Trichlorophenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U
2,4,6-Trichlorophenol	11 U	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	9.8 UJ	11 U

Surface Water

Location	USW13	USW16	USW19
Date	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG
Units	µg/L	µg/L	µg/L
SEMIVOLATILE ORGANICS			
Acenaphthene	11	U	9.9 U
Acenaphthylene	11	U	9.9 U
Anthracene	11	U	9.9 U
Benzo(a)anthracene	11	U	9.9 U
Benzo(a)pyrene	11	U	9.9 U
Benzo(b)fluoranthene	11	U	9.9 U
Benzo(g,h,i)perylene	11	U	9.9 UJ
Benzo(k)fluoranthene	11	U	9.9 U
Bis(2-chloroethoxy) methane	11	U	9.9 U
Bis(2-chloroethyl) ether	11	U	9.9 U
Bis(2-chloroisopropyl) ether	11	UJ	9.9 UJ
Bis(2-ethylhexyl) phthalate	11	U	9.9 U
4-Bromophenyl phenyl ether	11	U	9.9 U
Butyl benzyl phthalate	11	U	9.9 U
Carbazole	11	U	9.9 U
4-Chloro-3-methylphenol	11	U	9.9 U
4-Chloroaniline	11	U	9.9 U
2-Chloronaphthalene	11	U	9.9 U
2-Chlorophenol	11	U	9.9 U
4-Chlorophenyl phenyl ether	11	UJ	9.9 UJ
Chrysene	11	U	9.9 U
Cresols, m & p	11	U	--
Di-n-butyl phthalate	11	U	9.9 U
Di-n-octyl phthalate	11	U	9.9 U
Dibenz(a,h)anthracene	11	U	9.9 U
Dibenzofuran	11	U	9.9 U
1,2-Dichlorobenzene	11	U	9.9 U
1,3-Dichlorobenzene	11	U	9.9 U
1,4-Dichlorobenzene	11	U	9.9 U
3,3'-Dichlorobenzidine	56	UJ	50 U
2,4-Dichlorophenol	11	U	9.9 U
Diethyl phthalate	11	UR	9.9 UR
Dimethyl phthalate	11	U	9.9 U
2,4-Dimethylphenol	11	U	9.9 U
4,6-Dinitro-2-methylphenol	56	U	50 U
2,4-Dinitrophenol	56	U	50 U

Ground Water

Location	USW13	USW16	USW19
Date	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG
Units	µg/L	µg/L	µg/L
SEMIVOLATILE ORGANICS			
2,4-Dinitrotoluene	11 U	11 U	9.9 U
2,6-Dinitrotoluene	11 U	11 U	9.9 U
Fluoranthene	11 U	11 U	9.9 U
Fluorene	11 UR	11 UR	9.9 UR
Hexachlorobenzene	11 U	11 U	9.9 U
Hexachlorobutadiene	11 U	11 U	9.9 U
Hexachlorocyclopentadiene	56 UJ	54 UJ	50 UJ
Hexachloroethane	11 U	11 U	9.9 U
Indeno(1,2,3-c,d)pyrene	11 U	11 U	9.9 U
Isophorone	11 U	11 U	9.9 U
2-Methylnaphthalene	11 U	11 U	9.9 U
2-Methylphenol	11 U	11 U	9.9 U
4-Methylphenol	11 U	11 U	9.9 U
Naphthalene	11 U	11 U	9.9 U
2-Nitroaniline	56 UJ	54 UJ	50 U
3-Nitroaniline	56 U	54 U	50 U
4-Nitroaniline	56 U	54 U	50 U
Nitrobenzene	11 U	11 U	9.9 U
2-Nitrophenol	11 U	11 U	9.9 U
4-Nitrophenol	56 U	54 UR	50 U
N-Nitrosodi-n-propylamine	11 U	11 U	9.9 U
N-Nitrosodiphenylamine	11 UR	11 U	9.9 UR
Pentachlorophenol	56 U	54 U	50 U
Phenanthrene	11 U	11 U	9.9 U
Phenol	11 U	11 U	9.9 U
Pyrene	11 U	11 U	9.9 U
1,2,4-Trichlorobenzene	11 U	11 U	9.9 U
2,4,5-Trichlorophenol	11 U	11 U	9.9 U
2,4,6-Trichlorophenol	11 U	11 U	9.9 U

Surface Water

Location	9MW1	9MW3	9MW7	BLD3	BLD3	PG-201	PG-501	USW02
Begin Depth (feet)	10.2	17.8	23.0	6.0	6.0	28.0	20.0	26.65
End Depth (feet)	20.7	28.3	44.5	11.0	11.0	29.0	45.0	31.65
Date	12/17/96	12/18/96	12/18/96	12/18/96	12/18/96	12/17/96	12/18/96	12/17/96
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	REG	REG	REG	REG	DUP	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
Arochlor 1016	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1221	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1232	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1242	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1248	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1254	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
Arochlor 1260	1.1 U	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.2 U
alpha BHC	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
beta BHC	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
delta BHC	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
gamma BHC (Lindane)	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
alpha-Chlordane	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
gamma-Chlordane	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
4,4'-DDD	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
4,4'-DDE	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
4,4'-DDT	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Dieldrin	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Endosulfan I	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
Endosulfan II	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Endosulfan sulfate	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Endrin	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Endrin ketone	0.11 U	0.10 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11 UJ	0.12 U
Heptachlor	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
Heptachlor epoxide	0.054 U	0.052 UJ	0.056 UJ	0.055 UJ	0.056 UJ	0.056 U	0.054 UJ	0.058 U
Methoxychlor	0.54 U	0.52 UJ	0.56 UJ	0.55 UJ	0.56 UJ	0.56 U	0.54 UJ	0.58 U
Toxaphene	5.4 U	5.2 UJ	5.6 UJ	5.5 UJ	5.6 UJ	5.6 U	5.4 UJ	5.8 U

Ground Water

Location	USW13	USW16	USW19
Begin Depth (feet)	11.65	17.0	20.4
End Depth (feet)	16.65	20.0	30.4
Date	12/17/96	12/17/96	12/17/96
Units	ug/L	ug/L	ug/L
Sample Type	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS			
Aldrin	0.049 U	0.060 U	0.058 U
Arochlor 1016	0.98 U	1.2 U	1.2 U
Arochlor 1221	0.98 U	1.2 U	1.2 U
Arochlor 1232	0.98 U	1.2 U	1.2 U
Arochlor 1242	0.98 U	1.2 U	1.2 U
Arochlor 1248	0.98 U	1.2 U	1.2 U
Arochlor 1254	0.98 U	1.2 U	1.2 U
Arochlor 1260	0.98 U	1.2 U	1.2 U
alpha BHC	0.049 U	0.060 U	0.058 U
beta BHC	0.049 U	0.060 U	0.058 U
delta BHC	0.049 U	0.060 U	0.058 U
gamma BHC (Lindane)	0.049 U	0.060 U	0.058 U
alpha-Chlordane	0.049 U	0.060 U	0.058 U
gamma-Chlordane	0.049 U	0.060 U	0.058 U
4,4'-DDD	0.098 U	0.12 U	0.12 U
4,4'-DDE	0.098 U	0.12 U	0.12 U
4,4'-DDT	0.098 U	0.12 U	0.12 U
Dieldrin	0.098 U	0.12 U	0.12 U
Endosulfan I	0.049 U	0.060 U	0.058 U
Endosulfan II	0.098 U	0.12 U	0.12 U
Endosulfan sulfate	0.098 U	0.12 U	0.12 U
Endrin	0.098 U	0.12 U	0.12 U
Endrin ketone	0.098 U	0.12 U	0.12 U
Heptachlor	0.049 U	0.060 U	0.058 U
Heptachlor epoxide	0.050 U	0.060 U	0.058 U
Methoxychlor	0.49 U	0.60 U	0.58 U
Toxaphene	4.9 U	6.0 U	5.8 U

Surface Water

Location	9MW1	9MW3	9MW7	BLD3	BLD3	PG-201	PG-501	USW02
Date	12/17/96	12/18/96	12/18/96	12/18/96	12/18/96	12/17/96	12/18/96	12/17/96
Sample Type	REG	REG	REG	REG	DUP	REG	REG	REG
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
METALS (unfiltered)								
Aluminum	0.24	0.10	0.10	0.10	0.21	0.24	0.10	0.67
Antimony	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
Arsenic	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Barium	0.098	0.72	0.17	0.071	0.068	0.13	0.23	0.30
Beryllium	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
Cadmium	0.0050	0.0050	0.0050	0.0050	0.0050	0.0083	0.0050	0.0050
Calcium	54.7	113	134	110	110	121	129	114
Chromium	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Cobalt	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Copper	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Iron	0.90	3.4	4.6	0.25	0.28	2.6	3.2	2.3
Lead	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Magnesium	16.5	44.0	46.2	45.7	44.8	40.9	44.1	44.8
Manganese	0.22	0.073	0.17	1.8	1.7	0.070	0.057	0.048
Molybdenum	0.020	0.020	0.022	0.020	0.020	0.020	0.020	0.020
Nickel	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Potassium	5.0	5.0	5.0	5.0	5.0	5.0	5.0	18.1
Selenium	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Silver	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Sodium	5.0	23.8	17.3	45.9	45.0	11.7	5.1	20.1
Thallium	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Vanadium	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Zinc	0.020	0.020	0.020	0.020	0.020	0.059	0.020	0.027

Ground Water

Location	USW13	USW16	USW19
Date	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG
Units	mg/L	mg/L	mg/L
METALS (unfiltered)			
Aluminum	0.10 U	0.10 U	0.10 U
Antimony	0.060 U	0.060 U	0.060 U
Arsenic	0.10 U	0.10 U	0.10 U
Barium	0.049 U	0.095	0.079
Beryllium	0.0020 U	0.0020 U	0.0020 U
Cadmium	0.0050 U	0.0050 U	0.0050 U
Calcium	267	101	93.8
Chromium	0.010 U	1.4	0.010 U
Cobalt	0.010 U	0.010 U	0.010 U
Copper	0.020 U	0.020 U	0.020 U
Iron	0.31	0.10 U	1.6
Lead	0.050 U	0.050 U	0.050 U
Magnesium	107	38.0	33.4
Manganese	5.0	0.020	0.059
Molybdenum	0.020 U	0.020 U	0.046
Nickel	0.040 U	0.040 U	0.040 U
Potassium	5.0 U	5.0 U	5.0 U
Selenium	0.20 U	0.20 U	0.20 U
Silver	0.010 U	0.010 U	0.010 U
Sodium	26.5	8.8	5.0 U
Thallium	2.0 U	2.0 U	2.0 U
Vanadium	0.010 U	0.010 U	0.010 U
Zinc	0.020 U	0.020 U	0.020 U

Surface Water

Location	9MW1	9MW3	9MW7	BLD3	BLD3	PG-201	PG-501	USW02
Date	12/17/96	12/18/96	12/18/96	12/18/96	12/18/96	12/17/96	12/18/96	12/17/96
Sample Type	REG	REG	REG	REG	DUP	REG	REG	REG
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANIONS								
Chloride	1.6	23.8	55.8	64.9	63.7	12.5	10.8	17.5
Fluoride	0.50	0.84	0.50	0.50	0.50	1.0	1.0	0.58
Nitrogen, nitrate (as N)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Phosphorus, total orthophosphate (as P)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Sulfate	27.3	2.9	104	128	127	154	103	49.1

Location	USW13	USW16	USW19
Date	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG
Units	mg/L	mg/L	mg/L
ANIONS			
Chloride	14.1	2.0	3.1
Fluoride	2.5	0.50	0.71
Nitrogen, nitrate (as N)	0.50	5.8	0.50
Phosphorus, total orthophosphate (as P)	1.0	0.50	0.50
Sulfate	819	144	76.9

Location	BLD3	PG-201	USW02	USW16	USW19
Date	12/18/96	12/17/96	12/17/96	12/17/96	12/17/96
Sample Type	REG	REG	REG	REG	REG
Units	mg/L	mg/L	mg/L	mg/L	mg/L
CYANIDE					
Cyanide	0.010	0.010	0.010	0.010	0.010

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOLATILE ORGANICS								
Acetone	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Butanone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.5 U	1.6 U	1.0 U	1.0 U	1.0 U
Chloromethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.6 U
trans-1,2-Dichloroethene	--	0.50 U	0.50 U	0.50 U	--	0.50 U	--	--
cis-1,2-Dichloroethene	--	0.50 U	0.50 U	0.50 U	--	0.50 U	--	--
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene (Tetrachloroethylene)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trichloroethene (Trichloroethylene)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2 U	1.2 U
Vinyl chloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE ORGANICS								
Acenaphthene	11	9.7	9.6	9.8	11	11	9.8	9.8
Acenaphthylene	11	9.7	9.6	9.8	11	11	9.8	9.8
Anthracene	11	9.7	9.6	9.8	11	11	9.8	9.8
Benzo(a)anthracene	11	9.7	9.6	9.8	11	11	9.8	9.8
Benzo(a)pyrene	11	9.7	9.6	9.8	11	11	9.8	9.8
Benzo(b)fluoranthene	11	9.7	9.6	9.8	11	11	9.8	9.8
Benzo(g,h,i)perylene	11	9.7	9.6	9.8	11	11	9.8	9.8
Benzo(k)fluoranthene	11	9.7	9.6	9.8	11	11	9.8	9.8
Bis(2-chloroethoxy) methane	11	9.7	9.6	9.8	11	11	9.8	9.8
Bis(2-chloroethyl) ether	11	9.7	9.6	9.8	11	11	9.8	9.8
Bis(2-chloroisopropyl) ether	11	9.7	9.6	9.8	11	11	9.8	9.8
Bis(2-ethylhexyl) phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Bromophenyl phenyl ether	11	9.7	9.6	9.8	11	11	9.8	9.8
Butyl benzyl phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
Carbazole	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Chloro-3-methylphenol	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Chloroaniline	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Chloronaphthalene	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Chlorophenol	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Chlorophenyl phenyl ether	11	9.7	9.6	9.8	11	11	9.8	9.8
Chrysene	11	9.7	9.6	9.8	11	11	9.8	9.8
Cresols, m & p	11	9.7	9.6	9.8	11	11	9.8	9.8
Di-n-butyl phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
Di-n-octyl phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
Dibenz(a,h)anthracene	11	9.7	9.6	9.8	11	11	9.8	9.8
Dibenzofuran	11	9.7	9.6	9.8	11	11	9.8	9.8
1,2-Dichlorobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
1,3-Dichlorobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
1,4-Dichlorobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
3,3'-Dichlorobenzidine	54	48	48	49	54	55	49	49
2,4-Dichlorophenol	11	9.7	9.6	9.8	11	11	9.8	9.8
Diethyl phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
Dimethyl phthalate	11	9.7	9.6	9.8	11	11	9.8	9.8
2,4-Dimethylphenol	11	9.7	9.6	9.8	11	11	9.8	9.8
4,6-Dinitro-2-methylphenol	54	48	48	49	54	55	49	49
2,4-Dinitrophenol	54	48	48	49	54	55	49	49

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SEMIVOLATILE ORGANICS								
2,4-Dinitrotoluene	11	9.7	9.6	9.8	11	11	9.8	9.8
2,6-Dinitrotoluene	11	9.7	9.6	9.8	11	11	9.8	9.8
Fluoranthene	11	9.7	9.6	9.8	11	11	9.8	9.8
Fluorene	11	9.7	9.6	9.8	11	11	9.8	9.8
Hexachlorobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
Hexachlorobutadiene	11	9.7	9.6	9.8	11	11	9.8	9.8
Hexachlorocyclopentadiene	54	48	48	49	54	55	49	49
Hexachloroethane	11	9.7	9.6	9.8	11	11	9.8	9.8
Indeno(1,2,3-c,d)pyrene	11	9.7	9.6	9.8	11	11	9.8	9.8
Isophorone	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Methylnaphthalene	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Methylphenol	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Methylphenol	11	9.7	9.6	9.8	11	11	9.8	9.8
Naphthalene	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Nitroaniline	54	48	48	49	54	55	49	49
3-Nitroaniline	54	48	48	49	54	55	49	49
4-Nitroaniline	54	48	48	49	54	55	49	49
Nitrobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
2-Nitrophenol	11	9.7	9.6	9.8	11	11	9.8	9.8
4-Nitrophenol	54	48	48	49	54	55	49	49
N-Nitrosodi-n-propylamine	11	9.7	9.6	9.8	11	11	9.8	9.8
N-Nitrosodiphenylamine	11	9.7	9.6	9.8	11	11	9.8	9.8
Pentachlorophenol	54	48	48	49	54	55	49	49
Phenanthrene	11	9.7	9.6	9.8	11	11	9.8	9.8
Phenol	11	9.7	9.6	9.8	11	11	9.8	9.8
Pyrene	11	9.7	9.6	9.8	11	11	9.8	9.8
1,2,4-Trichlorobenzene	11	9.7	9.6	9.8	11	11	9.8	9.8
2,4,5-Trichlorophenol	11	9.7	9.6	9.8	11	11	9.8	9.8
2,4,6-Trichlorophenol	11	9.7	9.6	9.8	11	11	9.8	9.8

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
Arochlor 1016	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1221	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1232	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1242	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1248	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1254	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
Arochlor 1260	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	1.0 U	0.99 U	0.98 U
alpha BHC	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
beta BHC	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
delta BHC	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
gamma BHC (Lindane)	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
alpha-Chlordane	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
gamma-Chlordane	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
4,4'-DDD	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
4,4'-DDE	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
4,4'-DDT	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Dieldrin	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Endosulfan I	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
Endosulfan II	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Endosulfan sulfate	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Endrin	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Endrin ketone	0.11 U	0.098 U	0.098 U	0.098 U	0.098 U	0.10 U	0.099 U	0.098 U
Heptachlor	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
Heptachlor epoxide	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U	0.050 U	0.050 U	0.049 U
Methoxychlor	0.54 U	0.49 U	0.49 U	0.49 U	0.49 U	0.50 U	0.50 U	0.49 U
Toxaphene	5.4 U	4.9 U	4.9 U	4.9 U	4.9 U	5.0 U	5.0 U	4.9 U

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
METALS (unfiltered)								
Aluminum	0.10	0.17	0.10	0.12	0.11	0.10	0.10	0.10
Antimony	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
Arsenic	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Barium	0.11	0.11	0.072	0.094	0.087	0.083	0.078	0.079
Beryllium	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
Cadmium	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Calcium	131	125	82.0	98.9	96.3	105	101	101
Chromium	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Cobalt	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Copper	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Iron	0.21	0.41	0.25	0.43	0.31	0.30	0.20	0.23
Lead	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Magnesium	33.8	31.3	23.5	27.3	27.0	29.2	28.2	28.4
Manganese	0.045	0.079	0.20	0.14	0.13	0.080	0.046	0.044
Molybdenum	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Nickel	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Potassium	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Selenium	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Silver	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Sodium	44.9	39.9	34.3	35.7	37.6	73.7	34.6	34.1
Thallium	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Vanadium	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Zinc	0.025	0.030	0.051	0.047	0.041	0.020	0.020	0.020

Surface Water

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANIONS								
Chloride	80.3	73.5	73.2	73.7	78.0	121	53.6	41.9
Fluoride	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nitrogen, nitrate (as N)	24.3	20.9	6.2	9.1	8.5	4.5	2.0	1.5
Phosphorus, total orthophosphate (as P)	0.50 UJ	--	0.50 UJ	--	--	0.50 UJ	--	--
Sulfate	89.9	84.1	72.2	76.5	78.8	65.3	56.9	56.1
Phosphorus, total orthophosphate (as P)	--	0.13 J	--	0.12 J	0.16 J	--	0.12 J	0.11 J

Location	MR01	MR05	TR02	TR02
Date	12/10/96	12/10/96	12/10/96	12/10/96
Sample Type	REG	REG	REG	REP
Units	mg/L	mg/L	mg/L	mg/L
CYANIDE				
Cyanide	0.010 U	0.010 U	0.010 U	0.010 U

Streambed sediment

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
VOLATILE ORGANICS								
Acetone	0.020 UJ	0.020 UR	0.037 J	0.050 UR	0.020 UR	0.071 J	0.057 J	0.052 J
Benzene	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Bromodichloromethane	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Bromoform	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Bromomethane	0.010 U	0.010 U	0.010 U	0.025 U	0.010 U	0.020 U	0.010 U	0.010 U
2-Butanone	0.020 UR	0.020 UR	0.020 UR	0.050 UR	0.020 UR	0.040 UR	0.020 UR	0.020 UR
Carbon disulfide	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Carbon tetrachloride	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Chlorobenzene	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Chloroethane	0.010 U	0.010 U	0.010 U	0.025 U	0.010 UJ	0.020 U	0.010 U	0.010 U
Chloroform	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Chloromethane	0.010 U	0.010 U	0.010 U	0.025 U	0.010 UJ	0.020 U	0.010 U	0.010 U
Dibromochloromethane	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,1-Dichloroethane	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,2-Dichloroethane	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,1-Dichloroethene	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,2-Dichloroethene (total)	0.0050 U	0.0050 U	0.0056 J	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,2-Dichloropropane	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
cis-1,3-Dichloropropene	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
trans-1,3-Dichloropropene	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Ethylbenzene	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
2-Hexanone	0.020 UR	0.020 UR	0.020 UR	0.050 UR	0.020 UR	0.040 UR	0.020 UR	0.020 UR
4-Methyl-2-pentanone	0.020 UJ	0.020 UJ	0.020 UJ	0.050 UJ	0.020 UJ	0.040 UJ	0.020 UJ	0.020 UJ
Methylene chloride	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Styrene	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,1,2,2-Tetrachloroethane	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Tetrachloroethene (Tetrachloroethylene)	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Toluene	0.0050 U	0.0050 U	0.0050 UJ	0.15 J	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,1,1-Trichloroethane	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
1,1,2-Trichloroethane	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Trichloroethene (Trichloroethylene)	0.0050 U	0.0050 U	0.0050 U	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U
Vinyl chloride	0.010 U	0.010 U	0.010 U	0.025 U	0.010 U	0.020 U	0.010 U	0.010 U
Xylenes (total)	0.0050 U	0.0050 U	0.0050 UJ	0.012 U	0.0050 U	0.010 U	0.0050 U	0.0050 U

Streambed sediment

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
SEMIVOLATILE ORGANICS								
Acenaphthene	1.6	U	57	88	16	U	1.6	U
Acenaphthylene	1.6	U	33	82	16	U	1.6	U
Anthracene	1.6	U	84	150	16	U	1.6	U
Benzo(a)anthracene	4.7	2.4	200	290	32	U	1.6	U
Benzo(a)pyrene	5.8	3.7	150	210	27	U	1.6	U
Benzo(b)fluoranthene	7.4	4.4	140	190	24	U	1.6	U
Benzo(g,h,i)perylene	5.2	3.2	72	88	16	U	1.6	U
Benzo(k)fluoranthene	7.4	5.2	130	210	27	U	1.6	U
Bis(2-chloroethoxy) methane	1.6	U	33	82	16	U	1.6	U
Bis(2-chloroethyl) ether	1.6	U	33	82	16	U	1.6	U
Bis(2-chloroisopropyl) ether	1.6	UR	33	82	16	UR	1.6	UR
Bis(2-ethylhexyl) phthalate	1.6	U	33	82	16	U	1.6	U
4-Bromophenyl phenyl ether	1.6	U	33	82	16	U	1.6	U
Butyl benzyl phthalate	1.6	U	33	82	16	U	1.6	U
Carbazole	1.6	U	85	140	16	U	1.6	U
4-Chloro-3-methylphenol	1.6	U	33	82	16	U	1.6	U
4-Chloroaniline	1.6	U	33	82	16	U	1.6	U
2-Chloronaphthalene	1.6	U	33	82	16	U	1.6	U
2-Chlorophenol	1.6	U	33	82	16	U	1.6	U
4-Chlorophenyl phenyl ether	1.6	0.14	2.9	7.2	1.4	0.14	0.14	U
Chrysene	10	5.8	230	350	42	U	1.6	U
Di-n-butyl phthalate	1.6	U	33	82	16	U	1.6	U
Di-n-octyl phthalate	1.6	U	33	82	16	U	1.6	U
Dibenz(a,h)anthracene	2.0	1.6	33	82	16	U	1.6	U
Dibenzofuran	1.6	U	53	86	16	U	1.6	U
1,2-Dichlorobenzene	1.6	U	33	82	16	U	1.6	U
1,3-Dichlorobenzene	1.6	U	33	82	16	U	1.6	U
1,4-Dichlorobenzene	1.6	UJ	33	82	16	UJ	1.6	UJ
3,3'-Dichlorobenzidine	8.0	U	160	400	80	U	8.0	U
2,4-Dichlorophenol	1.6	U	33	82	16	U	1.6	U
Diethyl phthalate	1.6	U	33	82	16	U	1.6	U
Dimethyl phthalate	1.6	U	33	82	16	U	1.6	U
2,4-Dimethylphenol	1.6	U	33	82	16	U	1.6	U
4,6-Dinitro-2-methylphenol	8.0	UR	160	400	80	UR	8.0	UR

Streambed sediment

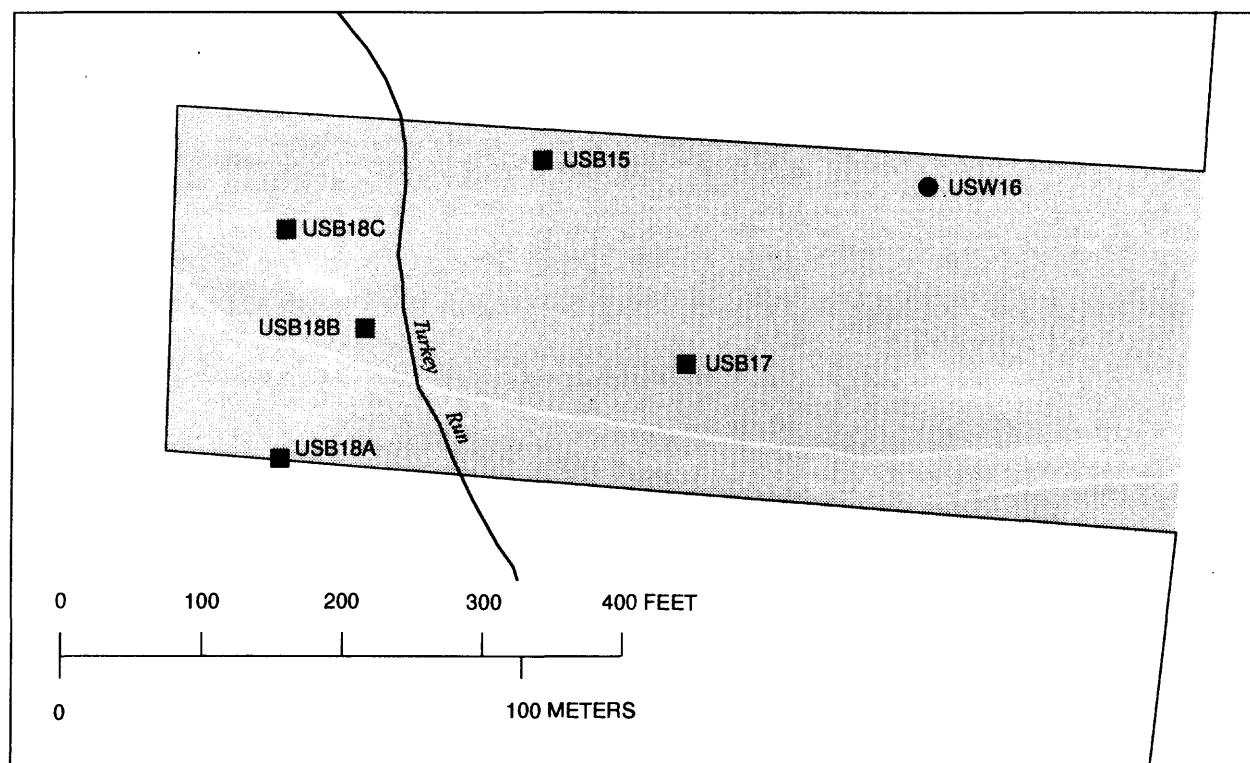
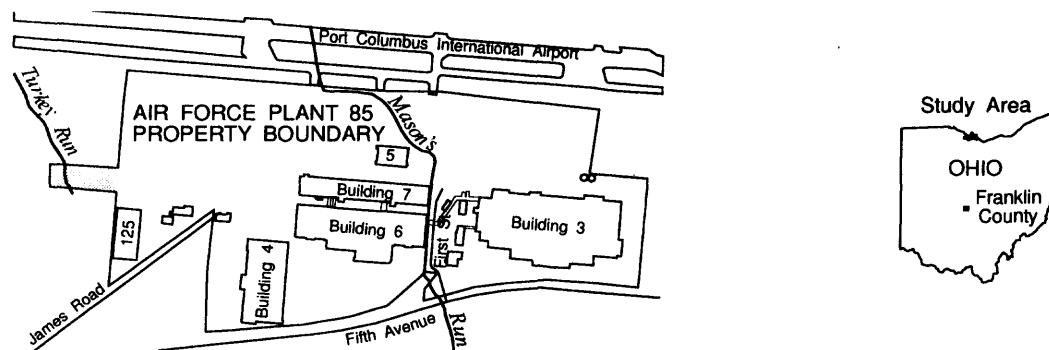
Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REP
SEMIVOLATILE ORGANICS								
2,4-Dinitrophenol	8.0	8.0	160	400	80	8.0	8.0	8.0
2,4-Dinitrotoluene	1.6	1.6	33	82	16	1.7	1.6	1.6
2,6-Dinitrotoluene	1.6	1.6	33	82	16	1.7	1.6	1.6
Fluoranthene	13	7.0	530	860	98	2.8	2.1	1.6
Fluorene	1.6	0.21	61	95	2.1	0.21	0.21	1.6
Hexachlorobenzene	1.6	1.6	33	82	16	1.7	1.6	1.6
Hexachlorobutadiene	1.6	1.6	33	82	16	1.7	1.6	1.6
Hexachlorocyclopentadiene	8.0	8.0	160	400	80	8.0	8.0	8.0
Hexachloroethane	1.6	1.6	33	82	16	1.7	1.6	1.6
Indeno(1,2,3-c,d)pyrene	5.0	3.1	78	99	16	1.7	1.6	1.6
Isophorone	1.6	1.6	33	82	16	1.7	1.6	1.6
2-Methylnaphthalene	1.6	1.6	33	82	16	1.7	1.6	1.6
2-Methylphenol	1.6	1.6	33	82	16	1.7	1.6	1.6
4-Methylphenol	1.6	1.6	33	82	16	1.7	1.6	1.6
Naphthalene	1.6	1.6	33	82	16	1.7	1.6	1.6
2-Nitroaniline	8.0	8.0	160	400	80	8.0	8.0	8.0
3-Nitroaniline	8.0	8.0	160	400	80	8.0	8.0	8.0
4-Nitroaniline	8.0	8.0	160	400	80	8.0	8.0	8.0
Nitrobenzene	1.6	1.6	33	82	16	1.7	1.6	1.6
2-Nitrophenol	1.6	1.6	33	82	16	1.7	1.6	1.6
4-Nitrophenol	8.0	8.0	160	400	80	8.0	8.0	8.0
N-Nitrosodi-n-propylamine	1.6	1.6	33	82	16	1.7	1.6	1.6
N-Nitrosodiphenylamine	1.6	1.6	33	82	16	1.7	1.6	1.6
Pentachlorophenol	8.0	8.0	160	400	80	8.0	8.0	8.0
Phenanthrene	3.6	1.9	510	900	94	1.7	1.6	1.6
Phenol	1.6	1.6	33	82	16	1.7	1.6	1.6
Pyrene	11	6.2	410	640	76	2.5	2.1	1.6
1,2,4-Trichlorobenzene	1.6	1.6	33	82	16	1.7	1.6	1.6
2,4,5-Trichlorophenol	1.6	1.6	33	82	16	1.7	1.6	1.6
2,4,6-Trichlorophenol	1.6	1.6	33	82	16	1.7	1.6	1.6

Streambed sediment

Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
PESTICIDES AND POLYCHLORINATED BIPHENYLS								
Aldrin	0.0085 U	0.0068 U	0.34 U	0.17 U	0.068 U	0.0043 J	0.0057	0.0068 UR
Arochlor 1016	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1221	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1232	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1242	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1248	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1254	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
Arochlor 1260	0.16 U	0.13 UJ	6.6 U	3.3 U	1.3 U	0.033 UJ	0.033 U	0.13 UR
alpha BHC	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
beta BHC	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
delta BHC	0.0085 U	0.0068 U	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
gamma BHC (Lindane)	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
alpha-Chlordane	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
gamma-Chlordane	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0030 J	0.0017 U	0.0068 UR
4,4'-DDD	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
4,4'-DDE	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
4,4'-DDT	0.016 U	0.013 U	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
Dieldrin	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
Endosulfan I	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
Endosulfan II	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
Endosulfan sulfate	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.014 J	0.017	0.013 UR
Endrin	0.016 U	0.013 UJ	0.66 U	0.33 U	0.13 U	0.0033 UJ	0.0033 U	0.013 UR
Endrin ketone	0.016 U	0.013 UJ	0.66 U	1.0	0.13 U	0.0033 UJ	0.0039	0.013 UR
Heptachlor	0.0085 U	0.0068 UJ	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
Heptachlor epoxide	0.0085 U	0.0068 U	0.34 U	0.17 U	0.068 U	0.0017 UJ	0.0017 U	0.0068 UR
Methoxychlor	0.085 U	0.068 U	3.4 U	1.7 U	0.68 U	0.017 UJ	0.017 U	0.068 UR
Toxaphene	0.85 U	0.68 UJ	34 U	17 U	6.8 U	0.17 UJ	0.17 U	0.68 UR

Streambed sediment

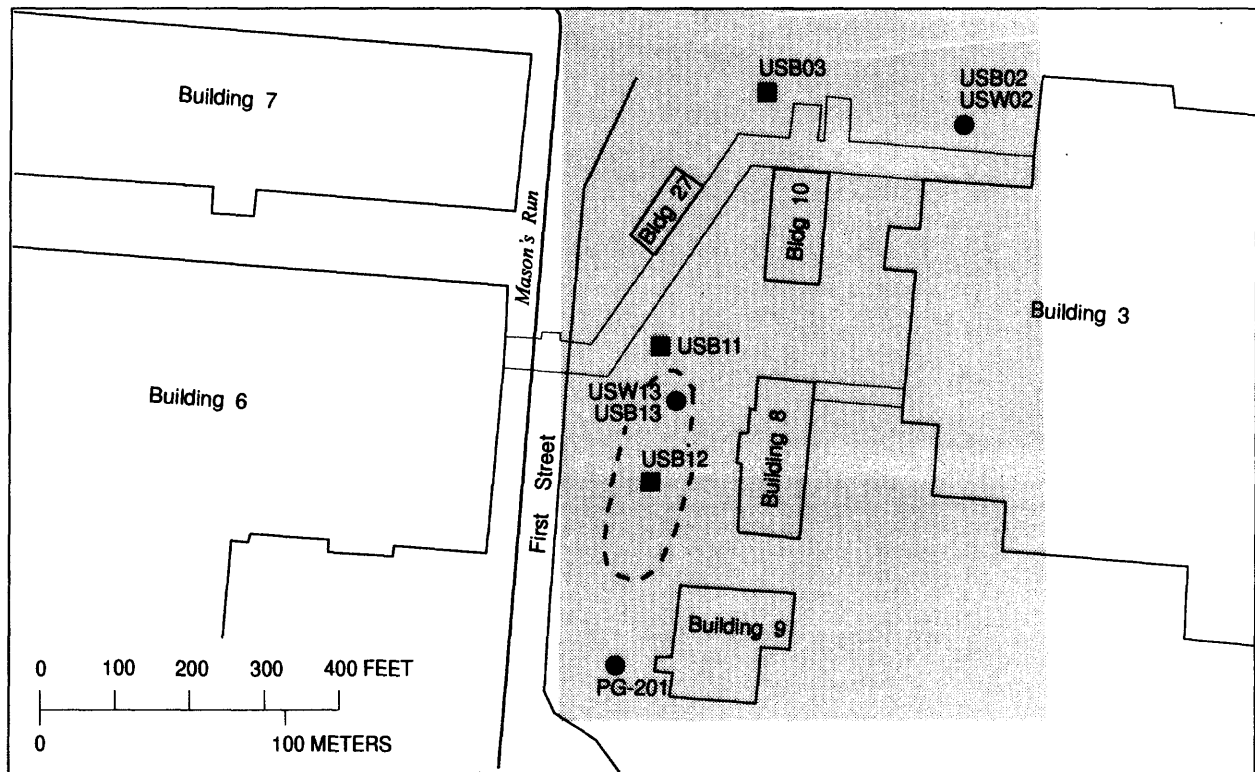
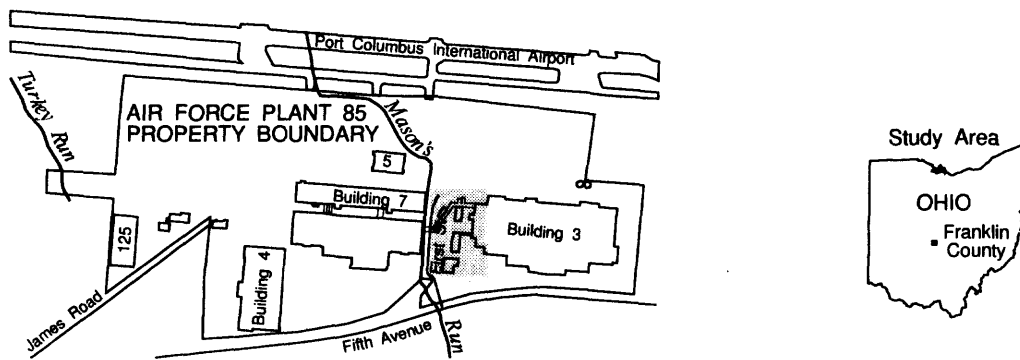
Location	MR01	MR02	MR03	MR04	MR05	TR01	TR02	TR02
Begin Depth (feet)	0	0	0	0	0	0	0	0
End Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96	12/10/96
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG
METALS								REP
Aluminum	3570	3260	3340	2480	2350	4190	4330	4070
Antimony	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Arsenic	10.0	10.7	14.2	11.0	11.6	10.0	10.0	10.0
Barium	77.0	53.0	70.7	37.5	51.7	64.8	73.3	66.4
Beryllium	0.27	0.27	0.31	0.22	0.27	0.33	0.38	0.38
Cadmium	1.4	0.92	2.2	1.3	0.81	0.74	0.84	0.97
Calcium	45900	22200	75000	71000	91500	29600	38600	32200
Chromium	8.2	7.9	58.0	111	13.5	9.5	9.6	8.8
Cobalt	6.0	4.5	5.5	4.3	4.8	4.4	4.4	3.9
Copper	28.8	29.5	67.6	41.3	22.4	20.2	24.4	20.4
Iron	11400	9640	16900	12800	11400	10700	10900	9560
Lead	27.0	24.9	116	439	57.1	24.6	30.7	26.1
Magnesium	12100	6350	15000	17400	20600	5200	5680	5020
Manganese	359	189	282	242	238	195	172	152
Molybdenum	4.5	3.6	6.7	4.2	4.4	3.4	3.2	2.7
Nickel	17.0	14.9	19.6	12.2	12.1	14.7	14.8	12.8
Potassium	500	500	500	500	500	537	531	516
Selenium	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Silver	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Sodium	500	500	500	500	500	500	500	500
Thallium	200	200	200	200	200	200	200	200
Vanadium	11.0	9.5	12.7	9.7	10.9	10.0	9.7	8.9
Zinc	173	170	801	442	183	154	157	141



EXPLANATION

- SAMPLING AREA 1
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

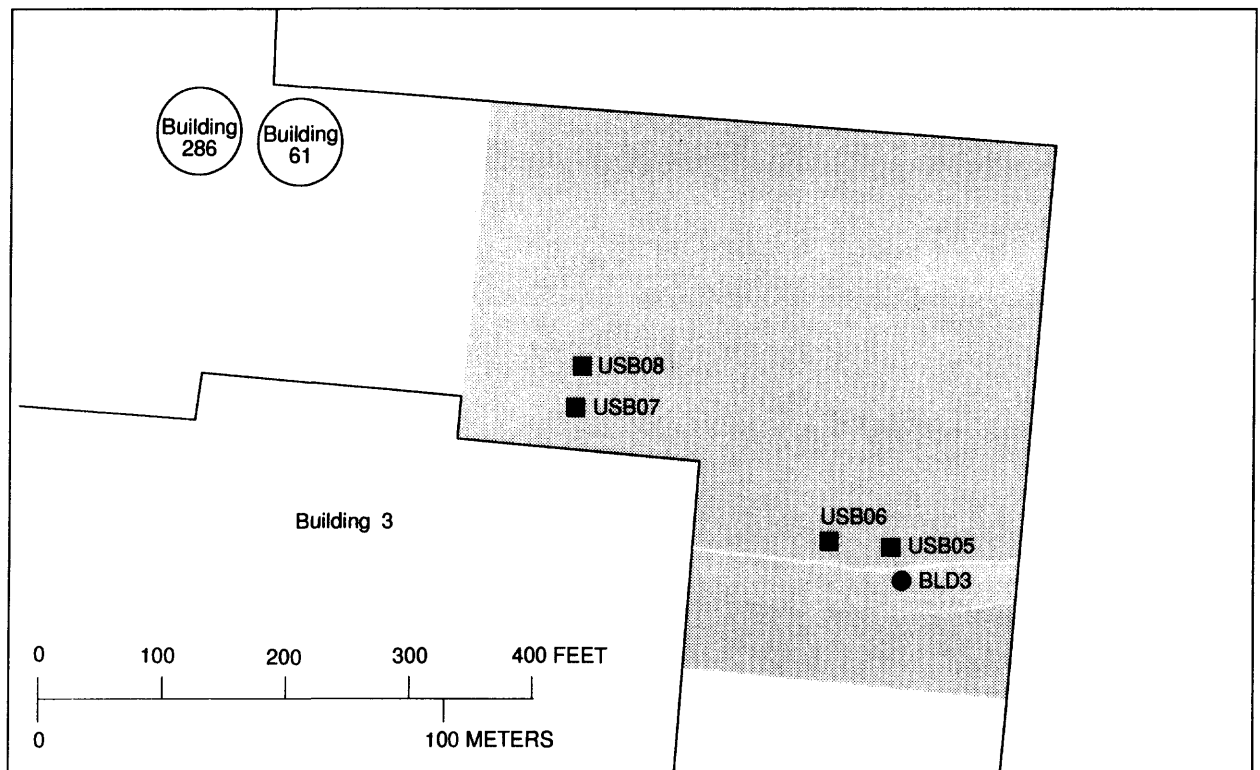
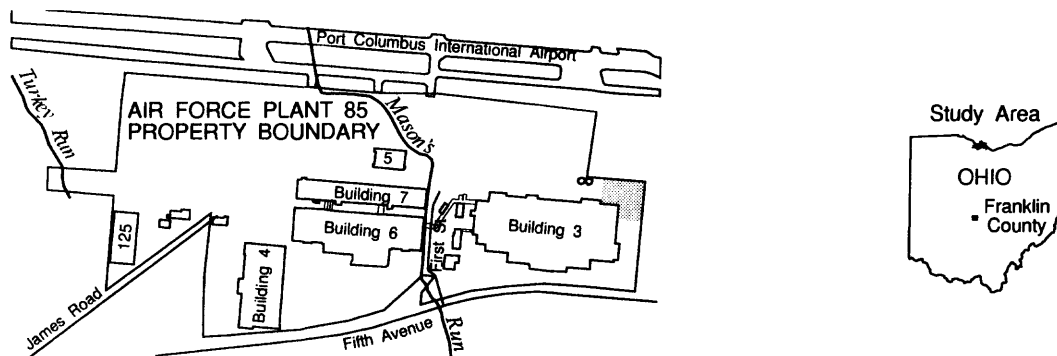
Figure 3. Soil boring/sampling locations at the magnesium-chip burning and rubble-disposal area, Air Force Plant 85, Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 2
- EXTENT OF COAL PILE
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

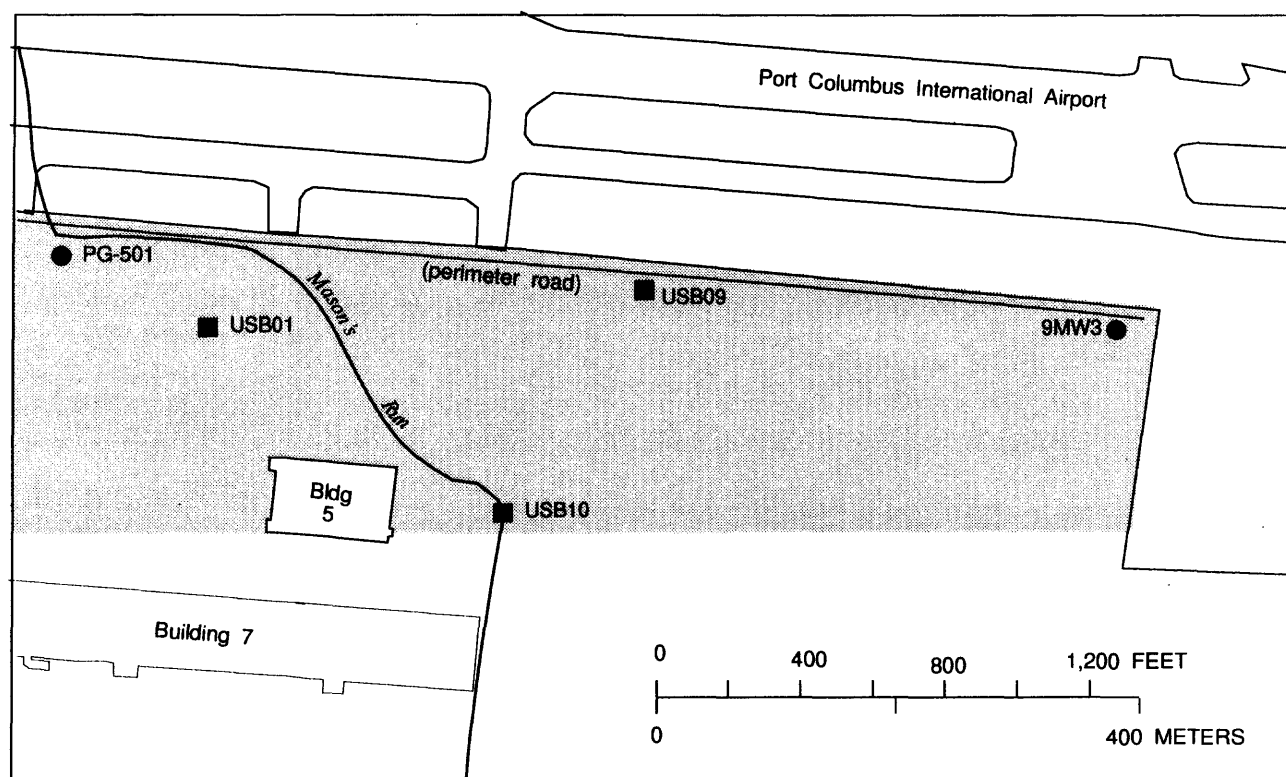
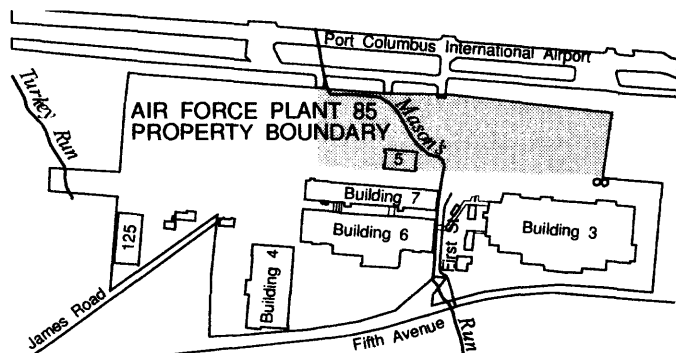
Figure 4. Soil boring/sampling locations near the coal pile, Air Force Plant 85, Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 3
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

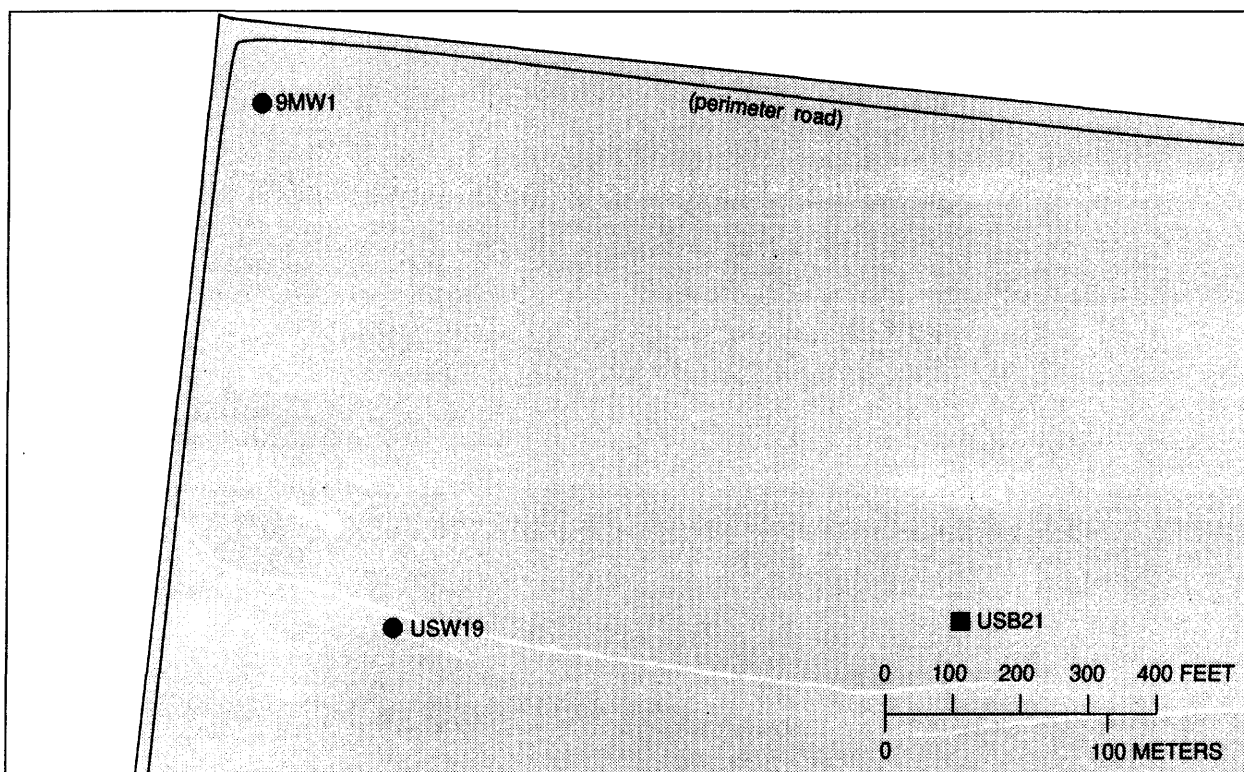
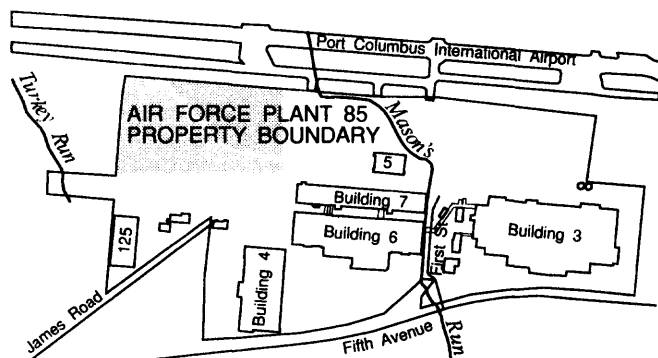
Figure 5. Soil boring/sampling locations north of Building 3 and at fuel tank area east of Building 3, Air Force Plant 85, Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 5
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

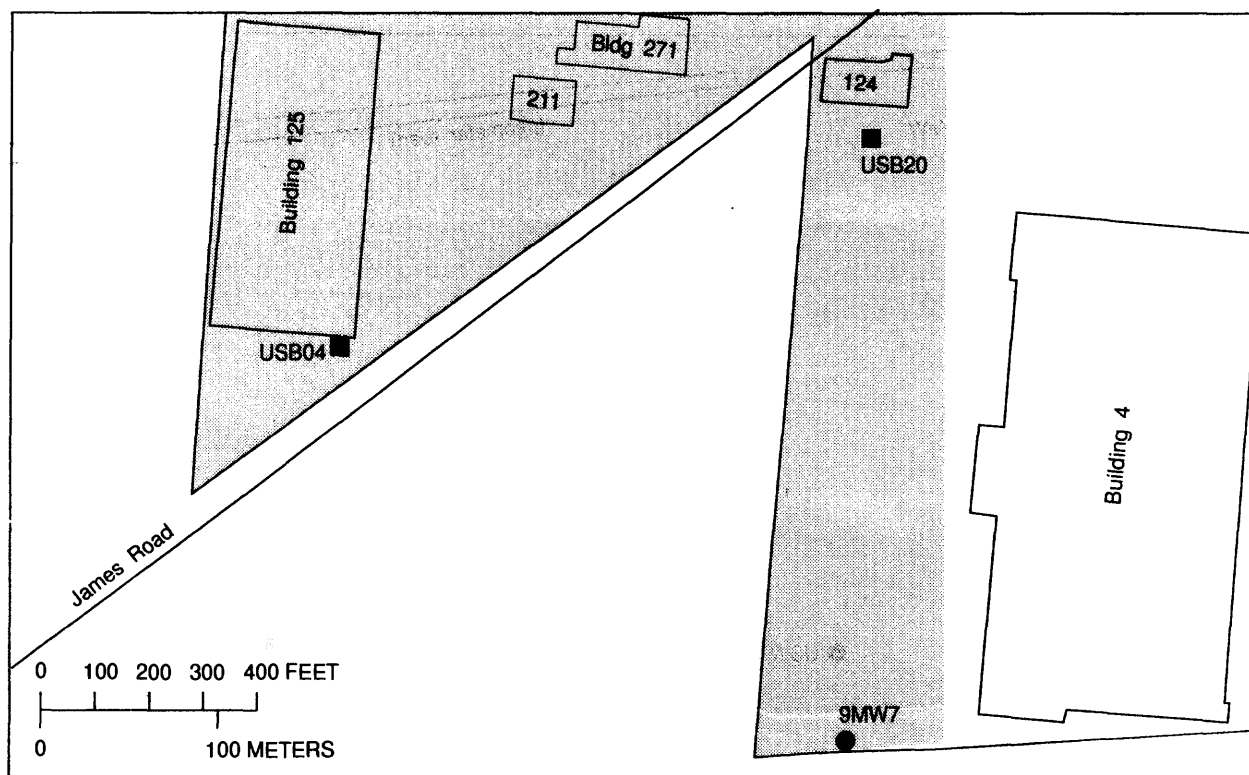
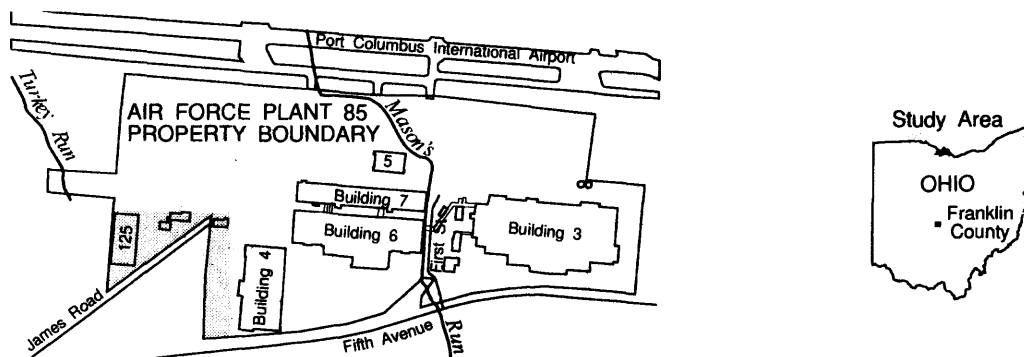
Figure 6. Soil boring/sampling locations on the north side of Air Force Plant 85 (north-central boundary, wash rack area, and near Mason's Run), Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 5
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

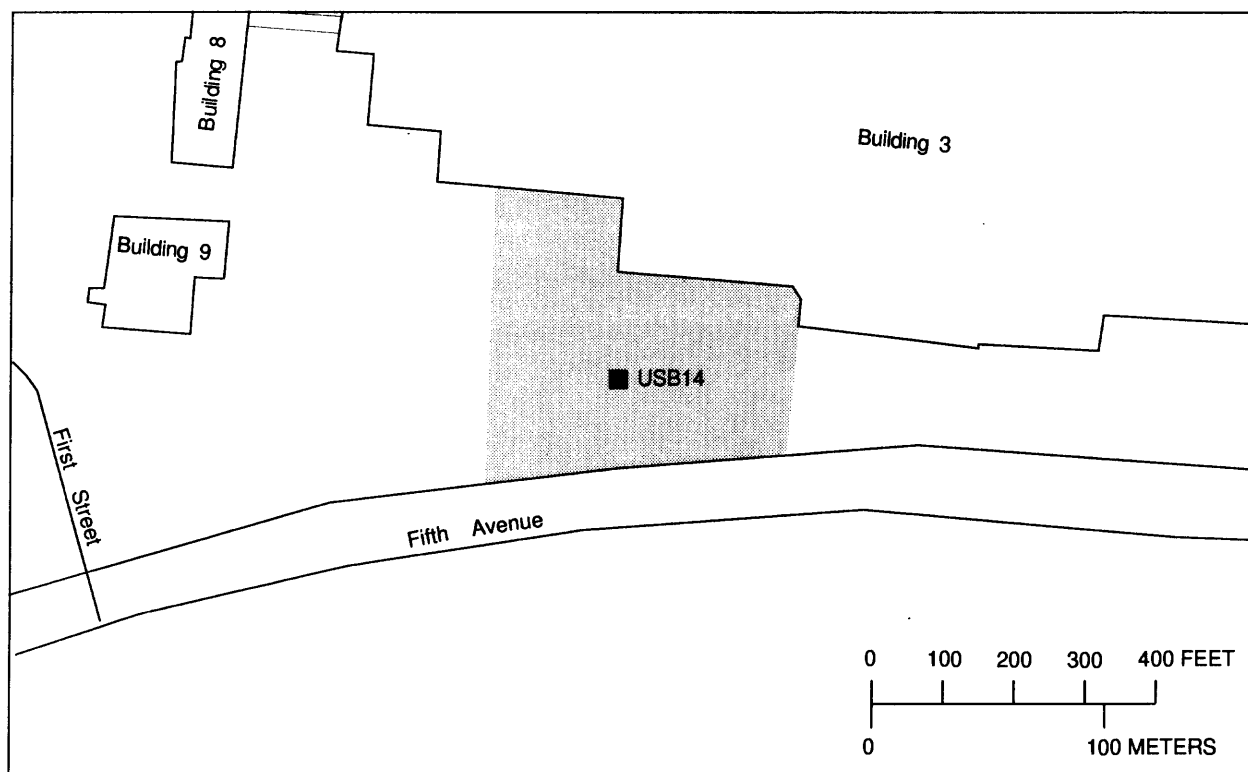
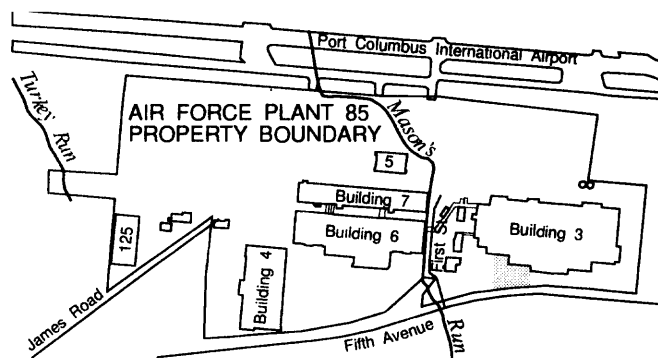
Figure 7. Soil boring/sampling locations at leach-field area, stationary radar site, and northwest perimeter road, Air Force Plant 85, Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 6
- MONITORING WELL LOCATION AND IDENTIFIER
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

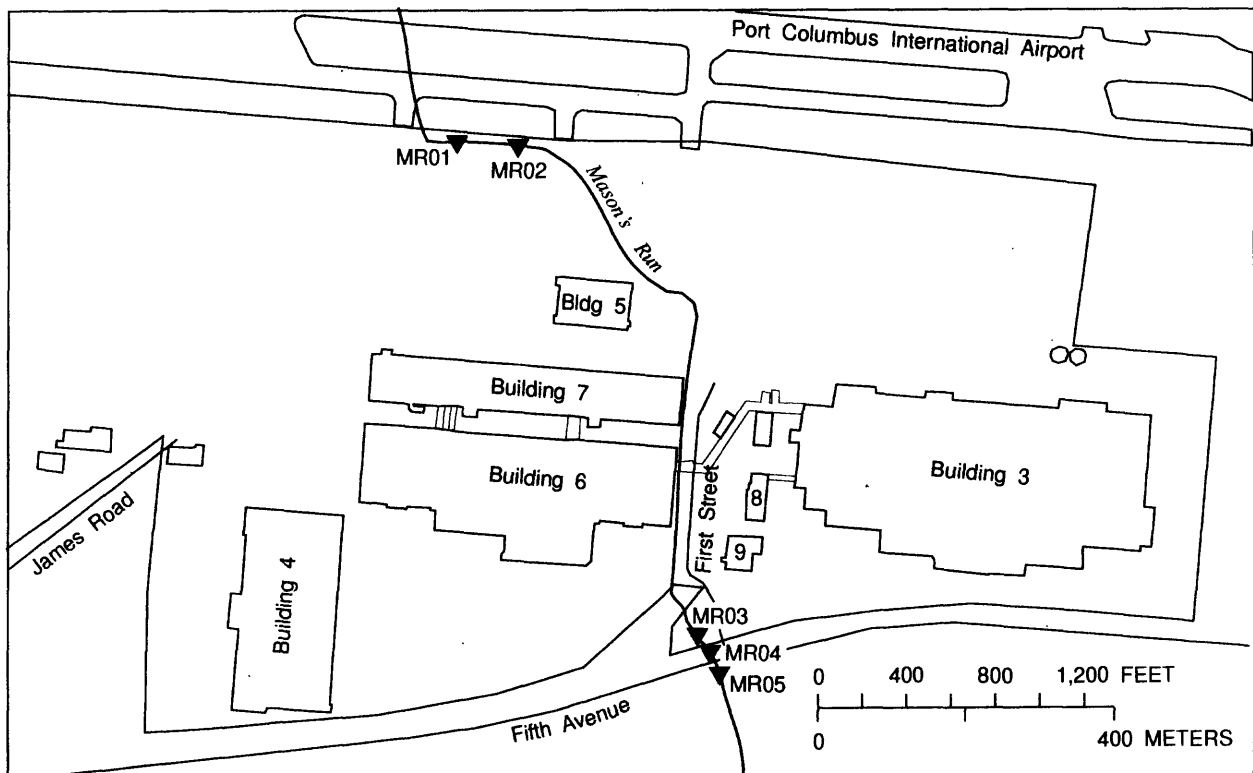
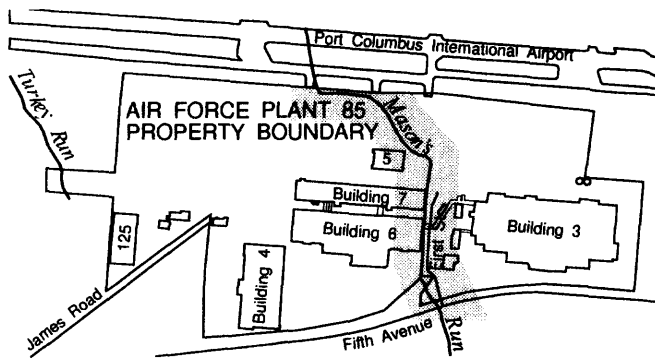
Figure 8. Soil boring/sampling locations on the southwestern part of Air Force Plant 85 (south of Buildings 124 and 125 and in southwest Building 4 parking lot), Columbus, Ohio.



EXPLANATION

- SAMPLING AREA 7
- SOIL-SAMPLE BOREHOLE LOCATION AND IDENTIFIER

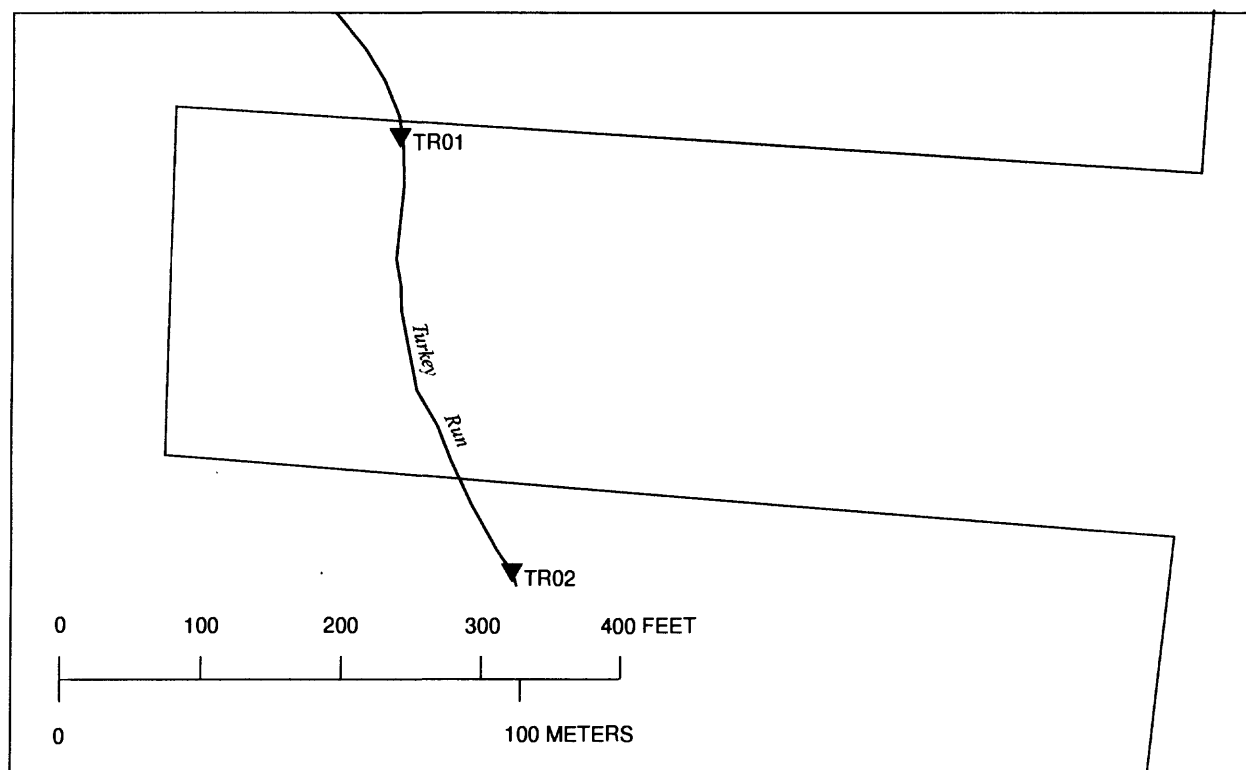
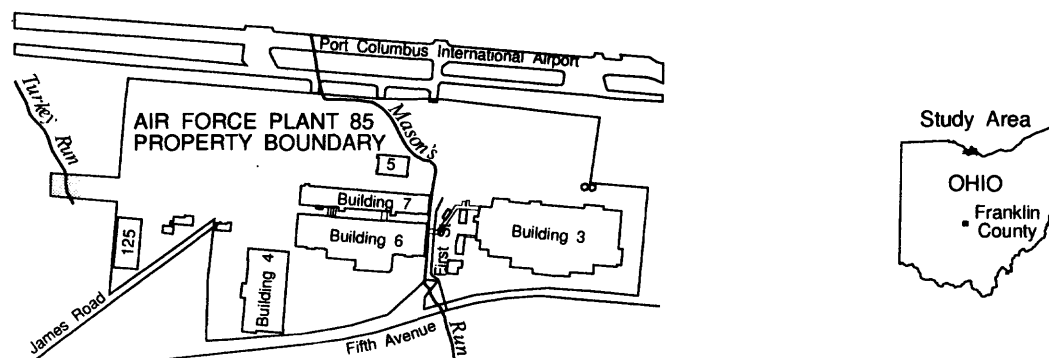
Figure 9. Soil boring/sampling locations southwest part of Building 3 (in parking lot), Air Force Plant 85, Columbus, Ohio.



EXPLANATION

- ▼ SURFACE-WATER AND STREAMBED-SAMPLING SITE WITH IDENTIFIER

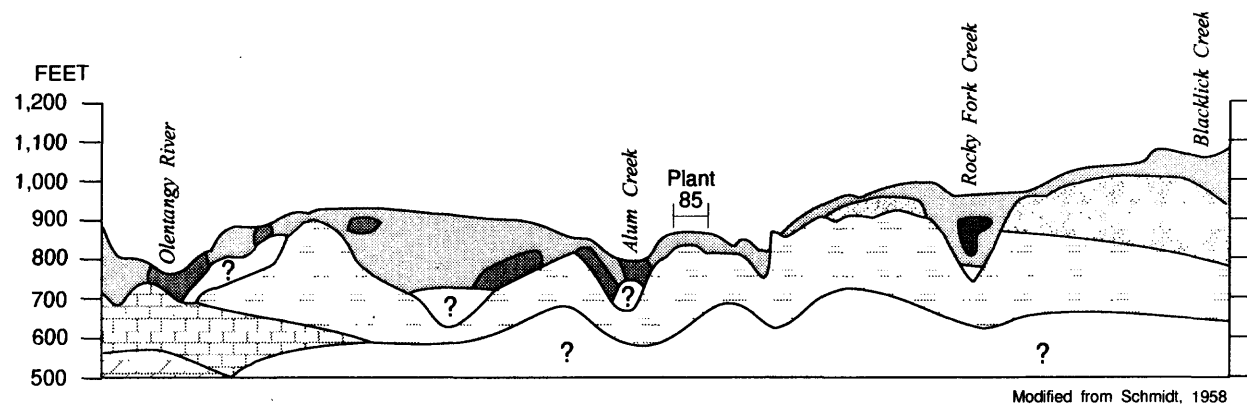
Figure 10. Surface-water and streambed-sediment sampling locations on Mason's Run, Air Force Plant 85, Columbus, Ohio.









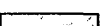
EXPLANATION

- ▼ SURFACE-WATER AND STREAMBED-SEDIMENT SAMPLING SITE

Figure 11. Surface-water and streambed-sediment sampling locations on Turkey Run, Air Force Plant 85, Columbus, Ohio.



EXPLANATION

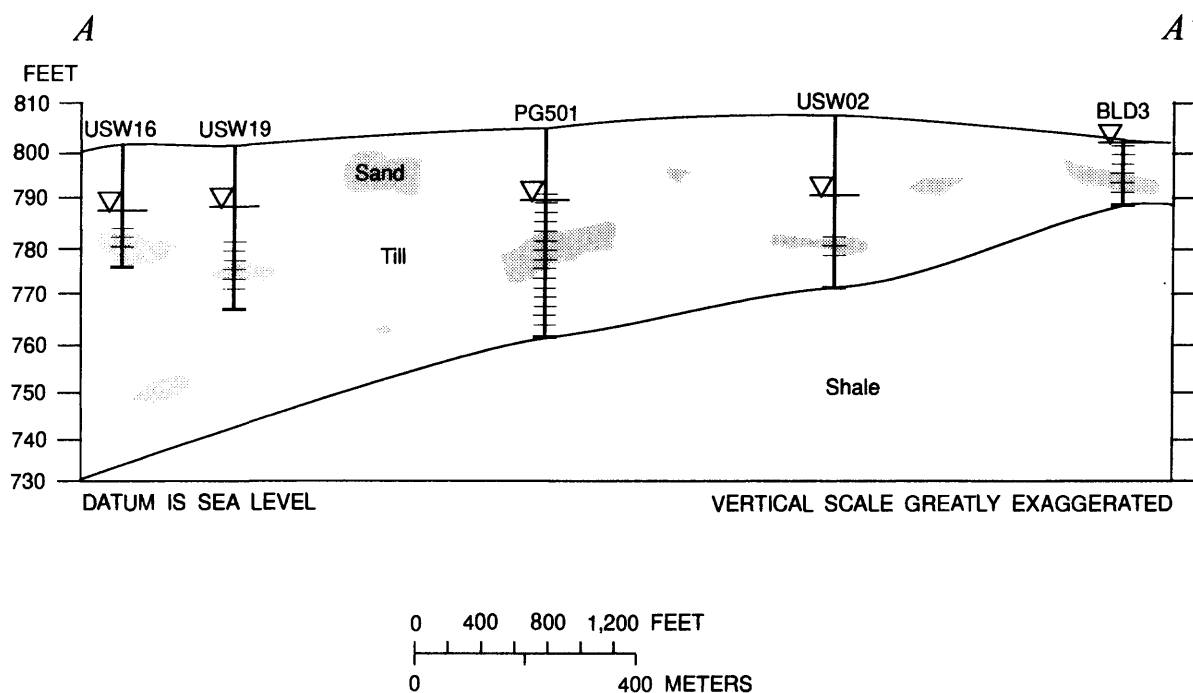
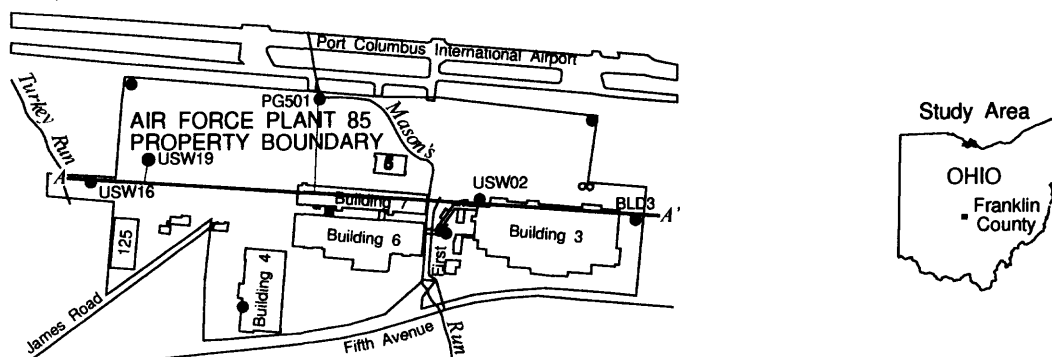
	TILL OR CLAY		SHALE
	SAND AND GRAVEL		LIMESTONE
	SAND		DOLOMITE
	SANDSTONE		

0 1 2 3 4 MILES

0 1 2 3 4 KILOMETERS

VERTICAL SCALE GREATLY EXAGGERATED
DATUM IS SEA LEVEL

Figure 12. Generalized cross section showing geology of Air Force Plant 85, Columbus, Ohio.



EXPLANATION

USW16 WELL LOCATION AND IDENTIFIER



WELL SCREEN
BOTTOM OF WELL



WATER LEVEL IN WELL

Figure 13. Cross-section of A-A' showing monitoring wells at Air Force Plant 85, Columbus, Ohio.