VERIFICATION INVESTIGATION REVISED SECTION 7.0
SWMUs 10 and 35 (Draft)
Task Order No. 4
Radford Army Ammunition Plant, Virginia

Prepared for:

U.S. Army Environmental Center
Aberdeen Proving Ground, Maryland 21010-5401
Contract No. DAAA15-90-D-0015

DAMES & MOORE
2807 N. Parham Road, Suite 114, Richmond, VA 23294

September 8, 1994

DAMES & MOORE

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September 8, 1994

Harry R. Kleiser
U.S. Army Environmental Center
Installation Restoration Division
Building E4480
Aberdeen Proving Ground, MD 21010-5491

Re: Revised VI Section Report
Radford Army Ammunition Plant, VA

Dear Harry:

Enclosed is one bound and one unbound revised section report for the VI at RAAP. This report includes the 1993 data collected at SWMU 10 and SWMU 35 (Section 7.0). Please review this draft document and provide comments as necessary.

A revised section report for the RFI at SWMU O is being prepared now and should be sent to you early next week. Our plan is to send the last revised section report to you for comment and have it returned to us for a final draft to be prepared before the end of September. We plan on providing the study on using the onsite soils data to create background concentrations to you in late September.

Please call to discuss any changes or extras to the reports. I will contact you within the next few days if I do not get a call from you or Dennis.

Sincerely,

DAMES & MOORE, INC.

Anthony J. Duda

Anthony J. Duda
Sr. Hydrogeologist

Enclosures

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VERIFICATION INVESTIGATION
Revised Section 7.0
SWMU 10, Biological Treatment Equalization Basin
and
SWMU 35, Calcium Sulfate Drying Bed

(Draft)

Task Order No. 4
Radford Army Ammunition Plant, Virginia

Submitted to:

Commander, U.S. Army Environmental Center
Aberdeen Proving Ground, Maryland 21010-5401

Contract No. DAAA15-90-D-0015

Prepared by:

Dames & Moore
2807 N. Parham Road, Suite 114
Richmond, Virginia 23294

September 8, 1994

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LIST OF ACRONYMS AND ABBREVIATIONS

AEC	U.S. Army Environmental Center
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AWQC	Ambient Water Quality Criteria
CFR	Code of Federal Regulations
cm/sec	Centimeters per second
EPA	U.S. Environmental Protection Agency
ESE	Environmental Science and Engineering, Inc.
ft/ft	Feet per foot
ft/yr	Feet per year
FAL	Fly Ash Landfill
GC/MS	Gas Chromatography/ Mass Spectroscopy
gm	Gram
GT	Greater Than
HBN	Health Based Number
HMX	High Melting Point Explosive
LOEL	Lowest Observed Effect Level
LT	Less Than
MCL	Maximum Contaminant Level
mg/l	Milligrams per liter
mg/kg	Milligrams per kilogram
ML	Clayey silt
msl	Mean sea level
MW	Monitoring Well
NC	Nitrocellulose
NG	Nitroglycerin
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
pH	Hydrogen-ion activity in gram equivalents per liter

PQL	Practical Quantitation Limit
PVC	Polyvinyl Chloride
QA	Quality Assurance
QC	Quality Control
RAAP	Radford Army Ammunition Plant
RBC	Rotating Biological Contactor
RCRA	Resource Conservation and Recovery Act
RFD	Reference Dose
RFI	RCRA Facility Investigation
SM	Silty Sand
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TNT	Trinitrotoluene
TOC	Total Organic Carbon
TOX	Total Organic Halogen
UBK	Uptake Biokinetic
ug/dl	Micrograms per deciliter
ug/g	Micrograms per gram
ug/l	Micrograms per liter
UNK	Unknown
USACE	U.S. Army Corps of Engineers
USAEHA	U.S. Army Environmental Hygiene Agency
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USCS	Unified Soil Classification System
USEPA	U.S. Environmental Protection Agency

USGS	U.S. Geological Survey
VDEQ	Virginia Department of Environmental Quality
VDWM	Virginia Department of Waste Management
VHMR	Virginia Hazardous Waste Management Regulations
VI	Verification Investigation
VOC	Volatile Organic Compound

7.0 VERIFICATION INVESTIGATION OF SWMU 10, BIOLOGICAL TREATMENT EQUALIZATION BASIN AND SWMU 35, CALCIUM SULFATE DRYING BED

7.1 SWMU 10 AND SWMU 35 BACKGROUND AND INVESTIGATION PROGRAM (Revised)

This report is a revision of the Radford Army Ammunition Plant (RAAP) Verification Investigation (VI) Section 7.0 which presented the results of investigations conducted at Solid Waste Management Unit (SWMU) 10, Biological Treatment Equalization Basin and SWMU 35, Calcium Sulfate Drying Bed in the final draft VI Report dated October 29, 1992 (Dames & Moore, 1992a). The additional studies conducted at SWMU 10 and SWMU 35 in 1993 by Dames & Moore were authorized by the U.S. Army Environmental Center (AEC) under Contract No. DAAA15-90-D-0015, Task Order 4 after the final draft VI Report was reviewed by AEC and comments on the report were provided by the U.S. Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (VDEQ).

The additional data has resulted in revised test in several subsections and these revised subsections have had (Revised) appended to the subsection title. Sections not marked (Revised) are current as of the 1992 final draft VI report. Tables 7-2 and 7-9 and Figure 7-9 have been added to this revised section report to present the groundwater data collected in 1993. The remaining tables and figures from the 1992 VI report have been reproduced and renumbered as appropriate. This revised section report is not intended to be a stand alone document; all background information about RAAP and the overall VI program is presented in the final draft VI Report. Appendix A to this report presents the chemical data acquired for the 1993 program. Appendix B presents geotechnical data from the VI field program, and Appendix C presents supporting information from the final draft VI Report.

The U.S. Environmental Protection Agency issued the Permit for Corrective Action and Incinerator Operation to RAAP in late 1989 and included SWMU 10 and SWMU 35 as sites requiring a VI. Since 1989, five environmental investigations have been performed at SWMU 10 and SWMU 35 that confirmed the presence and probable release of site related contaminants (Dames & Moore, 1991a, 1991b, 1992a and 1992b; Geophex, 1990). The most recent

investigation (Dames & Moore, 1992b) prior to the final draft VI was a groundwater quality assessment for SWMU 10 performed in order to provide a more complete evaluation of the study area for the VDEQ.

An interagency agreement between EPA and the U.S. Army in March 1992 resulted in the acceptance of the permit as written in 1989. Because previous site investigations have resulted in more data than needed to perform a VI, AEC requested that the VI for these SWMUs meet the requirements of the permit and be a summary of overall environmental conditions at the sites. In order to adequately evaluate the potential impacts known site contamination may pose to human health or the environment, the VI has been expanded to include a quantitative human health evaluation. Section 7.2, Environmental Setting, presents a detailed description of the hydrogeology of the study area. Section 7.3, Contamination Assessment, presents a comparison of chemical data to health based numbers, and Section 7.5 presents the results of a baseline risk assessment. The additional data collected in 1993 were found to be essentially the same as the data collected for the 1992 final draft VI and the baseline risk assessment was not revised for this revised section report.

7.1.1 SWMU Histories

7.1.1.1 SWMU 10--Biological Treatment Plant Equalization Basin (Revised). This unit, located along the New River in the north-central part of the Main Manufacturing Area is the first of nine components that make up a biological wastewater treatment system at RAAP. This system treats wastewaters of widely varying characteristics, including nonacidic wastewaters from propellant manufacturing (on both a batch and continuous basis), pretreated wastewaters from nitroglycerine (NG) manufacturing and alcohol rectification, and wastes from recovery of ethyl ether (USEPA, 1987). The biological treatment system was built in 1978/1979 and became operational in 1980. Prior to 1980, these wastewaters were discharged directly to the New River.

This basin was reportedly constructed on top of a nitrocellulose (NC) fines settling lagoon (USACE, 1981). The lagoon was approximately 200 feet by 100 feet in size and surrounded by a 7-foot-high dike. The lagoon was filled with very soft, wet NC fines. According to construction plans for the equalization basin, the fines were removed prior to construction of the basin.

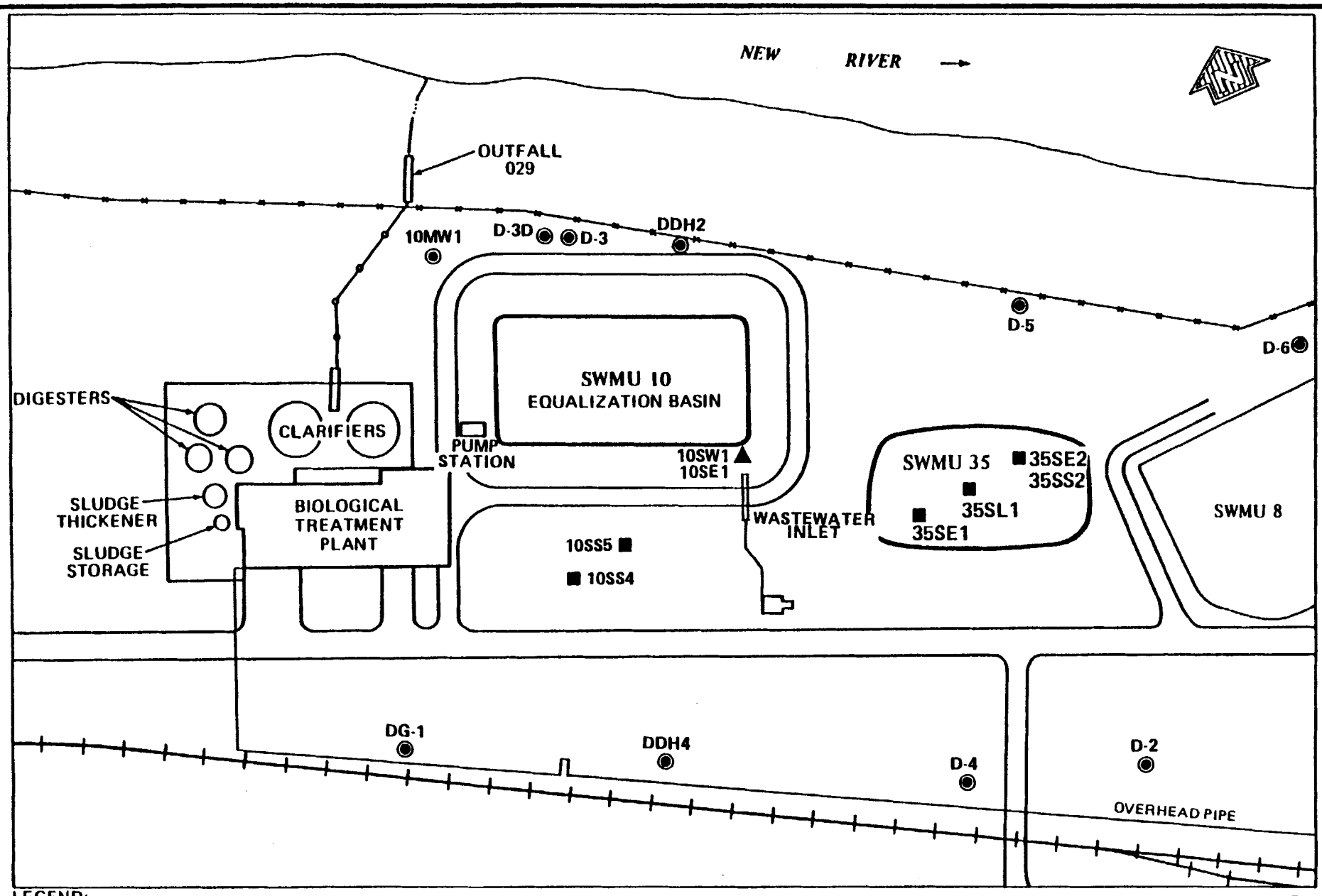


FIGURE 7-1
MONITORING WELLS, BORINGS AND SAMPLING LOCATIONS
SWMU 10, EQUALIZATION BASIN AND SWMU 35, CALCIUM SULFATE DRYING BED
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Dames & Moore

The Equalization Basin is approximately 160 feet wide by 255 feet long, located adjacent to the treatment plant and west of SWMU 35 (Figure 7-1). The total depth of the basin is 10.5 feet. The basin is filled with 7.5 feet of water to realize the design capacity of 1,350,000 gallons. The containment walls are constructed of concrete, and the basin is lined with a soil/cement/clay liner. The unit was expanded to its current dimensions since original construction. The northern and eastern outside embankments of the basin are reinforced with rip-rap. Suspended polymeric dividers accommodate aeration/equalization and divide the basin into three compartments. According to the plant operator interviewed during the March 1990 facility visit, the basin has never overflowed. Operating procedures are such that influent flows are cut off if the basin capacity is reached.

The eastern and central compartments of the basin are each equipped with two surface aerators. The western compartment is equipped with a subsurface jet injection-type aerator. From the equalization basin, the wastewater is pumped at a constant rate to the biological treatment system. As originally designed, the biological treatment system consisted of two parallel trains of six rotating biological contactors (RBCs). The first two RBCs in each train were designed to operate anaerobically; the remaining four units were to operate aerobically. Following startup, it was discovered that the anaerobic RBCs were hindering plant performance, and they were subsequently converted to aerobic RBCs. At present, the plant is operating with 12 aerobic RBCs on-line. These units have a total surface area of 611,200 square feet. The RBCs are run as three-stage systems, with the first two RBCs in each train operated as a single stage (USEPA, 1987). From the RBC trains the wastewater flows to two circular, center-feed, peripheral weir clarifiers. Clarified effluent is discharged to the New River at National Pollutant Discharge Elimination System (NPDES) Outfall No. 029.

Sludge handling consists of aerobic digestion, chemical conditioning, and belt press dewatering. The three digesters (83,000 gallons each) are maintained at about 75 percent of capacity to prevent overflows. The sludge from the digesters is a listed hazardous waste (K044, sludge from the treatment of wastewater from explosives manufacturing (USAEHA, 1980)). Prior to February 1990, the sludge was landfilled in Fly Ash Landfill No. 2 (SWMU 29); at present, it is containerized and shipped to an off-post hazardous waste landfill.

Evidence of ground scarring and possible disposal trenches was visible on aerial photographs for the study area taken in 1971. The NC settling pond was present at the same location as the SWMU 10 Equalization Basin, and was approximately the same size. SWMU 35, as well as SWMUs 8 and 36, were also present, and in the same size and configuration as today. Ground scarring (and possible trenches) was seen in the area between the road and the railroad tracks south of SWMU 10 and SWMU 35. Two general scarred areas were visible. One area extended from the western side of the NC settling pond to the eastern side of the western SWMU 8 lagoon. The other scarred area extended from the central part of the eastern SWMU 8 lagoon to the western side of the southern SWMU 36 drying bed. RAAP personnel indicated that the area between the road and the railroad tracks was once used for trench burial of sediments removed from the ponds at SWMU 10, SWMU 35, SWMU 8, and SWMU 36. The outlines of these trenches are still visible when the area is examined. Because the trenches were in use prior to the construction of the Bio-Plant, the SWMU 10 basin sediments referred to by RAAP personnel were probably the NC settling pond sediments.

The Bio-Plant is being upgraded in 1994 through the construction of two large concrete wastewater tanks on the west side of the treatment building. These tanks will eventually supplant the Equalization Basin and receive the explosive-contaminated wastewater from the Manufacturing Area production facilities prior to treatment at the Bio-Plant. However, the status of the Equalization Basin changed abruptly at the end of March 1994 when the EPA ordered the use of the basin to be discontinued when the Federal regulatory deadline passed requiring the use of fully enclosed tanks for holding wastewater prior to treatment. Explosive manufacturing at RAAP and associated Bio-Plant operations were suspended until mid-April 1994 when a temporary system of several 20,000 gallon above ground storage tanks (ASTs) were assembled and connected to the inflowing waste stream. Production areas resumed operations at a level which would not exceed the combined holding capacity of the ASTs and treatment facilities. The construction and rerouting of the tanks and associated piping are expected to be completed in late 1994 or early 1995.

7.1.1.2 SWMU 35--Calcium Sulfate Drying Bed. SWMU 35, a Calcium Sulfate Drying Bed (northeast section), is located along the New River in the northeast section of the Main Manufacturing Area (Figure 7-1). SWMU 35 is located immediately east of SWMU 10 and west

of and adjacent to SWMU 8 (Calcium Sulfate Settling Lagoons). This drying bed has been previously described as "an abandoned lagoon (mud)" (USACE, 1981). The drying bed was excavated into the natural grade and is unlined. Until approximately 1980, calcium sulfate sludge was dredged from SWMU 8 and pumped into SWMU 35 to dehydrate every 5 to 7 months. After drying, the sludge was removed for disposal. The sludge was disposed of in various locations at RAAP, as described in Section 5.1.1 of the final draft VI report.

SWMU 35 is approximately 160 feet by 80 feet with approximately 8 feet of sediment remaining in the basin. RAAP reported that sediment from SWMU 10 was probably deposited in SWMU 35, most likely during the early 1980s. Because of this probable interrelation between SWMU 10 and SWMU 35, the VI for these SWMUs was combined.

7.1.2 Previous Investigations

Wells in the SWMU 10 and SWMU 35 area were sampled after installation in 1980 (USACE, 1981) and again in 1984 (USATHAMA, 1984). Historically, the Virginia groundwater standard of 0.005 mg/l for zinc has been exceeded in wells D-2 and D-3. Nitrate-N in downgradient wells DDH2 and D-3 exceeded the Maximum Contaminant Level (MCL) of 10.0 mg/l at concentrations of 11.0 and 21 mg/l, respectively. Nitrate also was detected in upgradient well D-5 at 21 mg/l; this concentration exceeded the MCL of 10.0 mg/l. Fluoride was the only other constituent that exceeded a regulatory standard. It was detected in all four wells (D-2 through D-5) in 1981, but was detected in the highest concentration in upgradient well D-2 at 4.8 mg/l, which was the only exceedance of the fluoride MCL of 4.0 mg/l. Concentrations of calcium, nitrate-N, total dissolved solids (TDS), sulfate, and zinc were apparently higher in downgradient wells. A detailed analyses of historical data was performed in the SWMU 10 Characterization Report (Dames & Moore, 1992b).

In August 1990, Geophex, Ltd. performed a hydrogeological and environmental investigation of the Bio-Plant Equalization Basin (Geophex, 1990). The field program consisted of the installation of two monitoring wells, DG-1 and D-3D (see Figure 7-1). Monitoring well DG-1 was installed upgradient of the southwestern corner of the equalization basin. Well D-3D was installed into the bedrock to a depth of approximately 65 feet. The purpose of this well was to investigate the groundwater quality of the deeper bedrock section of the unconfined aquifer.

Pump tests also were performed to calculate the horizontal and vertical groundwater flow velocities.

Six groundwater samples were collected from monitoring wells -- DG-1, D-3, D-3D, D-4, DDH2, and DDH4 -- and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals, Volatile Organic Compounds (VOCs) (SW846 Method 8240), Semivolatile Organic Compounds (SVOCs) (SW846 Method 8270) and various reactivity parameters.

The only constituent that was detected in any of the groundwater samples was DNBP at a concentration of 28 ug/l in downgradient well D-3. Note that this constituent was not detected in the nearby deeper aquifer well D-3D. The detected concentration of DNBP was less than the Health Based Numer (HBN) of 4,000 ug/l.

7.1.3 VI Program (Revised)

Dames & Moore performed an environmental site investigation at the Bio-Plant in August 1990 to collect data in support of a construction project proposed to replace the existing equalization basin with two new tanks (Dames & Moore, 1991b). The environmental samples were collected to evaluate whether the Bio-Plant area soils contained hazardous constituents that may be subject to remedial actions if disturbed during construction activities. The sample results also were used to evaluate potential human health and environmental impacts to onsite workers during construction activities.

As shown in Figure 7-1, one surface water (10SW1) and one sediment/sludge sample (10SE1) were collected from inside the SWMU 10 Bio-Plant Equalization Basin as part of the site characterization program. Additionally, two near-surface soil samples (10SS4 and 10SS5) were collected from the new RBC area, approximately 100 feet south of the SWMU 10 Equalization Basin. These samples were collected because constituents in the surrounding soils may potentially impact groundwater downgradient of the basin. Likewise, soil and sediment samples from adjacent SWMU 35, the Calcium Sulfate Drying Bed, were collected because SWMU 35 is located upgradient of monitoring well locations where contamination was previously detected and may have impacted groundwater downgradient of SWMU 10.

At two locations within the drying bed, sediment samples 35SE1 and 35SE2 were collected and homogenized from the upper 4 feet. A sample of underlying soil also was collected from one location (i.e., 35SS2). A second soil sample underlying the sediment was to be collected and analyzed from SWMU 35. Because of the large amount of water perched in the bed sediment, it was not possible to collect a discrete and undisturbed soil sample (i.e., a sample unaffected by and free of overlying sludge and liquid) at this location.

As part of the Bio-Plant investigation, three groundwater samples were collected from wells D-3, DDH2, and DDH4 associated with the Bio-Plant Equalization Basin. All soil, sediment, groundwater and surface water samples were analyzed for VOCs, SVOCs, metals, and explosives. In addition, soil and sediment samples were analyzed for TCLP metals.

Additional groundwater samples were collected from seven monitoring wells at the Bio-Plant Equalization Basin during the VI field program conducted in September 1991. Three upgradient monitoring wells (i.e., DG-1, DDH4, and D-4) and four downgradient wells (i.e., 10MW1, D-3D, D-3, and DDH2) were sampled during the field program (see Figure 7-1). Monitoring well 10MW1 was the only well installed by Dames & Moore during the VI. All monitoring wells, except D-3D, were completed through the unconsolidated silt/sand and gravel deposits and into the shallow unconfined aquifer at the bedrock interface. Monitoring well D-3D was installed to evaluate potential migration in the deeper limestone bedrock section of the same aquifer.

All groundwater samples collected in 1991 were analyzed by Environmental Science and Engineering (ESE) for metals (filtered and unfiltered), VOCs, SVOCs, explosives and general water quality parameters including nitrogen, chloride, sulfate, total phosphorus, and total phenols. In addition, indicator parameters such as total organic carbon (TOC), total organic halogens (TOX), pH, and specific conductance were analyzed for all samples. These indicator parameters were analyzed for quadruplicate for upgradient well DDH2 and downgradient well DDH4. These data were collected to determine statistically significant increases in constituents measured in the downgradient groundwater as compared to those detected upgradient (background).

Quality control (QC) samples were collected during the 1991 field program to evaluate sampling and decontamination activities. Two field blank samples (RAAP-1) of the water used to decontaminate the sampling equipment were collected at the time of the field efforts and analyzed for the parameters specified above. Results from these samples were compared to the results of the environmental samples to evaluate potential inadvertent contamination of samples by potable water used to rinse sampling equipment. The decontamination water was collected from the settling basin of the RAAP potable water treatment plant.

A second quality control sample consisted of a laboratory prepared trip blank of distilled water which was sent from the laboratory, handled in the field, and resubmitted to the laboratory with environmental VOC samples. This sample was analyzed for VOCs so that an evaluation could be made of the potential for inadvertent contamination of environmental samples due to shipping and handling.

An equipment blank (RBLANK) was collected to evaluate the sample equipment cleaning and decontamination activities. This sample was collected by pouring the decontamination source water from the potable water treatment plant over the sampling equipment (e.g., hand auger) after the completion of decontamination and cleaning.

In order to provide complete evaluation of the study area, additional groundwater samples were collected from nine monitoring wells at SWMU 10 and SWMU 35 during the VI field program conducted in July 1993. In addition to the seven wells sampled for the 1992 VI, one additional upgradient well (D-2) and one additional downgradient well (D-5) for SWMU 35 were sampled during the 1993 field program. All wells in the SWMU 10, SWMU 35, SWMU 8 and SWMU 36 area were surveyed for the 1993 VI program.

All groundwater samples collected in 1993 were analyzed by ESE for the parameters of concern identified in the 1992 VI program--chromium, lead, explosives, nitrogen, TOC, TOX and sulfate and pH. The specific conductance of each sample was measured in the field at the time of sampling. The pH was analyzed in duplicate for each of the samples (except for the duplicate sample).

QC samples were also collected during the 1993 field program to evaluate sampling and decontamination activities. One field blank sample (RAAP-1) of the water used to decontaminate

the sampling equipment was collected at the time of the field efforts and analyzed for the parameters specified above. Results from these samples were compared to the results of the environmental samples to evaluate potential inadvertent contamination of samples by potable water used to rinse sampling equipment. The decontamination water was collected from the settling basin of the RAAP potable water treatment plant.

An equipment blank (EQUIP-38) was collected to evaluate the sample equipment cleaning and decontamination activities. This sample was collected by pouring the decontamination source water from the potable water treatment plant over the sampling equipment (e.g., bailer) after the completion of decontamination and cleaning.

7.2 ENVIRONMENTAL SETTING

7.2.1 Topography

The SWMU 10 and SWMU 35 area is relatively flat with a slight slope northward toward the New River. Surface elevations range from 1,708 feet mean sea level (msl) near the road to 1,698 feet msl on the northern side of both basins. The walls of the Equalization Basin were constructed above natural grade with the interior extending to below the natural grade. The whole structure consists of concrete or a soil/concrete mixture. SWMU 35 is a surface depression with the level of sediment within it approximately 4 feet below natural grade. The northern rim of the basin is a little lower (1,703 feet msl) than the southern rim (1,704 feet msl). No drainage into SWMU 35 should be able to exit via surface runoff. Surface ditches are present northwest of SWMU 10 and northeast of SWMU 35, which have a decrease in elevation to less than 1,695 feet msl before leaving the site underneath the fence.

7.2.2 Geology and Soils

The geology of the SWMU 10 and SWMU 35 area has been explored for this VI through the drilling of one soil and rock boring (10MW1), and data from nine other soil and rock borings drilled in the SWMU 10 and SWMU 35 area during previous investigations (USACE, 1981; Geophex, 1990). These borings ranged from 31 feet to 64 feet in depth.

Data from these bores were used to construct four cross-sections and two groundwater elevation maps presented later in this section. As shown in Figure 7-2, four cross-sections (A-A', B-B', C-C', and D-D') were prepared to illustrate the subsurface conditions in the vicinity of the study area.

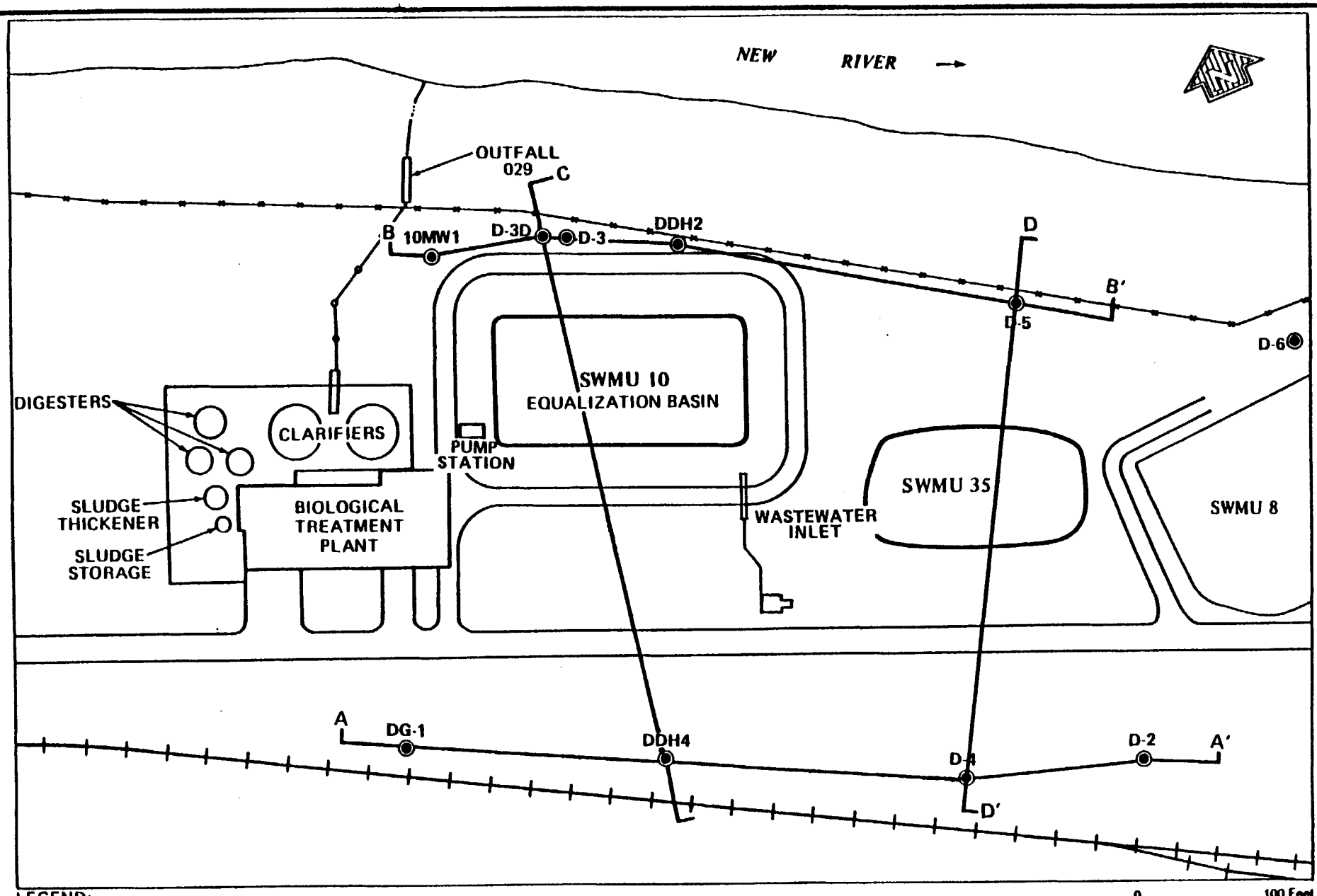


FIGURE 7-2
LOCATIONS OF HYDROGEOLOGIC CROSS-SECTIONS
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Dames & Moore

The following subsections describe the unconsolidated soil and bedrock geology of the SWMU 10 and SWMU 35 site area as revealed through the various borings performed since 1980.

7.2.2.1 Unconsolidated Soil. Investigations conducted at the study area site in 1991 confirm the general soil conditions described previously (USACE, 1981; Geophex, 1990), and allow for a more detailed understanding of subsurface conditions. Unconsolidated soil deposits, which thicken away from the river, consist of a brown clayey silt overlying a fine-to-coarse grained, micaceous, yellowish brown sand. Several feet of yellowish brown sand and gravel overlie bedrock. These alluvial-floodplain deposits vary in thickness between 14 and 30 feet. Zones of large cobbles (river jack) are present south of SWMU 10 and SWMU 35, but are not as common as found at other sites at RAAP. Silty brown clay lenses found at the land surface may represent recent deposition during flood events.

Four cross-sections were prepared to illustrate the geologic conditions in the area. Cross-section A-A' (Figure 7-3) trends generally west to east nearly parallel to the railroad tracks south of the SWMU 10 area. Cross-section B-B' (Figure 7-4) trends generally west to east nearly parallel to the fence immediately north of the SWMU 10 area. Cross-section C-C' (Figure 7-5) trends north to south across SWMU 10 and Cross-section D-D' (Figure 7-6) trends north to south across SWMU 35. These cross-sections illustrate both the lateral and vertical variability of the three distinctive layers of alluvial-plain deposits described previously.

Two soil samples were subject to physical testing of grain size (sieve) analyses, hydrometer testing, and Atterberg Limits testing. These samples were collected from the two different soil zones encountered in boring 10MW1. A sample from the clayey silt encountered was taken from a depth of 5 to 7 feet. The underlying silty (micaceous) sand was sampled from a depth of 15 to 17 feet. The laboratory data sheets are presented in Appendix E for the final draft VI report.

The soil sample collected from 5 to 7 feet was classified in the Unified Soil Classification System (USCS) as a clayey silt (ML), and the soil sample collected from 15 to 17 feet was classified in the USCS as a non-plastic silty sand (SM). The moisture content of the above samples was 21.0 and 31.5 percent, respectively. These classifications and values were consistent with the soil characteristics observed while logging the soil borings during field activities.

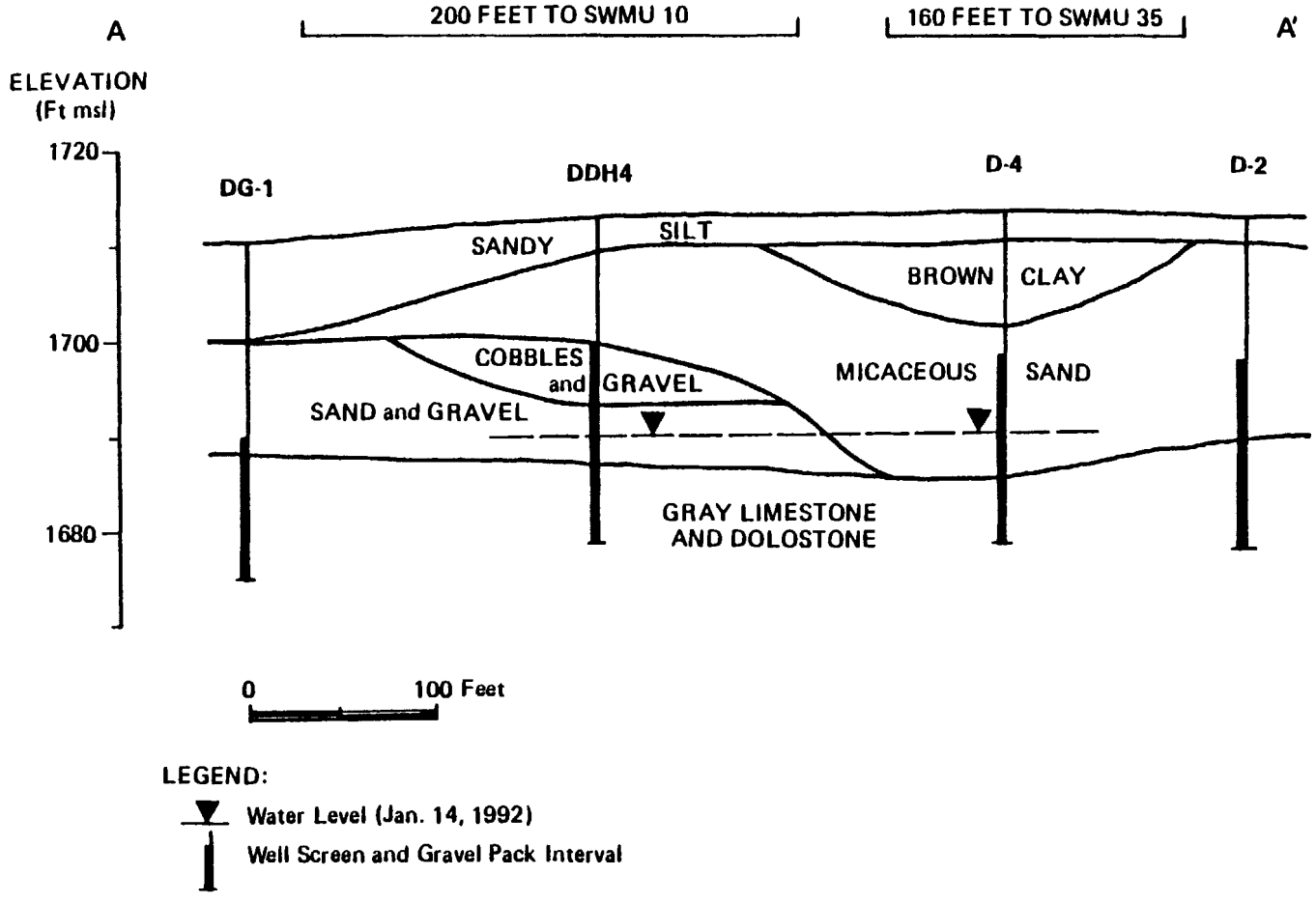


FIGURE 7-3
HYDROGEOLOGIC CROSS-SECTION A-A'
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

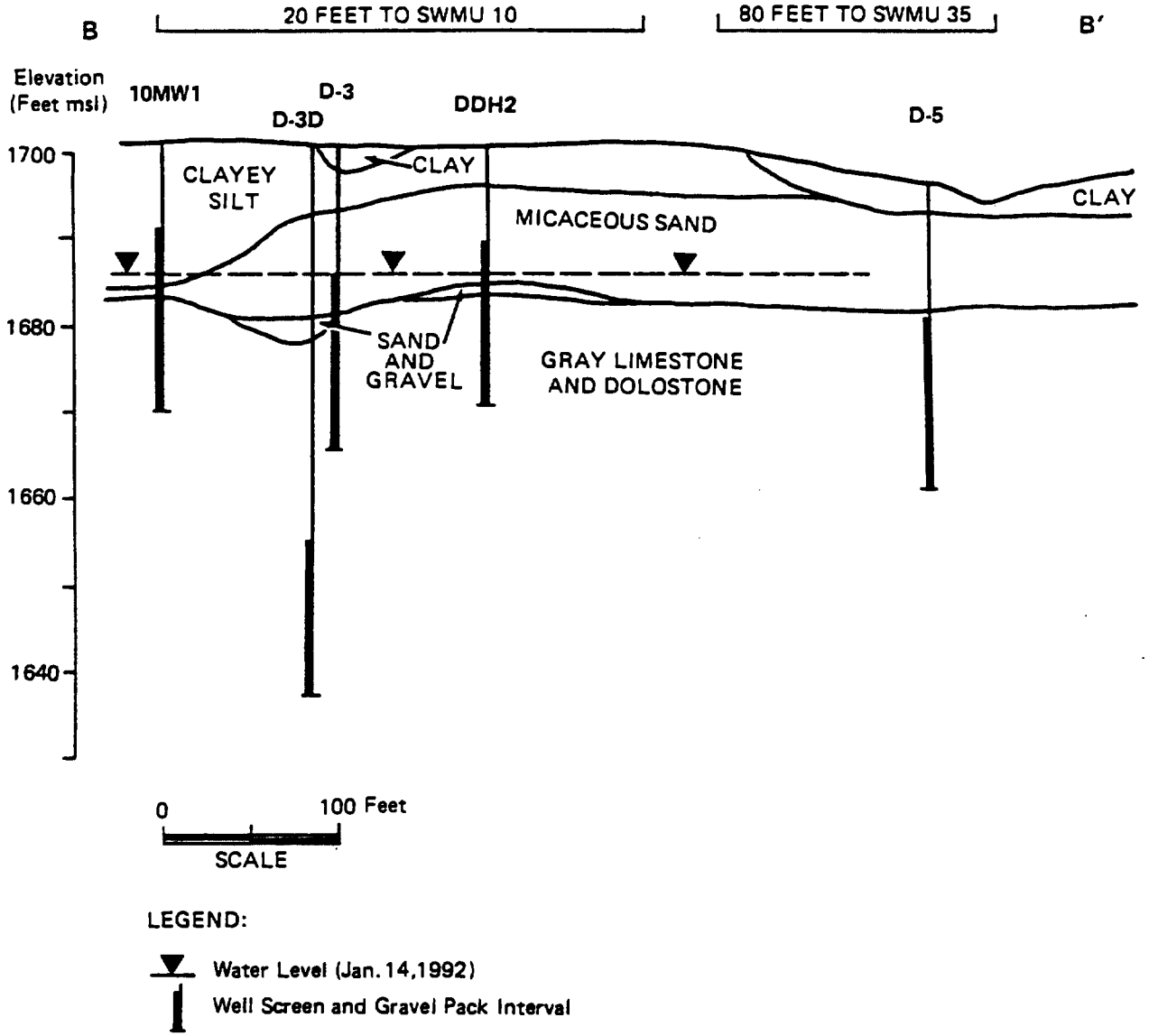


FIGURE 7-4
HYDROGEOLOGIC CROSS-SECTION B-B'
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

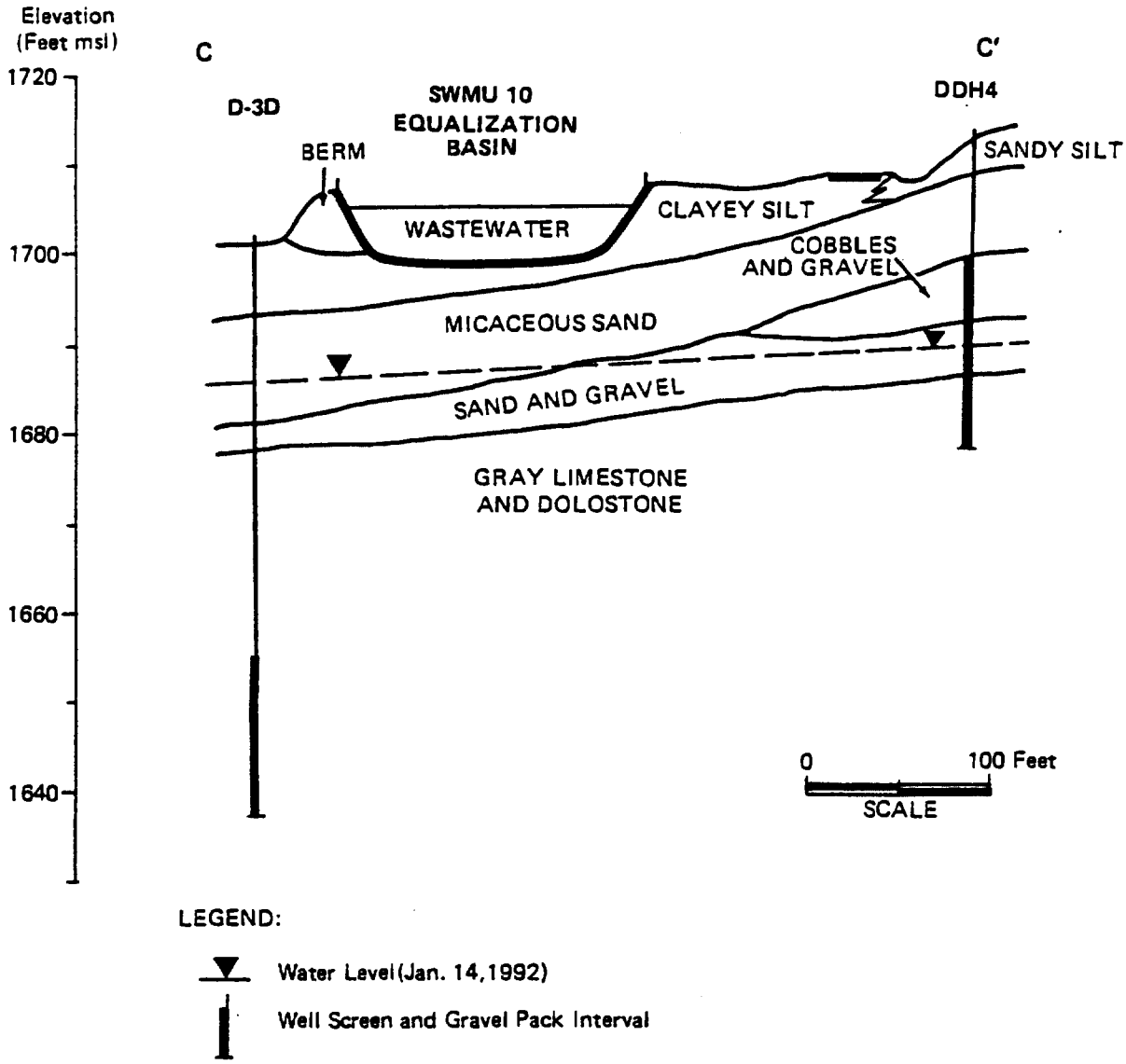


FIGURE 7-5
HYDROGEOLOGIC CROSS-SECTION C-C'
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

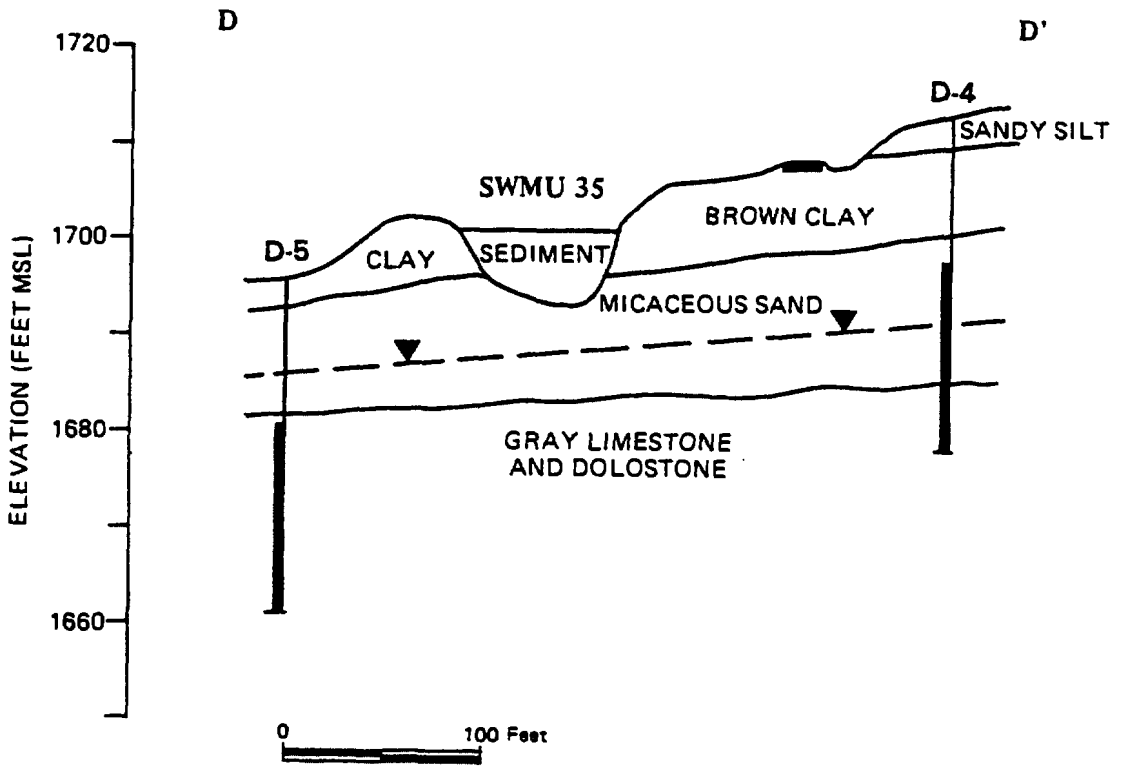


FIGURE 7-6
HYDROGEOLOGIC CROSS-SECTION D-D'
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

7.2.2.2 Bedrock

Underlying the unconsolidated soils in the SWMU 10 and SWMU 35 area is the gray limestone/dolostone of the Elbrook Formation. The gray limestone/dolostone is highly argillaceous. The limestone/dolostone itself is highly fractured and fragmented with calcite healed fractures and zones of filled and unfilled vugs. Up to 41 feet of the Elbrook Formation was penetrated during the 1990 boring program (Geophex, 1990).

The bedrock surface in the vicinity of SWMU 10, as revealed by the borings, slopes north to the New River at a grade of approximately 1.6 percent (Figure 7-5) from an elevation of approximately 1,688 feet msl along Cross-section A-A'. Some bedrock irregularities were noted between borings 10MW1, D-3D, and D-3 (Figure 7-4).

7.2.3 Groundwater Conditions (Revised)

The hydrogeologic conditions within the unconsolidated soil were investigated through field examination of soil samples, 22 field and laboratory permeability/conductivity tests (USACE, 1981; Geophex, 1990), grain-size hydrometer analysis and Atterberg Limits tests on two soil samples, and a field rising-head (slug) test on monitoring well 10MW1. The hydrogeologic conditions of the bedrock were investigated by field examination of rock cores from a monitoring well boring (10MW1) and data of six field hydraulic conductivity tests from a previous study (Geophex, 1990). Groundwater elevations measured from the wells in the SWMU 10 area during the 1992 VI field program are presented in Table 7-1 and elevations measured in 1993 for the second round of sample collection are provided on Table 7-2.

A relatively shallow groundwater table was encountered from 14 feet to 23 feet below ground surface in the study area. The unconfined water table is generally present several feet above the bedrock surface within either the micaceous sand or sand and gravel layer. Based on groundwater measurements obtained in January and March 1992, the unconfined water table gradient slopes north toward the New River at approximately 0.011 ft/ft (1.1 percent), generally following the slope of the bedrock surface. Groundwater level contours for the area are shown in Figures 7-7 and 7-8. No mounding or other irregular groundwater pattern has been observed at SWMU 10 except for a slight change in the groundwater flow direction toward the outfall 029

TABLE 7-1
GROUNDWATER ELEVATIONS
SWMU 10 EQUALIZATION BASIN
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Well	Date	Elevation (feet msl)
10MW1	1-14-92	1685.96
	3-12-92	1686.95
D-3D	1-14-92	1685.79
	3-12-92	1686.59
D-3	1-14-92	1686.02
		1686.95
DDH2	1-14-92	1686.09
		1686.66
D-5	3-12-92	1692.22
DG-1	1-16-92	1688.93
	3-12-92	1689.78
DDH4	1-14-92	1690.21
	3-12-92	1690.90
D-4	1-14-92	1690.55
	3-12-92	1692.38
D-2	3-12-92	1694.77

TABLE 7-2
GROUNDWATER ELEVATIONS (JULY 29, 1993)
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Well	Surface Elevation (ft msl)	Top of PVC Elev. (ft msl)	Depth to Water (ft)	Water Elevation (ft msl)	Stick Up (ft)
DDH1	1700.44	1703.47	14.50	1688.97	3.03
DDH2	1700.78	1702.53	17.00	1685.53	1.75
DDH3	1715.58	1718.53	23.50	1695.03	2.95
DDH4	1713.16	1715.85	26.40	1689.45	2.69
D-1	1715.22	1717.82	22.75	1695.07	2.60
D-2	1713.33	1716.23	22.10	1694.13	2.90
D-3	1700.51	1702.95	17.30	1685.65	2.44
D-3D	1700.70	1702.64	18.10	1684.54	1.94
D-4*	1713.42	1716.20	23.20	1693.00	2.78
D-5	1696.28	1699.26	10.80	1688.46	2.98
D-6	1699.74	1702.45	13.75	1688.70	2.71
D-7	1701.15	1703.84	18.60	1685.24	2.69
D-8	1712.14	1714.68	19.90	1694.78	2.54
DG-1	1709.96	1712.08	23.00	1689.08	2.12
10MW1	1701.28	1703.62	17.70	1685.92	2.34

Note: * = Top of Steel Casing

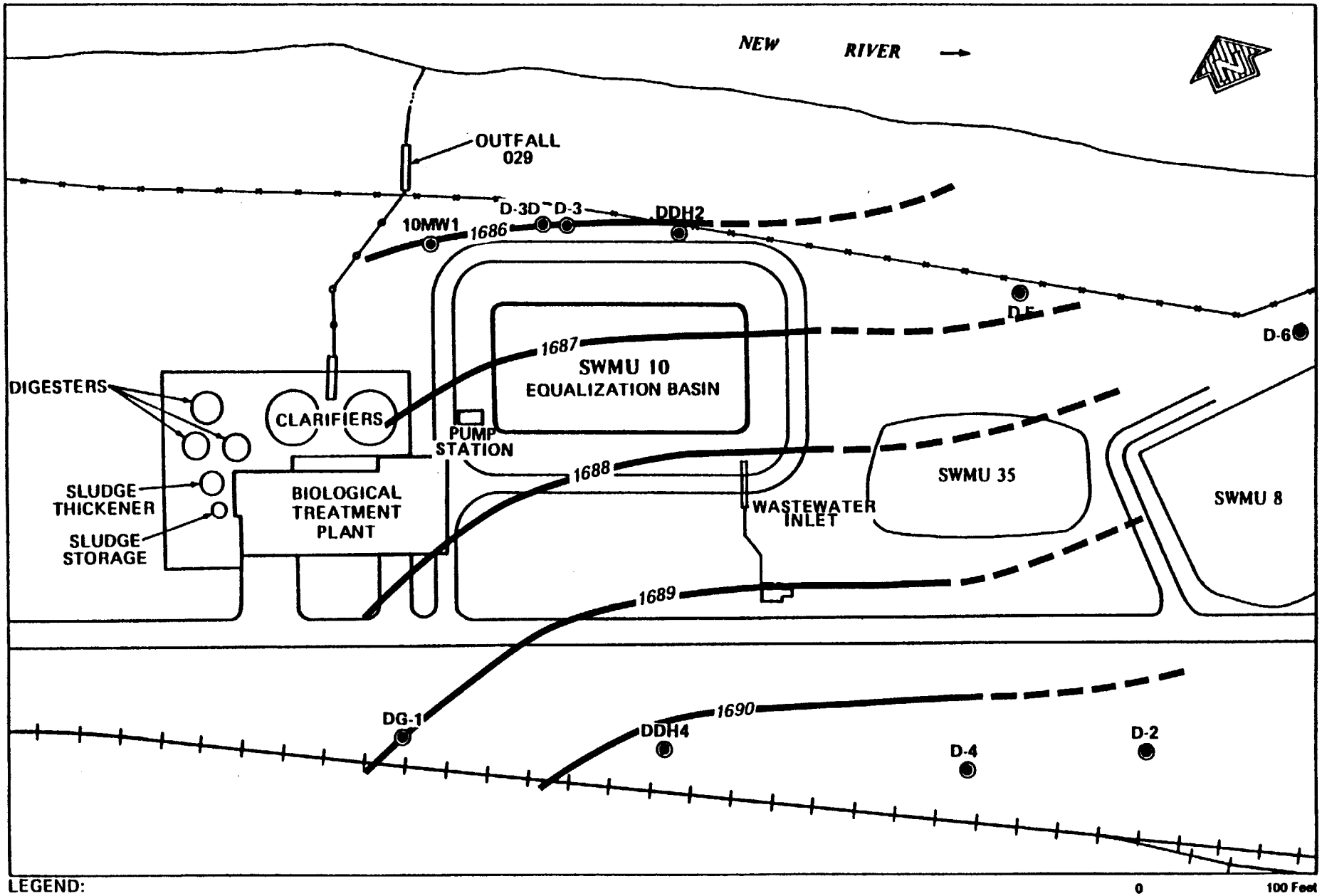
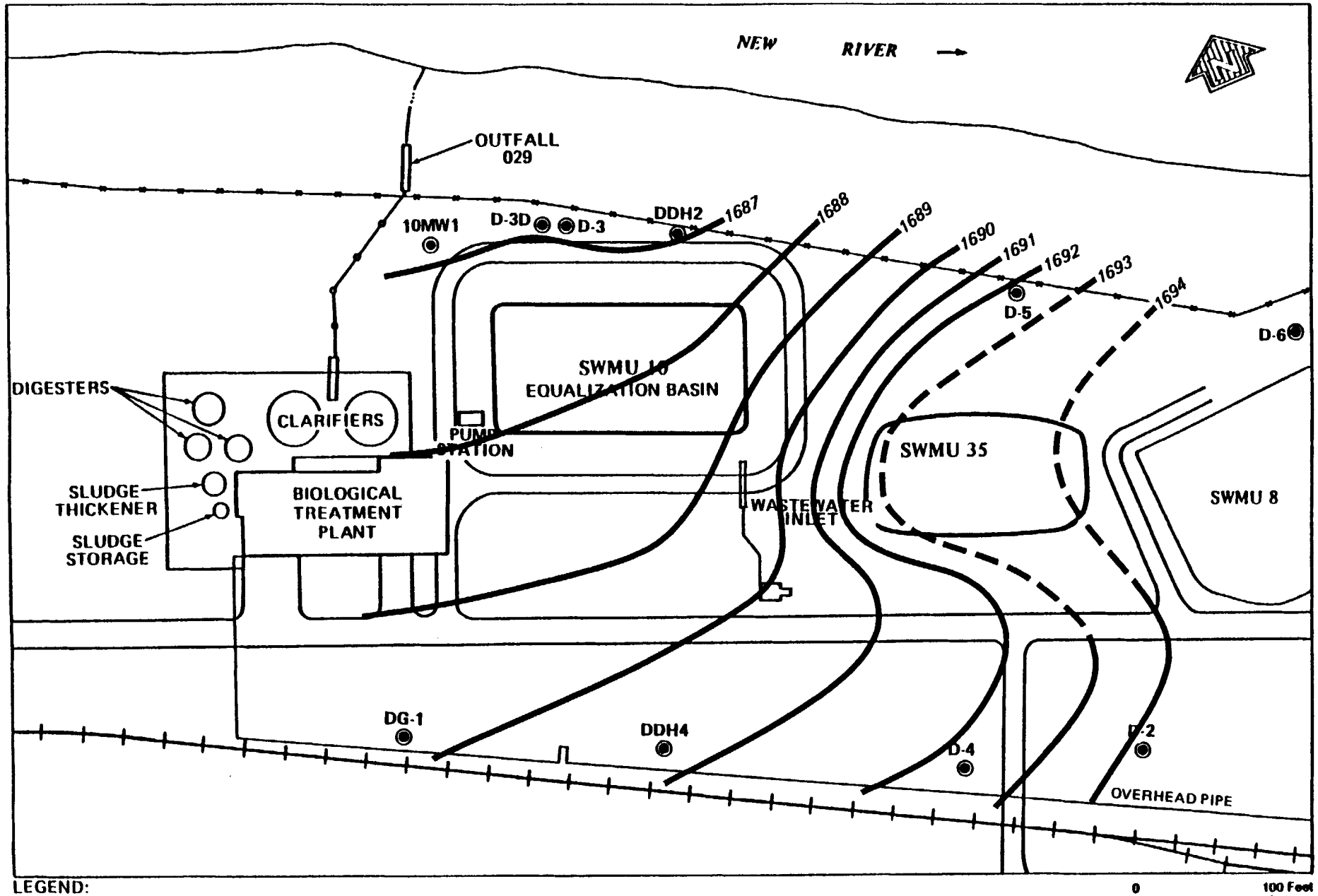


FIGURE 7-7
GROUNDWATER ELEVATION MAP
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Dames & Moore



LEGEND:

- Monitoring Well
- Underground Pipeline
- 1687 Groundwater Elevation Contour (feet msl) March 12, 1992

FIGURE 7-8
GROUNDWATER ELEVATION MAP
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

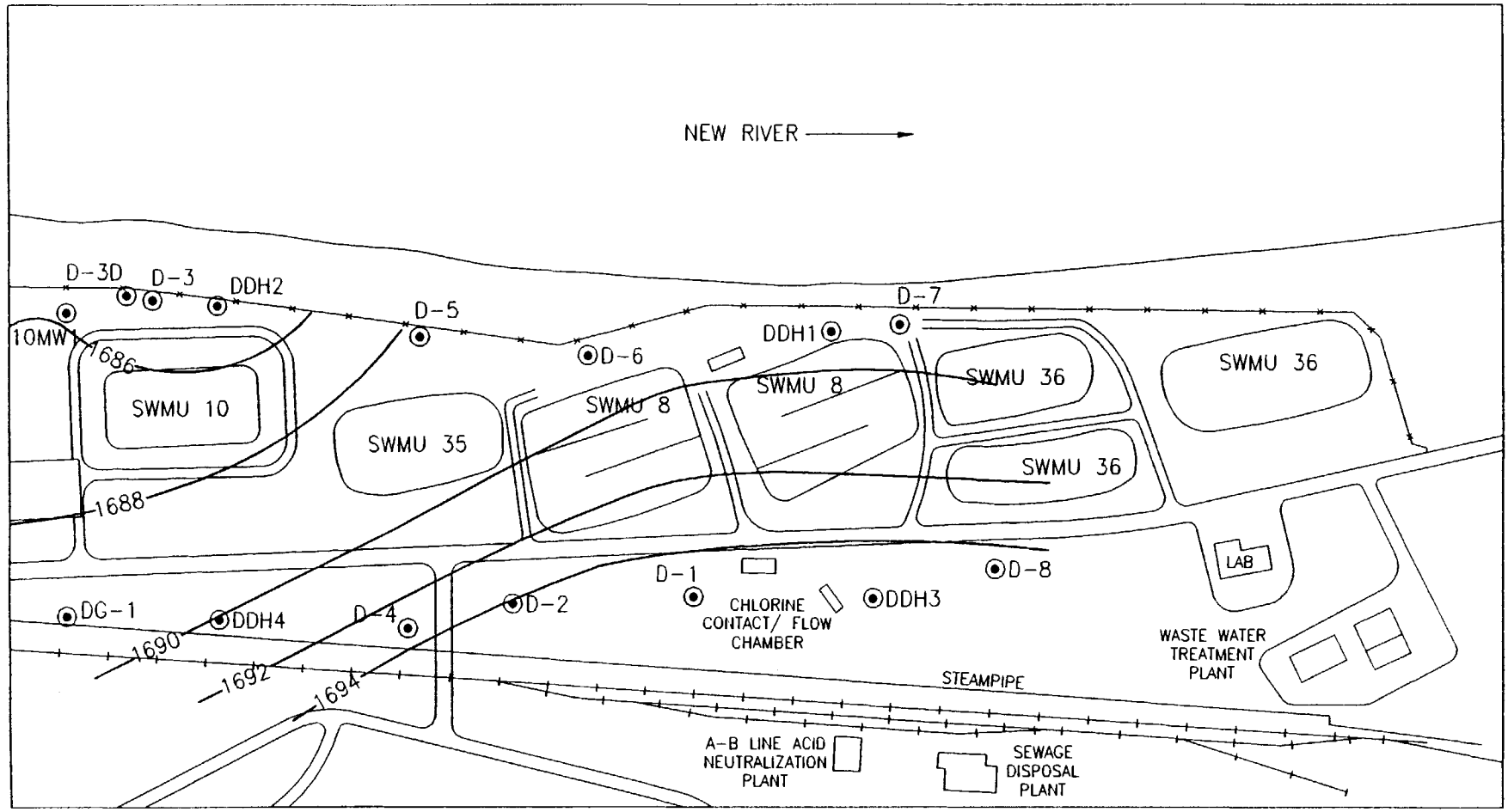
Dames & Moore

area which has a deep ravine leading to the New River. A significant mounding effect (Figure 7-8) appears to be associated with SWMU 35 due to the unlined nature of this basin. Surface water can percolate through this basin and directly recharge the unconfined aquifer. SWMU 8 also appears to cause a mounding effect which alters the groundwater flow in this area since this basin is also unlined. Usually one or both of the basins are full of water.

Additional groundwater measurements obtained from the SWMU 10 area on July 29, 1993 also indicated a significant mounding effect east of SWMU 10 (Table 7-2). As shown in the groundwater contour map for July 29, 1993 (Figure 7-9), this mounding appears to be associated with the Calcium Sulfate Settling Lagoons (SWMU 8), which have been filled with water during the course of the VI field program. Because these lagoons are not lined, water in the basins can directly recharge the water table. As shown in Figure 7-9, the general groundwater flow direction in the area is northward towards the New River at an average hydraulic gradient of about 0.02 feet per foot (ft/ft) (2 percent).

Groundwater flow below the area primarily occurs through three geologic units; the unconsolidated micaceous sand, the unconsolidated sand and gravel, and the consolidated bedrock. The hydrogeological characteristics of each unit are different resulting in different groundwater flow velocities. Previous studies (USACE, 1981; Geophex, 1990) have presented permeability and hydraulic conductivity data for these three geologic layers from six of the seven well borings at SWMU 10. The hydraulic conductivity of the seventh well (10MW1) was calculated from rising-head (slug) tests conducted in 1991. A summary of permeability and hydraulic conductivity data is provided in Table 7-3.

The lowest permeabilities and hydraulic conductivities for the water bearing units are found in the unconsolidated micaceous sand unit, and the highest permeabilities and hydraulic conductivities are found in the sand and gravel. The average permeability/ hydraulic conductivities for the micaceous sand unit are 5.0×10^{-4} centimeters per second (cm/sec) and an average of 2.73×10^{-3} cm/sec for the sand and gravel unit. The hydraulic conductivity measured for bedrock at D-3D was 2.6×10^{-4} cm/sec but the bedrock has irregular water bearing fractures and measured values should always be considered only a rough approximation.



LEGEND:

⊙ MONITORING WELL

–1689– GROUNDWATER ELEVATION CONTOUR (FEET MSL) JULY 29, 1993

N

0 200

(IN FEET)

FIGURE 7-9
GROUNDWATER ELEVATION MAP
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VA

Dames & Moore

TABLE 7-3
SUMMARY OF HYDRAULIC CONDUCTIVITY/PERMEABILITY DATA
SWMU 10 AND SWMU 35
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Well/Boring	Dominent Lithologic Unit	Permeability/ Hydraulic Conductivity (cm/sec)	Type of Test	Reference
DG-1	Sand and Gravel	8.6×10^{-4}	HC	Geophex, 1990
DDH4	Sand and Gravel	9.9×10^{-4}	HC	Geophex, 1990
DDH4	Sand and Gravel	2.17×10^{-3}	P	USACE, 1981
DDH4	Sand and Gravel	8.33×10^{-3}	P	USACE, 1981
DDH4	Micaceous Sand	3.07×10^{-4}	P	USACE, 1981
DDH4	Micaceous Sand	8.65×10^{-4}	P	USACE, 1981
D-4	Micaceous Sand	2.8×10^{-3}	HC	Geophex, 1990
10MW1	Micaceous Sand	$4.5\ 10^{-4}$	HC	Appendix E
D-3D	Bedrock	2.6×10^{-4}	HC	Geophex, 1990
D-3	Micaceous Sand	8.8×10^{-4}	HC	Geophex, 1990
DDH2	Sand and Gravel	1.3×10^{-3}	HC	Geophex, 1990
DDH2	Micaceous Sand	1.73×10^{-4}	P	USACE, 1981
DDH2	Micaceous Sand	2.86×10^{-4}	P	USACE, 1981

P = Permeability
HC = Hydraulic Conductivity

Groundwater in the unconsolidated water table aquifer will flow predominantly through the sand and gravel layer northward but this unit almost pinches out at the basin areas. As the sand and gravel layer pinches out, groundwater would then continue to flow northward to the New River predominantly through the micaceous sand unit. Because the micaceous sand unit is the most likely layer through which potential contaminants may flow if they leak from the basin, knowing the flow velocity for this layer is important for evaluating the study area.

Assuming the representative water bearing unit to be the micaceous sand layer, the groundwater flow velocity may be calculated by knowing the estimated average hydraulic conductivity (5.0×10^{-4} cm/sec), the hydraulic gradient (0.011 ft/ft) as measured from Figure 7-8, and the estimated formation porosity (30 percent). By using the Darcy equation and standard equation of hydraulics, the estimated average linear horizontal groundwater flow velocity is 1.8×10^{-5} cm/sec (19 feet per year (ft/yr)). Substituting the hydraulic gradient measured in July 1993 (0.019 ft/ft), the estimated groundwater flow velocity is 3.3×10^{-5} cm/sec (34 ft/yr).

The horizontal groundwater velocity for the sand and gravel unit can also be estimated using the average hydraulic conductivity/permeability (2.73×10^{-3} cm/sec), the measured gradient (1.1 percent) and an estimate of porosity for sand and gravel (25 percent). Using these values and the Darcy equation gives an average linear velocity of 1.2×10^{-4} cm/sec (124 ft/yr). Substituting the hydraulic gradient measured in July 1993 (0.019 ft/ft), the estimated groundwater flow velocity is 1.8×10^{-4} cm/sec (188 ft/yr).

The estimated porosity of 30 percent used for the micaceous sand layer is based on a range of porosities common for unconsolidated non-plastic silty sand (25-40 percent), and the estimated porosity of 25 percent used for the sand and gravel layer is based on a range of porosities common for unconsolidated sand and gravel mixtures (10-25 percent; Johnson Filtration Systems, Inc., 1986).

A dilution factor was calculated for groundwater migrating from the study area and discharging into the New River in order to assess the potential impact site contamination may have on the quality of the New River water. Dilution of incipient groundwater by the New River

would be important in decreasing the concentrations of potential contaminants released to the river. As shown on Table 7-4, the dilution factor for each month (1991) was estimated using stream-flow data provided by the U.S. Geological Survey for the New River and the estimated groundwater velocities presented above. The average linear groundwater velocity (1992 measurements) was multiplied by the approximate cross-sectional area (500 feet x 5 feet) of the unconsolidated water table aquifer along the northern edge of the Equalization Basin and the effective aquifer porosity to estimate the total aquifer discharge to the New River. This estimated aquifer discharge was then divided into the mean flow rate of the New River to estimate a river dilution factor. The mean monthly surface water/groundwater dilution factors ranged from a minimum of 1,000,000 (September using the maximum groundwater velocity) to a maximum of 10,000,000 (March using the minimum groundwater velocity). The actual month in which groundwater samples were collected (September, 1991) had a flow rate only two-thirds of the mean flow rate for the last 52 years for September and the estimated dilution minimum and maximum factors were correspondingly less--700,000 to 4,000,000 times, respectively.

7.2.4 Surface Water Drainage

The SWMU 10 Equalization Basin is fully encircled by a concrete wall which prevents surface water runoff outside of the basin from mixing with waste in the basin. Runoff in the vicinity of the Bio-Plant would flow northward to the New River following the general drainage pattern downslope to the river. However, runoff south and east of SWMU 10 flows toward the SWMU 35 settling basin, which is an unlined depression. No runoff from SWMU 35 migrates out of the confines of the basin. Because of the aboveground and fully enclosed construction of the Equalization Basin, no significant interaction with surface water leaving the area is likely for SWMU 10.

7.3 CONTAMINATION ASSESSMENT (Revised)

The RCRA permit required groundwater samples to be collected from SWMU 10 and either waste characterization samples or soil and groundwater samples from SWMU 35. The VI Work Plan outlined a program consisting of three well samples for SWMU 10 and one waste characterization sample from SWMU 35. The five investigations for the SWMU 10 and SWMU 35 area performed subsequent to the issuance of the RCRA permit resulted in the collection of

TABLE 7–4
ESTIMATED DILUTION FACTORS FOR GROUNDWATER
DISCHARGING INTO THE NEW RIVER
SWMU 10 AND SWMU 35, RAAP, VIRGINIA

Month	New River Mean Flow[a] (ft^3/sec)	Dilution Factor Min. Vel. 19 ft/year[b]	Dilution Factor Max. Vel. 124 ft/year[c]
January	4153	9E+06	2E+06
February	5310	1E+07	2E+06
March	5927	1E+07	2E+06
April	5520	1E+07	2E+06
May	4479	1E+07	2E+06
June	3451	8E+06	1E+06
July	2793	6E+06	1E+06
August	2647	6E+06	1E+06
September	2531	6E+06	1E+06
October	2772	6E+06	1E+06
November	3059	7E+06	1E+06
December	3655	8E+06	1E+06
Annual Mean	3850	9E+06	2E+06
September 1991[d]	1703	4E+06	7E+05

[a] Monthly mean at Radford, VA since 1940 (USGS, 1992).
[b] Mean flow /(500 ft * 5 ft * 19 ft/year * 30% porosity * 1 year/365 days * 1 day/24 hrs * 1 hr/3600 sec)
[c] Mean flow /(500 ft * 5 ft * 124 ft/year * 25% porosity * 1 year/365 days * 1 day/24 hrs * 1 hr/3600 sec)
[d] Month of Groundwater samples.

a sufficient number of environmental samples to perform an in-depth analysis greater than that needed for the VI required by the RCRA permit. One surface water and one sediment sample have been collected of the waste present in SWMU 10 and three samples were collected from the sediment in SWMU 35. Analytical data for these samples should be considered representative of the maximum contaminant concentrations present at both SWMUs. Two soil samples were collected from the surficial soil adjacent to, but outside of, the SWMU basins and should represent ambient area concentrations which may not be necessarily affected by the waste. One soil sample was also collected from below the SWMU 35 sediment, but above the water table; results should provide an indication of the likelihood of vertical migration of contaminants in this SWMU. Groundwater samples were collected from seven wells outside of the boundaries of the SWMUs at four downgradient and three upgradient locations. Another round of samples were collected from the same wells as a part of the 1993 VI program. One additional upgradient well and downgradient for SWMU 35 were added to this round of sampling in order to better define the magnitude of contamination in the groundwater. The following sections present the evaluation of the environmental samples collected.

7.3.1 Soil

Samples 10SS4 and 10SS5 were collected at a depth of 0.5 foot in a grassy area south of SWMU 10 (Dames & Moore, 1991b). Samples 10SS1, 10SS2 and 10SS3 were collected west of the Bio-Plant building and are not applicable to the basins area, but are included for comparison purposes. Results of the chemical analyses are presented in Table 7-5.

The results of the chemical analyses indicated that concentrations of arsenic and lead in these soil samples exceeded the HBN criteria. Arsenic is not a concern because the levels were less than the soil background criteria (Table 4-14; Appendix C) and reflect concentrations expected to be in natural alluvial soils. Concentrations of barium and chromium exceeded the soil background criteria but are not considered to be a concern because they were less than HBN and TCLP criteria. These metals are not expected to impact surface water, groundwater or underlying soil. However, lead concentrations for both samples were at least 25 times greater than the soil HBN and background criterion, and may be a concern at the site. Sample 10SS1,

Table 7-5
Summary of Analytical Data For Soil Samples Collected At SWMU 10 amd SWMU 35
Radford Army Ammunition Plant, Virginia

SITE ID		10SS1	10SS2	10SS3	10SS4	10SS5	35SS2	
FIELD ID		RADS*9	RADS*8	RADS*7	RADS*1	RADS*2	RADS*6	
S. DATE		21-aug-90	21-aug-90	21-aug-90	21-aug-90	21-aug-90	21-aug-90	
DEPTH (ft)		0.5	0.5	0.5	0.5	0.5	6.0	
MATRIX	PQLs	CSO	CSO	CSO	CSO	CSO	CSO	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG	UGG	UGG
TAL Inorganics								
ARSENIC	30	[5.61]	[0.831 B]	[1.86 B]	[3.69]	[2.19 B]	[1.23 B]	0.5
BARIUM	1	309	360	199	125	254	184	1000
CHROMIUM	4	LT 12.7	23.9	26.2	44.4	LT 12.7	28.5	400
LEAD	2	GT 5000	9.07	9.02	GT 5000	GT 5000	11.4	200
MERCURY	0.1	0.058	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	20
SILVER	4	0.048	LT 0.025	LT 0.025	LT 0.025	0.033	0.04	200
Explosives								
24DNT	0.424	LT 0.424	LT 0.424	LT 0.424	LT 0.424	0.985	LT 0.424	1
Volatiles								
TOLUENE	0.005	LT 0.001	LT 0.001	LT 0.001	LT 0.001	LT 0.001	0.001	1000
TOTAL UNKNOWN TICs	NA	ND	ND	ND	ND	ND	(1)0.036	NSA
Semivolatiles								
2-METHYLNAPHTHALENE	0.3	1.65	LT 0.049	LT 0.049	LT 0.049	LT 0.049	LT 0.049	NSA
24DNT	0.3	LT 0.14	LT 0.14	LT 0.14	LT 0.14	0.342	LT 0.14	1
ACENAPHTHYLENE	0.3	LT 0.033	LT 0.033	LT 0.033	0.168	LT 0.033	LT 0.033	NSA
ANTHRACENE	0.1	LT 0.033	LT 0.033	LT 0.033	0.052	LT 0.033	LT 0.033	40
BENZO [K] FLUORANTHENE	0.02	LT 0.066	LT 0.066	LT 0.066	0.083	LT 0.066	LT 0.066	80
CHRYSENE	0.02	0.781	LT 0.12	LT 0.12	LT 0.12	0.21	LT 0.12	4
DI-N-BUTYL PHTHALATE	0.3	LT 0.061	LT 0.061	LT 0.061	0.098	1.34	LT 0.061	1000
DIBENZOFURAN	0.3	0.48	LT 0.035	LT 0.035	LT 0.035	LT 0.035	LT 0.035	NSA
FLUORANTHENE	0.3	0.211	LT 0.068	LT 0.068	0.158	0.225	LT 0.068	500
FLUORENE	0.3	0.093	LT 0.033	LT 0.033	LT 0.033	LT 0.033	LT 0.033	3200
NAPHTHALENE	0.3	0.888	LT 0.037	LT 0.037	LT 0.037	LT 0.037	LT 0.037	1000
PHENANTHRENE	0.5	0.951	LT 0.033	LT 0.033	0.047	0.094	LT 0.033	40
PYRENE	0.3	0.215	LT 0.033	LT 0.033	LT 0.033	0.162	LT 0.033	1000
Semivolatile TICs								
1-METHYLNAPHTHALENE	NA	1.14 S	ND	ND	ND	ND	ND	NSA
2,6,10,14-TETRAMETHYLPENTADECANE	NA	2.28 S	ND	ND	ND	ND	ND	NSA
2,6-DIMETHYLUNDECANE	NA	1.14 S	ND	ND	ND	ND	ND	NSA
DIMETHYLNAPHTHALENES	NA	1.14 S	ND	ND	ND	ND	ND	NSA
DODECANE	NA	0.91 S	ND	ND	ND	ND	ND	NSA

Table 7-5 (Cont'd)

SITE ID		10SS1	10SS2	10SS3	10SS4	10SS5	35SS2	
FIELD ID		RADS*9	RADS*8	RADS*7	RADS*1	RADS*2	RADS*6	
S. DATE		21-aug-90	21-aug-90	21-aug-90	21-aug-90	21-aug-90	21-aug-90	
DEPTH (ft)		0.5	0.5	0.5	0.5	0.5	6.0	
MATRIX	PQLs	CSO	CSO	CSO	CSO	CSO	CSO	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG	UGG	UGG
Semivolatile TICs								
EICOSANE	NA	1.14 S	ND	ND	ND	ND	ND	NSA
HEPTADECANE	NA	2.28 S	ND	ND	ND	ND	ND	NSA
PENTADECANE	NA	1.14 S	ND	ND	ND	ND	ND	NSA
TETRACOSANE	NA	2.28 S	ND	ND	ND	ND	ND	NSA
TETRADECANE	NA	1.14 S	ND	ND	ND	ND	ND	NSA
TOLUENE	NA	ND	ND	ND	ND	0.114 S	ND	NSA
TOTAL UNKNOWN TICs	NA	(9)10.7	ND	ND	ND	(6)2.06	ND	NSA
TCLP Metals (UGL)								
BARIUM	20	878	1220	337	532	981	238	100000
LEAD	10	5.31 B	5.1 B	3.8 B	13.2 B	6.29 B	6.94 B	5000

Footnotes :

B = Analyte was detected in corresponding method blank; values are flagged if the sample concentration is less than 10 times the method blank concentration for common laboratory constituents and 5 times for all other constituents.

CSO = Chemical soil.

HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).

LT = Concentration is reported as less than the certified reporting limit.

NA = Not available; PQLs are not available for TICs detected in the library scans.

ND = Analyte was not detected.

NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.

PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.

S = Results are based on an internal standard; flag is used for TICs detected in library scans.

TAL = Target Analyte List.

TCLP = Toxicity Characteristic Leaching Procedure.

TICs = Tentatively identified compounds that were detected in the GC/MS library scans.

UGG = Micrograms per gram.

Units(#) = Units are in UGG except for TCLP constituents, which are expressed in UGL.

( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.

[ ] = Brackets indicate that the detected concentration exceeds the HBN.

GT = Concentration is reported as greater than the maximum certified concentration.

collected west of the Bio-Plant building, has a similar lead concentration indicating general plant-wide conditions may be responsible rather than the concentration reflective of SWMU-specific contamination. Although lead has a strong affinity to adsorb to inorganic solids and organic materials, the relatively high concentrations reported in the samples may be a concern to groundwater and nearby surface water, particularly in the presence of a shallow water table, highly permeable soil and low pH or acidic infiltrating precipitation. However, TCLP leachate results for lead were below the regulatory level, thereby indicating that these samples would not be regulated wastes.

The explosive 24DNT, at a concentration of 0.985 micrograms per gram (ug/g), was the only explosive detected and detection was limited to one sample only (10SS5). However, the concentration reported was below the permit HBN of 1 ug/g. No VOCs were detected in either sample.

Several SVOCs were detected in both on-site soil samples as well as sample 10SS1. Most of the detected SVOCs are PAHs and other saturated hydrocarbons which are associated with petroleum products such as commercial coal tar, gasoline, solvents, power plant emissions and coal ash and cinders. These SVOCs probably indicate that fill material used to grade the area is the source of the SVOCs rather than the SWMUs. Although several known and unknown SVOCs were detected, these organic compounds are not considered to be a concern because the concentrations are several orders of magnitude less than applicable HBNs. Many of these organic constituents readily adsorb onto particulate matter, especially in the presence of soil organics, and are not expected to impact soil, groundwater or nearby surface water at the site.

Five metals were detected in the soil sample (13SS2) collected from below the SWMU 35 sediment. The arsenic concentration exceeded the HBN, but this concentration was within the range of background concentrations. The other metals (barium, chromium, lead, and silver) were detected at concentrations below the HBNs and at levels consistent with the background concentrations. The chromium concentration was slightly above the background criterion, but similar to nearby off-site samples 10SS2 and 10SS3. TCLP barium and lead were detected, but the lead concentration was below the practical quantitation limit (PQL), and the barium concentration was lower than the concentrations reported for the other five soil samples collected, and far less than the TCLP criteria.

Toluene was the only VOC detected, but at a concentration below both the PQL and HBN. One VOC tentatively identified compound (TIC) was detected at a low concentration (0.036 ug/g) and should not be considered a concern. No SVOC was detected.

7.3.2 Sediment

One sediment sample was collected from within the Equalization Basin (SWMU 10). Three sediment and one underlying soil samples were collected from the SWMU 35, Calcium Sulfate Drying Bed. Two samples collected in 1990 were analyzed for metals, TCLP metals, explosives, VOCs and SVOCs. The sample collected in 1992 (35SL1) was analyzed for VOCs and TCLP metals only. The results of the chemical analyses for these samples are presented in Table 7-6.

In total, eight metals were detected in the basin and drying bed sediment samples. Of these eight, only arsenic and lead concentrations exceeded HBNs. Arsenic is not considered a concern because the levels detected were less than the soil background criteria and reflect concentrations expected to be in natural alluvial soils. However, lead concentrations in all sediment samples ranged from 25 to 250 times greater than the soil HBN and background criterion and may be a concern at the site. The lead concentration in sample 35SS2 (i.e., 11.4 ug/g) was below the HBN and soil background criterion and indicated that lead contamination in SWMU 35 is likely limited to sediment and sludges above a depth of 6 feet. Only sample 10SE1 would be considered a TCLP hazardous waste due only to the amount of leachable lead. Other TCLP criteria were not exceeded.

Four explosives -- 246TNT, 24DNT, HMX and RDX -- were detected in the Equalization Basin sediment sample 10SE1 at concentrations of 2.36, 94, 1.81 and 2.45 ug/g, respectively. A concentration of 11 ug/g for 24DNT was also detected in one drying bed sample (i.e., 35SE1) only. Only concentrations of 24DNT exceeded HBN criteria for explosives and may be a concern. Note that 24DNT also was detected in the SVOC analyses for 10SE1 at a much higher concentration of 327 ug/g. The analytical result from the explosives analysis is considered to be more definitive as this method has been specifically developed to test for explosives and has a lower PQL.

Table 7-6
Summary of Analytical Data For Sediment Samples Collected At SWMU 10 and SWMU 35
Radford Army Ammunition Plant, Virginia

SITE ID		10SE1	35SE1	35SE2	35SL1	
FIELD ID		RADS*10	RADS*3	RADS*5	RVFS*36	
S. DATE		22-aug-90	21-aug-90	21-aug-90	15-jan-92	
DEPTH (ft)		0.5	4.0	4.0	5.0	
MATRIX	PQLs	CSE	CSE	CSE	CSE	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG
TAL Inorganics						
ARSENIC	30	[3.48]	[3.62]	[5.76]	NT	0.5
BARIUM	1	175	174	304	NT	1000
CHROMIUM	4	85.7	124	122	NT	400
LEAD	2	[GT 50000]	[GT 50000]	[GT 50000]	NT	200
MERCURY	0.1	0.685	0.347	0.472	NT	20
NICKEL	NA	LT 12.6	52.2	80.4	NT	1000
SILVER (GFAA)	0.589	44	29	1.57	NT	200
SILVER(ICP)	2.5	34.6	45	LT 2.5	NT	200
Explosives						
246TNT	0.456	2.36	LT 4.6	LT 5.9	NT	40
24DNT	0.424	[94]	[11]	LT 5.5	NT	1
HMX	0.666	1.81	LT 6.7	LT 8.7	NT	4000
RDX	0.587	2.45	LT 5.9	LT 7.6	NT	63.6
Volatiles						
ACETONE	0.1	0.789	GT 0.1	LT 0.017	LT 0.017	1000
TOLUENE	0.005	GT 1	0.004	0.014	LT 0.001 B	1000
Volatile TICs						
DIMETHYL DISULFIDE	NA	0.383 S	ND	ND	ND	NSA
TOTAL UNKNOWN TICs	NA	(1)0.51	ND	ND	ND	NSA
Semivolatiles						
24DNT	0.3	[327]	LT 2.8	LT 0.14	LT 0.7	1
DI-N-BUTYL PHTHALATE	0.3	491	18.1	0.47	1.37	1000
DIETHYL PHTHALATE	0.3	55	LT 4.8	LT 0.24	LT 1.2	1000
FLUORANTHENE	0.3	4.14	LT 1.36	LT 0.068	LT 0.34	500
N-NITROSODIPHENYLAMINE	0.3	[602]	40	1.23	4.55	100
PHENANTHRENE	0.5	2.63	LT 0.66	0.13	0.531	40
Semivolatile TICs						
HEPTADECANE	NA	ND	ND	0.418 S	ND	NSA
HEXADECANE	NA	5.1 S	ND	ND	ND	NSA

Table 7-6 (Cont'd)

SITE ID		10SE1	35SE1	35SE2	35SL1	
FIELD ID		RADS*10	RADS*3	RADS*5	RVFS*36	
S. DATE		22-aug-90	21-aug-90	21-aug-90	15-jan-92	
DEPTH (ft)		0.5	4.0	4.0	5.0	
MATRIX	PQLs	CSE	CSE	CSE	CSE	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG
Semivolatile TICs						
TOLUENE	NA	25.5 S	ND	0.209 S	ND	NSA
TOTAL UNKNOWN TICs	NA	(17)296	(1)21.2	(5)2.3	(2)776	NSA
TCLP Metals (UGL)						
ARSENIC	10	4.05	LT 2.54	LT 2.54	LT 2.54	5000
BARIUM	20	494	586	255	266	100000
CADMIUM	1	LT 4.01	7.91	LT 4.01	4.12	1000
CHROMIUM	10	LT 6.02	27.9	LT 6.02	LT 6.02	5000
LEAD	10	[8400]	1800	99.8	42.8	5000
NICKEL	NA	160	121	56.6	NT	NSA
SILVER	2	LT 4.6	LT 4.6	LT 4.6	12.9	5000

Footnotes :

B = Analyte was detected in corresponding method blank; values are flagged if the sample concentration is less than 10 times the method blank concentration for common laboratory constituents and 5 times for all other constituents.

CSE = Chemical sediment.

GFAA = Grafite Furnace Atomic Absorption

GT = Greater than; detected value is greater than the maximum certified concentration.

HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).

ICP = Inductively Coupled Plasma

LT = Concentration is reported as less than the certified reporting limit.

NA = Not available; PQLs are not available for TICs detected in the library scans.

ND = Analyte was not detected.

NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.

NT = Not tested; parameters were not tested (included) in the sample analyses.

PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.

S = Results are based on an internal standard; flag is used for TICs detected in library scans.

T = Analyte was detected in corresponding trip blank; values are flagged if the sample concentration is less than 10 times the trip blank concentration for common laboratory constituents and 5 times for all other constituents.

TAL = Target Analyte List.

TCLP = Toxicity Characteristic Leaching Procedure. TCLP criteria included in HBN column for these analyses.

TICs = Tentatively identified compounds that were detected in the GC/MS library scans.

UGG = Micrograms per gram.

Units(#) = Units are in UGG except for TCLP constituents, which are expressed in UGL.

( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.

[ ] = Brackets indicate that the detected concentration exceeds the HBN.

In total, two VOCs and five SVOCs were detected in the sediment samples, but only one SVOC -- N-nitrosodiphenylamine (NNDPA) in sample 10SE1 -- exceeded applicable HBN criteria. The concentration of NNDPA exceeded the HBN by slightly greater than a factor of six and may be a concern. Other reported SVOCs, consisting of phthalate compounds and PAHs, were below HBN criteria and are not a concern. Acetone and toluene were the only VOCs detected in these samples and concentrations were below their respective HBNs.

As demonstrated by the sample results, many contaminants detected in the SWMU 35 sediment were similar to those detected in samples from the Bio-Plant Equalization Basin. The magnitudes of the concentrations also were similar but were generally lower than those from SWMU 10. The only constituent detected in SWMU 35 sediments that was not detected in SWMU 10 was nickel, the concentration of which did not exceed the HBN. These data indicated that potential migration of constituents from the two SWMUs would have a similar impact on groundwater quality.

7.3.3 Groundwater (Revised)

The groundwater evaluation of the SWMU 10 and SWMU 35 area for the VI consisted of collection of three rounds of samples. The first round consisted of sample collection from wells D-3, DDH2 and DDH4 in August 1990 in support of a construction site assessment (Dames & Moore, 1991). The second round samples were collected in September 1991 from wells 10MW1, D-3D, DDH2, DG-1, DDH4, and D-4 for the VI. Based on results of the 1991 VI samples, a third round of samples from wells 10MW1, D-3D, D-3, DDH2, DG-1, DDH4, D-4, D-5 and D-2 was collected in July 1993. The following section presents the evaluation of the samples collected in 1990 and 1991 as presented in the 1992 final draft VI report. The evaluation of the samples collected in 1993 has been added after the discussion of the 1990 and 1991 samples.

A summary of the analytical data for the groundwater samples collected in 1990 and 1991 is presented in Tables 7-7. Chemical results for both filtered and unfiltered metals samples are included in these data.

Table 7-7
Summary of Analytical Data for Groundwater Samples Collected At SWMU 10 and SWMU 35
Radford Army Ammunition Plant, Virginia

SITE ID		10MW1	D-3	D-3(+)	D-3	D-3D	D-3D(+)	D-4	
FIELD ID		RDWA*7	RDWA*3	RDWAU*3	RADW*4	RDWA*2	RDWAU*2	RDWA*4	
S. DATE		13-sep-91	17-sep-91	17-sep-91	22-aug-90	17-sep-91	17-sep-91	20-sep-91	
DEPTH (ft)		21.0	28.0	28.0	28.0	58.0	58.0	28.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
TAL Inorganics									
ALUMINIUM	141	LT 141	278	7270	NT	LT 141	558	LT 141	101500
ANTIMONY	30	LT 38	LT 38	LT 38	LT 38	LT 38	LT 38	LT 38	10
ARSENIC	10	LT 2.54	LT 2.54	LT 2.54	LT 2.54	LT 2.54	LT 2.54	LT 2.54	50
BARIUM	20	97.2	29.3	76.8	31.6	35	41.8	99.1	1000
CALCIUM	500	70900	169000	177000	NT	158000	156000	37900	NSA
CHROMIUM	10	LT 6.02	LT 6.02	12.9	LT 6.02	LT 6.02	LT 6.02	LT 6.02	50
COBALT	70	LT 25	LT 25	LT 25	NT	LT 25	LT 25	LT 25	0.35
COPPER	60	LT 8.09	17.1	31.6	NT	LT 8.09	12.3	LT 8.09	1295
IRON	38.1	LT 38.8	270	13800	NT	LT 38.8	645	LT 38.8	NSA
LEAD	10	LT 1.26	3.36	17.7	2.49 B	LT 1.26	6.83	LT 1.26	50
MAGNESIUM	500	24200	44800	53500	NT	41200	41100	19600	NSA
MANGANESE	2.75	2.87	108	351	NT	LT 2.75	26.9	13.6	3500
NICKEL	50	LT 34.3	LT 34.3	LT 34.3	LT 34.3	LT 34.3	LT 34.3	LT 34.3	700
POTASSIUM	375	1930	1650	3810	NT	1170	1910	1180	NSA
SILVER	2	LT 0.25	LT 0.25	LT 0.25	NT	LT 0.25	LT 0.25	LT 0.25	50
SODIUM	500	13500	14400	14400	NT	16600	16600	8240	NSA
VANADIUM	40	LT 11	LT 11	25.6	NT	LT 11	LT 11	LT 11	245
ZINC	50	LT 21.1	28.3	122	NT	LT 21.1	47.1	LT 21.1	7000
Explosives									
24DNT	0.064	[0.072 C]	LT 0.064	NT	NT	[0.183 C]	NT	LT 0.064	0.05
26DNT	0.074	LT 0.074	LT 0.074	NT	NT	LT 0.074	NT	LT 0.074	0.051
HMX	1.21	2.57 C	3.4 C	NT	8.37 C	2.82 C	NT	4.24 C	1750
TETRYL	NA	NT	NT	NT	1.19	NT	NT	NT	NSA
Volatiles									
1,2-DICHLOROETHANE	5	LT 0.5	LT 0.5	NT	LT 0.5	0.583	NT	LT 0.5	5
CARBON DISULFIDE	5	1.13	0.737	NT	LT 0.5	2.61	NT	LT 0.5	4000
CHLOROFORM	5	1.74 B	1.54 B	NT	LT 0.5	2.05 B	NT	8.51	600
CHLOROMETHANE	10	LT 3.2	LT 3.2	NT	LT 3.2	LT 3.2	NT	5.67	30
TOLUENE	5	LT 0.5	LT 0.5	NT	LT 0.5	LT 0.5	NT	LT 0.5	10000
Semivolatiles									
BIS(2-ETHYLHEXYL) PHTHALATE	10	LT 4.8	LT 4.8	NT	LT 4.8	[4.73]	NT	LT 4.8	3
Semivolatile TICs									
CAPROLACTAM	NA	ND	ND	ND	ND	30 S	ND	ND	NSA

Table 7-7 (Cont'd)

SITE ID		10MW1	D-3	D-3(+)	D-3	D-3D	D-3D(+)	D-4	
FIELD ID		RDWA*7	RDWA*3	RDWAU*3	RADW*4	RDWA*2	RDWAU*2	RDWA*4	
S. DATE		13-sep-91	17-sep-91	17-sep-91	22-aug-90	17-sep-91	17-sep-91	20-sep-91	
DEPTH (ft)		21.0	28.0	28.0	28.0	58.0	58.0	28.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Semivolatile TICs									
TOTAL UNKNOWN TICs	NA	(3)19	(1)4	ND	ND	(4)47	ND	(1)5	NSA
Other									
CHLORIDE	1000	18900	21100	NT	NT	21300	NT	17800	NSA
NITRITE,NITRATE	100	520	[26000]	NT	NT	[30000]	NT	110	10000
NITROGEN BY KJELDAHL METHOD	NA	257	686	NT	NT	914	NT	667	NSA
PHENOLICS (NON-SPECIFIC)	NA	LT 7.12	LT 7.12	NT	NT	40.8	NT	LT 7.12	NSA
PHOSPHATE	NA	139	297	NT	NT	64.4	NT	1500	NSA
SULFATE	NA	28000	180000	NT	NT	235000	NT	13900	NSA
TOTAL ORGANIC CARBON	1000	6920	22300	NT	NT	9630	NT	6280	NSA
TOTAL ORGANIC HALOGENS	1	97.8	99.3	NT	NT	156	NT	68.4	NSA
pH	NA	8.13 K	8.23	NT	NT	7.87	NT	6.99 K	NSA

Table 7-7 (Cont'd)

SITE ID		D-4 (+)	DDH2	DDH2	DDH2	DDH2	DDH2 (+)	DDH2	
FIELD ID		RDWAU*4	RDWA*31	RDWA*32	RDWA*33	RDWA*5	RDWAU*5	RADW*3	
S. DATE		20-sep-91	19-sep-91	19-sep-91	19-sep-91	19-sep-91	19-sep-91	22-aug-90	
DEPTH (ft)		28.0	24.0	24.0	24.0	24.0	24.0	24.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
TAL Inorganics									
ALUMINIUM	141	23800	NT	NT	NT	LT 141	697	NT	101500
ANTIMONY	30	LT 38	NT	NT	NT	LT 38	LT 38	LT 38	10
ARSENIC	10	4.16	NT	NT	NT	LT 2.54	LT 2.54	LT 2.54	50
BARIUM	20	285	NT	NT	NT	16.8	28.1	27.3	1000
CALCIUM	500	88700	NT	NT	NT	210000	209000	NT	NSA
CHROMIUM	10	[92.1]	NT	NT	NT	LT 6.02	6.19	LT 6.02	50
COBALT	70	LT 25	NT	NT	NT	LT 25	LT 25	NT	0.35
COPPER	60	47.9	NT	NT	NT	9.04	8.89	NT	1295
IRON	38.1	66100	NT	NT	NT	LT 38.8	2450	NT	NSA
LEAD	10	[100]	NT	NT	NT	LT 1.26	4.23	2.82 B	50
MAGNESIUM	500	61800	NT	NT	NT	36500	38300	NT	NSA
MANGANESE	2.75	528	NT	NT	NT	3.79	81.5	NT	3500
NICKEL	50	LT 34.3	NT	NT	NT	LT 34.3	LT 34.3	LT 34.3	700
POTASSIUM	375	6320	NT	NT	NT	546	827	NT	NSA
SILVER	2	LT 0.25	NT	NT	NT	LT 0.25	LT 0.25	NT	50
SODIUM	500	8160	NT	NT	NT	20400	19800	NT	NSA
VANADIUM	40	83.6	NT	NT	NT	LT 11	LT 11	NT	245
ZINC	50	115	NT	NT	NT	LT 21.1	26	NT	7000
Explosives									
24DNT	0.064	NT	NT	NT	NT	LT 0.064	NT	NT	0.05
26DNT	0.074	NT	NT	NT	NT	[0.082 C]	NT	NT	0.051
HMX	1.21	NT	NT	NT	NT	5.33 C	NT	2.27 C	1750
TETRYL	NA	NT	NT	NT	NT	NT	NT	LT 0.556	NSA
Volatiles									
1,2-DICHLOROETHANE	5	NT	NT	NT	NT	1.51	NT	LT 0.5	5
CARBON DISULFIDE	5	NT	NT	NT	NT	2.49	NT	LT 0.5	4000
CHLOROFORM	5	NT	NT	NT	NT	1.54	NT	LT 0.5	600
CHLOROMETHANE	10	NT	NT	NT	NT	13.7	NT	LT 3.2	30
TOLUENE	5	NT	NT	NT	NT	LT 0.5	NT	LT 0.5	10000
Semivolatiles									
BIS(2-ETHYLHEXYL) PHTHALATE	10	NT	NT	NT	NT	LT 4.8	NT	LT 4.8	3
Semivolatile TICs									
CAPROLACTAM	NA	ND	ND	ND	ND	ND	ND	ND	NSA

Table 7-7 (Cont'd)

SITE ID		10MW1	D-3	D-3 (+)	D-3	D-3D	D-3D (+)	D-4	
FIELD ID		RDWA*7	RDWA*3	RDWAU*3	RADW*4	RDWA*2	RDWAU*2	RDWA*4	
S. DATE		13-sep-91	17-sep-91	17-sep-91	22-aug-90	17-sep-91	17-sep-91	20-sep-91	
DEPTH (ft)		21.0	28.0	28.0	28.0	58.0	58.0	28.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Semivolatile TICs									
TOTAL UNKNOWN TICs	NA	(3)19	(1)4	ND	ND	(4)47	ND	(1)5	NSA
Other									
CHLORIDE	1000	18900	21100	NT	NT	21300	NT	17800	NSA
NITRITE,NITRATE	100	520	[26000]	NT	NT	[30000]	NT	110	10000
NITROGEN BY KJELDAHL METHOD	NA	257	686	NT	NT	914	NT	667	NSA
PHENOLICS (NON-SPECIFIC)	NA	LT 7.12	LT 7.12	NT	NT	40.8	NT	LT 7.12	NSA
PHOSPHATE	NA	139	297	NT	NT	64.4	NT	1500	NSA
SULFATE	NA	28000	180000	NT	NT	235000	NT	13900	NSA
TOTAL ORGANIC CARBON	1000	6920	22300	NT	NT	9630	NT	6280	NSA
TOTAL ORGANIC HALOGENS	1	97.8	99.3	NT	NT	156	NT	68.4	NSA
pH	NA	8.13 K	8.23	NT	NT	7.87	NT	6.99 K	NSA

Table 7-7 (Cont'd)

SITE ID		DDH4	DDH4	DDH4	DDH4	DDH4 (+)	DDH4	DG-1	
FIELD ID		RDWA*34	RDWA*35	RDWA*36	RDWA*6	RDWAU*6	RADW*2	RDWA*1	
S. DATE		19-sep-91	19-sep-91	19-sep-91	19-sep-91	19-sep-91	22-aug-90	19-sep-91	
DEPTH (ft)		27.0	27.0	27.0	27.0	27.0	27.0	28.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
TAL Inorganics									
ALUMINIUM	141	NT	NT	NT	LT 141	22400	NT	LT 141	101500
ANTIMONY	30	NT	NT	NT	LT 38	LT 38	LT 38	LT 38	10
ARSENIC	10	NT	NT	NT	LT 2.54	LT 2.54	LT 2.54	LT 2.54	50
BARIUM	20	NT	NT	NT	58.3	280	63.9	87.5	1000
CALCIUM	500	NT	NT	NT	43500	54300	NT	48900	NSA
CHROMIUM	10	NT	NT	NT	LT 6.02	45.4	LT 6.02	LT 6.02	50
COBALT	70	NT	NT	NT	LT 25	LT 25	NT	LT 25	0.35
COPPER	60	NT	NT	NT	LT 8.09	183	NT	LT 8.09	1295
IRON	38.1	NT	NT	NT	LT 38.8	83600	NT	LT 38.8	NSA
LEAD	10	NT	NT	NT	1.63	39.6	4.88 B	LT 1.26	50
MAGNESIUM	500	NT	NT	NT	23100	51800	NT	24400	NSA
MANGANESE	2.75	NT	NT	NT	LT 2.75	2640	NT	3.36	3500
NICKEL	50	NT	NT	NT	LT 34.3	52.6	LT 34.3	LT 34.3	700
POTASSIUM	375	NT	NT	NT	888	7720	NT	1150	NSA
SILVER	2	NT	NT	NT	LT 0.25	0.443	NT	LT 0.25	50
SODIUM	500	NT	NT	NT	8230	7820	NT	8190	NSA
VANADIUM	40	NT	NT	NT	LT 11	83	NT	LT 11	245
ZINC	50	NT	NT	NT	LT 21.1	231	NT	LT 21.1	7000
Explosives									
24DNT	0.064	NT	NT	NT	LT 0.064	NT	NT	LT 0.064	0.05
26DNT	0.074	NT	NT	NT	LT 0.074	NT	NT	LT 0.074	0.051
HMX	1.21	NT	NT	NT	7.01 C	NT	10.1 C	5.59 C	1750
TETRYL	NA	NT	NT	NT	NT	NT	LT 0.556	NT	NSA
Volatiles									
1,2-DICHLOROETHANE	5	NT	NT	NT	LT 0.5	NT	LT 0.5	LT 0.5	5
CARBON DISULFIDE	5	NT	NT	NT	LT 0.5	NT	LT 0.5	LT 0.5	4000
CHLOROFORM	5	NT	NT	NT	7.79	NT	1.74	6.67	600
CHLOROMETHANE	10	NT	NT	NT	LT 3.2	NT	LT 3.2	LT 3.2	30
TOLUENE	5	NT	NT	NT	0.873	NT	LT 0.5	0.667	10000
Semivolatiles									
BIS(2-ETHYLHEXYL) PHTHALATE	10	NT	NT	NT	LT 4.8	NT	LT 4.8	LT 4.8	3
Semivolatile TICs									
CAPROLACTAM	NA	ND	ND	ND	ND	ND	ND	ND	NSA

Table 7-7 (Cont'd)

SITE ID		DDH4	DDH4	DDH4	DDH4	DDH4 (+)	DDH4	DG-1	
FIELD ID		RDWA*34	RDWA*35	RDWA*36	RDWA*6	RDWAU*6	RADW*2	RDWA*1	
S. DATE		19-sep-91	19-sep-91	19-sep-91	19-sep-91	19-sep-91	22-aug-90	19-sep-91	
DEPTH (ft)		27.0	27.0	27.0	27.0	27.0	27.0	28.0	
MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	CGW	CGW	HBN
UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Semivolatile TICs									
TOTAL UNKNOWN TICs	NA	ND	ND	ND	(3)308	ND	ND	(1)6	NSA
Other									
CHLORIDE	1000	NT	NT	NT	17200	NT	NT	19100	NSA
NITRITE,NITRATE	100	NT	NT	NT	15.1	NT	NT	3000	10000
NITROGEN BY KJELDAHL METHOD	NA	NT	NT	NT	314	NT	NT	1050	NSA
PHENOLICS (NON-SPECIFIC)	NA	NT	NT	NT	LT 7.12	NT	NT	LT 7.12	NSA
PHOSPHATE	NA	NT	NT	NT	990	NT	NT	2000	NSA
SULFATE	NA	NT	NT	NT	11900	NT	NT	13900	NSA
TOTAL ORGANIC CARBON	1000	3710	3310	3620	3420	NT	NT	8720	NSA
TOTAL ORGANIC HALOGENS	1	250	199	198	208	NT	NT	142	NSA
pH	NA	NT	NT	NT	6.83	NT	NT	7.37	NSA

Table 7-7 (Cont'd)

SITE ID		DG-1 (+)	
FIELD ID		RDWAU*1	
S. DATE		19-sep-91	
DEPTH (ft)		28.0	
MATRIX	PQLs	CGW	HBN
UNITS	UGL	UGL	UGL
TAL Inorganics			
ALUMINIUM	141	89000	101500
ANTIMONY	30	[62.7]	10
ARSENIC	10	LT 2.54	50
BARIUM	20	972	1000
CALCIUM	500	120000	NSA
CHROMIUM	10	[107]	50
COBALT	70	[48.9]	0.35
COPPER	60	73.2	1295
IRON	38.1	124000	NSA
LEAD	10	[60.3]	50
MAGNESIUM	500	118000	NSA
MANGANESE	2.75	[6180]	3500
NICKEL	50	89.9	700
POTASSIUM	375	21100	NSA
SILVER	2	LT 0.25	50
SODIUM	500	8380	NSA
VANADIUM	40	201	245
ZINC	50	587	7000
Explosives			
24DNT	0.064	NT	0.05
26DNT	0.074	NT	0.051
HMX	1.21	NT	1750
TETRYL	NA	NT	NSA
Volatiles			
1,2-DICHLOROETHANE	5	NT	5
CARBON DISULFIDE	5	NT	4000
CHLOROFORM	5	NT	600
CHLOROMETHANE	10	NT	30
TOLUENE	5	NT	10000
Semivolatiles			
BIS(2-ETHYLHEXYL) PHTHALATE	10	NT	3
Semivolatile TICs			
CAPROLACTAM	NA	ND	NSA

Table 7-7 (Cont'd)

SITE ID		DG-1 (+)	
FIELD ID		RDWAU*1	
S. DATE		19-sep-91	
DEPTH (ft)		28.0	
MATRIX	PQLs	CGW	HBN
UNITS	UGL	UGL	UGL
Semivolatile TICs			
TOTAL UNKNOWN TICs	NA	ND	NSA
Other			
CHLORIDE	1000	NT	NSA
NITRITE,NITRATE	100	NT	10000
NITROGEN BY KJELDAHL METHOD	NA	NT	NSA
PHENOLICS (NON-SPECIFIC)	NA	NT	NSA
PHOSPHATE	NA	NT	NSA
SULFATE	NA	NT	NSA
TOTAL ORGANIC CARBON	1000	NT	NSA
TOTAL ORGANIC HALOGENS	1	NT	NSA
pH	NA	NT	NSA

Footnotes:

B = Analyte was detected in corresponding method blank; values are flagged if the sample concentration is less than 10 times the method blank concentration for common laboratory constituents and 5 times for all other constituents.
C = Indicates that analysis was confirmed using a second column.
CGW = Chemical groundwater.
HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).
K = Indicates holding time for extraction and preparation was not met, but data quality is not believed to be affected.
LT = Concentration is reported as less than the certified reporting limit.
NA = Not available; PQLs are not available for TICs detected in the library scans.
ND = Analyte was not detected.
NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.
NT = Not tested; parameters were not tested (included) in the sample analyses.
PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.
S = Results are based on an internal standard; flag is used for TICs detected in library scans.
TAL = Target Analyte List.
TCLP = Toxicity Characteristic Leaching Procedure.
TICs = Tentatively identified compounds that were detected in the GC/MS library scans.
UGL = Micrograms per liter.
( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.
+ = Indicates that sample was analyzed for unfiltered TAL metals only.
[ ] = Brackets indicate that the detected concentration exceeds the HBN.

As indicated in Table 7-7, 18 metals were detected in one or more of the samples analyzed. The majority of the metals detected and the highest concentrations were present in unfiltered samples from upgradient wells DG-1 and DDH4. The unfiltered sample from well DG-1 exhibited the greatest number of constituents at generally the maximum concentrations. As expected, the unfiltered samples contained higher concentrations of constituents than the corresponding filtered samples from the same well.

Several of the constituents detected, such as aluminum, calcium, iron, potassium, magnesium and sodium, can be characterized as naturally occurring inorganics. The concentrations of these metals are within the range that would be expected for groundwater in a karst environment containing carbonate and dolomite rocks.

Metals that were detected above HBN criteria were antimony, chromium, cobalt, lead and manganese but detections above HBN criteria were limited to two unfiltered samples from upgradient wells D-4 and DG-1. All five metals were detected in the sample from well DG-1 while only chromium and lead were detected in the sample from well D-4. Generally, most of the elevated concentrations were approximately twice the HBN, but antimony and cobalt in the sample from DG-1 were nearly one to more than two orders of magnitude greater than the criteria. These metals are not related to SWMU 10 or SWMU 35 concentrations because the concentrations were detected in upgradient samples and represent source areas other than these SWMUs. These levels likely represent elements extracted from the aquifer soil and rock and may not reflect constituents transported in solution by groundwater.

With a few exceptions, concentrations of dissolved metals reported for filtered samples indicated similar groundwater quality upgradient and downgradient of SWMU 10. However, the results of samples D-4, DG-1 and DDH4 indicated that upgradient groundwater may be slightly enriched in barium. Additionally, aluminum, copper, iron and zinc were absent in filtered upgradient samples but were detected in one or more downgradient groundwater samples. Lead, although detected in one upgradient sample (but at a level only slightly greater than the detection limit), was detected at slightly elevated concentrations in two downgradient samples (i.e., D-3 and D-3D) as well. However, all metal concentrations for filtered samples are below HBN criteria and are not considered a concern.

HMX, 24DNT and 26DNT were the only explosives detected in the 1991 samples. HMX was present in all seven wells with the highest concentration reported in upgradient well DDH4; however, all values were at least two orders of magnitude below the HBN of 1,750 micrograms per liter (ug/l). The upgradient concentrations of HMX were greater than the downgradient concentrations except for well DDH2 which was greater than one of the upgradient samples (D-4). 26DNT was present in one sample collected from downgradient well DDH2. The detected concentration of 0.082 ug/l was close to the detection limit of 0.074 ug/l. Due to its suspected carcinogenicity, the HBN is very low, 8.051 ug/l, and any detections generally exceed the HBN. 24DNT was detected in two downgradient wells (10MW1 and D-3D), at concentrations (0.072 ug/l and 0.183 ug/l, respectively) which exceeded the HBN (0.05 ug/l).

In the 1990 samples, HMX was detected in each of the three wells sampled with the upgradient concentration also greater (10.1 ug/l) than the two downgradient samples (8.37 and 2.27 ug/l). Tetryl was detected only once in any sample collected in the study area, and this was in the 1990 groundwater sample from D-3 at 1.19 ug/l.

Five VOCs -- carbon disulfide, chloroform, chloromethane, 1,2-dichloroethane (12DCLE), and toluene -- were detected in the groundwater samples. No VOC concentration exceeded a HBN criterion. Carbon disulfide was present in each of the four downgradient samples but in none of the upgradient samples collected in 1991. However, all concentrations were three orders of magnitude less than the HBN criterion and are not considered a concern. Similarly, 12DCLE was only detected downgradient in samples from wells D-3D and DDH2. The concentrations, however, were below the HBN criterion. Chloroform was detected in all wells sampled. However, chloroform was detected in several laboratory method blanks, indicating that it is an artifact of the laboratory analyses. Chloromethane and toluene were detected in one downgradient sample (DDH2) and several upgradient well samples at low concentrations that did not exceed the HBN criteria for these VOCs.

One SVOC and one SVOC TIC was detected in downgradient sample D-3D. Although detected at a concentration greater than the HBN, the SVOC B2EHP is not considered a concern because it slightly exceeded the HBN criteria at a level below the PQL and was detected in one sample only. Caprolactum, a SVOC TIC, was tentatively identified and the concentration is an

estimate based on an internal standard. The total concentration of unidentified TICs for each sample was reported. The highest concentration of TICs occurred in upgradient sample DDH4.

Several other water quality parameters were reported for the groundwater samples. Nitrogen, chloride, sulfate, total phosphorus, and total phenols were analyzed to establish the general groundwater quality in the study area. Except for phenol, these constituents were detected in both upgradient and downgradient wells. Nitrogen, chloride, and sulfate were generally detected at higher concentrations in the downgradient samples. Nitrite/nitrate concentrations of samples D-3, D-3D and DDH2, which are located directly downgradient of the Equalization Basin, exceeded the HBN criterion by factors of approximately two to four and may be a concern. Although no HBN criterion is available for sulfate, downgradient concentrations of sulfate were elevated above the background levels. The occurrence of nitrogen may be the result of the construction of SWMU 10 on an old nitrocellulose settling lagoon. The sulfate may be attributable to the migration of constituents from the calcium sulfate drying beds. Elevated total phosphorus samples, in comparison to the downgradient concentration, indicated potential contaminant sources upgradient of SWMUs 10 and 35.

As discussed previously, the SWMU 10 area was the subject of a Virginia Department of Waste Management (now known as VDEQ) directed investigation (Dames & Moore, 1992). As part of this study, upgradient verses downgradient statistical comparisons of indicator parameters from groundwater samples was required. TOX, TOC, pH, and specific conductance were analyzed as indicators of groundwater contamination. Four replicate downgradient measurements from DDH2 were compared with four replicate upgradient measurements from DDH4 to determine if there has been a statistically significant increase in downgradient constituent levels. These data were used to assess the impact of activities at SWMU 10 on groundwater quality.

The statistical comparison was performed using the Student's T-Test at the 0.01 level of significance. A one-tailed test was used for all parameters except pH, since the concern was for significant increases over background. A two-tailed test was used for pH since both significant increases and decreases were of concern.

Cochran's Approximation to the Behrens-Fisher Student's T-Test, as described in Appendix 10.4 of the Virginia Hazardous Waste Management Regulations (VHMR), was used for the statistical calculations (VDWM, 1988). This method involved the calculation of the background (upgradient) and downgradient sample means and variances for each variable measured. The resulting statistics are used to estimate a sample population t-statistic (t*) and compare it to a tabulated t-statistic (t_c) based on the standard normal deviate. If t* is equal to or larger than t_c, the data would indicate that the downgradient water-quality parameter is not equal to that of the upgradient samples at an acceptable level of significance or risk (i.e., level of probability). The opposite conclusion would be reached if t* is less than t_c. If the t* value is negative (except for pH) then there is most likely no significant difference in the monitoring data and the background data. This comparison of t* and t_c was performed for each indicator parameter.

For subsequent analysis of monitoring wells, such as in quarterly sampling, the statistical analysis should be performed not only on the background and the downgradient monitoring wells, but each set of quarterly data should be compared with earlier measurements (i.e., baseline data) from the same well to determine if there have been statistically significant changes in groundwater quality at each monitoring point.

As indicated in Table 7-8, TOX was determined to be statistically lower in the downgradient well; pH was calculated to be within the same range as the upgradient well. Both TOC and specific conductance were determined to show a statistically significant increase greater than background. This indicates that the downgradient well DDH2 contains more organic carbon and dissolved ionic constituents, which suggests a possible impact on the groundwater quality from activities at SWMU 10.

Groundwater samples were collected in 1993 from five wells located downgradient of SWMU 10 (10MW1, D-3D, D-3 and DDH2) and SWMU 35 (D-5) and from four wells upgradient (DG-1, DDH4, D-4 and D-2) of these SWMUs. Based on the analytical results of the 1990 and 1991 samples and the recommendations in the final draft VI report, the analytical parameters were limited to total and dissolved lead and chromium, explosives, TOC, TOX, nitrite/nitrate, total kjeldahl nitrogen (TKN), sulfate and pH. A duplicate sample was also

TABLE 7-8
CALCULATION OF STUDENT'S T-TEST FOR GROUNDWATER SAMPLES
IN THE VICINITY OF SWMU 10
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

		Upgradient Groundwater Measurements From Well DDH4						
Compound[1]	Units	Replicate 1	Replicate 2	Replicate 3	Replicate 4	n(b)	x(b)	s2(b)
TOC	ug/L	3420	3710	3310	3620	4	3515.00	33366.67
TOX	ug/L	208	250	199	198	4	213.75	604.25
Specific Conductance	umhos/cm	400	400	400	400	4	400.00	0.00
pH	--	6.84	7.02	6.97	7.17	4	7.00	0.02

		Downgradient Groundwater Measurements From Well DDH2						
Compound[2]	Units	Replicate 1	Replicate 2	Replicate 3	Replicate 4	n(s)	x(s)	s2(s)
TOC	ug/L	5080	6420	6550	6190	4	6060.00	449000.00
TOX	ug/L	79.1	115	148	93.5	4	108.90	897.07
Specific Conductance	umhos/cm	1180	1180	1160	1120	4	1160.00	800.00
pH	--	6.38	6.61	6.71	6.68	4	6.60	0.02

[1] TOC = Total Organic Carbon
TOX = Total Organic Halogens

TABLE 7-8 (CONT'D)

CALCULATED t VALUES :

Analyte	t*	t(c)	Is t* > t(c) ?
TOC	7.33	((V19/R19*4.541)+(\	YES
TOX	-5.41	((V20/R20*4.541)+(\	No
Specific Conductance	53.74	((V22/R22*4.541)+(\	YES
pH	4.01	((V23/R23*5.841)+(\	No

EQUATIONS :

$$t^* = \frac{x(s) - x(b)}{(s2(s)/n(s) + s2(b)/n(b))^{0.5}}$$

Where :

t* = the calculated value of the t-statistic to be compared to t(c), the comparison t-statistic.
n(b) = number of background measurements
x(b) = background mean
s2(b) = background variance
n(s) = number of monitoring well area measurements
x(s) = monitoring sample mean
s2(s) = monitoring sample variance

$$t(c) = \frac{W(b)*t(b) + W(s)*t(s)}{W(b) + W(s)}$$

Where :

t(b) = t-value from standard t-table with [n(b)-1] degrees of freedom at the 0.01 level of significance.
t(b) = 4.541 for TOC, TOX, and specific conductance
t(b) = 5.841 for pH
t(s) = t-value from standard t-table with [n(s)-1] degrees of freedom at the 0.01 level of significance.
t(s) = 4.541 for TOC, TOX, and specific conductance
t(s) = 5.841 for pH
W(b) = s2(b)/n(b)
W(s) = s2(s)/n(s)

collected from well D-4. A summary of the analytical data for the groundwater samples collected during the 1993 VI program is presented in Table 7-9. The order of the wells on Table 7-9 is consistent with the relative geographic position of the wells at the study area with wells ordered west to east for the downgradient wells (Table 7-9, first page) and upgradient wells (Table 7-9; second page). This ordering of the well data facilitates the presentation and understanding of the apparent trends in the detected analytes.

As indicated in Table 7-9, chromium and lead were detected only in the unfiltered samples. Concentrations of chromium above the HBN (50 ug/l) were reported only in the upgradient samples. The HBN criterion was exceeded in samples from wells D-2 (73.2 ug/l) and D-4 (255 ug/l) as well as the duplicate of D-4 (172 ug/l). The concentration of chromium in sample D-4 also exceeded the 1994 MCL (100 ug/L). Chromium was detected in two of the five downgradient samples (D-3 and DDH2) but at concentrations less than half of its HBN criterion. Similarly, concentrations of lead above the HBN of 50 ug/l were reported only in samples from the upgradient wells. The HBN criterion was exceeded in sample D-4 (80.3 ug/l) and the duplicate of D-4 (63.4 ug/l). Concentrations of lead reported in downgradient samples ranged from 1.52 to 9.54 ug/l. The 1994 MCL for lead (15 ug/l) was exceeded in the samples from wells DG-1 (18.2 ug/l) and D-2 (23.4 ug/l) in addition to the well D-4 samples. No downgradient well samples exceeded the 1994 lead MCL or permit HBN.

Comparison of the 1993 VI data with the 1991/1992 VI data indicates that elevated concentrations of chromium and lead (above the HBN criteria) continue to be detected in samples from upgradient well D-4. However, the elevated concentrations of chromium and lead reported in upgradient sample DG-1 have decreased to a level less than half previously detected. Further comparison of the data indicates that chromium and lead concentrations increased over time in one downgradient sample (DDH2) to more than twice previously detected; however, these concentrations were below their respective criteria. The 1993 data confirms that concentrations of total chromium and lead remain elevated in the upgradient samples when compared to the downgradient wells but dissolved lead and chromium concentrations are significantly below criteria.

Table 7-9
Summary of Analytical Data for Groundwater Samples Collected In 1993 At SWMU 10 and SWMU 35
Radford Army Ammunition Plant, Virginia

	SITE ID		10MW1	D-3D	D-3	DDH2	D-5	
	FIELD ID		RDWX*3	RDWX*4	RDWX*5	RDWX*6	RDWX*2	
	S. DATE		20-jul-93	21-jul-93	21-jul-93	21-jul-93	21-jul-93	
	DEPTH (ft)		25.0	60.0	32.0	25.0	30.0	
	MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	HBN
	UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Metals (total)								
CHROMIUM		10	<6.02	<6.02	6.94	21.2	<6.02	50
LEAD		10	1.52	1.52	8.13	9.54	4.34	50
Metals (filtered)								
NONE DETECTED		NA	ND	ND	ND	ND	ND	NA
Explosives								
HMX		1.21	2.67	4.73	2.96	3.94	<1.21	1750
Other								
NITROGEN BY KJELDAHL METHOD		NA	<183	200	248	400	286	NSA
NITRITE,NITRATE		100	2800	[35000]	[23000]	[33000]	[45000]	10000
pH		NA	7.5	7.83	7.43	6.91	7.26	NSA
pH - duplicate		NA	7.5	7.84	7.40	6.89	7.28	NSA
SULFATE		NA	27600	206000	164000	300000	750000	NSA
TOTAL ORGANIC CARBON		1000	3250	5290	2640	6250	3850	NSA
TOTAL ORGANIC HALOGENS		1	186	140	39.8	204	204	NSA
RELATIVE POSITION OF WELL			WEST		DOWNGRADIENT		EAST	

Table 7-9 (Cont'd)

	SITE ID		DG-1	DDH4	D-4	D-4(dup)	D-2	
	FIELD ID		RDWX*7	RDWX*8	RDWX*9	RDWX*10	RDWX*1	
	S. DATE		19-jul-93	20-jul-93	20-jul-93	20-jul-93	20-jul-93	
	DEPTH (ft)		26.0	30.0	30.0	30.0	32.0	
	MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	HBN
	UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Metals (total)								
CHROMIUM		10	44.2	20.5	[255]	[172]	[73.2]	50
LEAD		10	18.2	11.5	[80.3]	[63.2]	23.4	50
Metals (filtered)								
NONE DETECTED		NA	ND	ND	ND	ND	ND	NA
Explosives								
HMX		1.21	6.84	7.54	5.07	NT	<1.21	1750
Other								
NITROGEN BY KJELDAHL METHOD		NA	686	171	1710	2100	2480	NSA
NITRITE,NITRATE		100	1200	1600	1200	1300	[11000]	10000
pH		NA	7.35	7.50	7.15	7.06	6.86	NSA
pH - duplicate		NA	7.37	7.47	7.12	7.09	6.84	NSA
SULFATE		NA	11600	10700	15900	15800	73200	NSA
TOTAL ORGANIC CARBON		1000	2140	1390	5820	4440	3870	NSA
TOTAL ORGANIC HALOGENS		1	133	24.0	167	218	242	NSA
RELATIVE POSITION OF WELL			WEST		UPGRADIENT		EAST	

Footnotes :

CGW = Chemical groundwater.

HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).

< = Concentration is reported as less than the certified reporting limit.

NA = Not available

ND = Analyte was not detected.

NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN.

PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.

UGL = Micrograms per liter.

[ ] = Brackets indicate that the detected concentration exceeds the permit HBN or HBN calculated for the 1992 final draft VI report.

Table 7-10
Summary of Analytical Data For Surface Water Samples Collected At SWMU 10
Radford Army Ammunition Plant, Virginia

SITE ID		10SW1	
FIELD ID		RADW*5	
S. DATE		22-aug-90	
DEPTH (ft)		0.0	
MATRIX	PQLs	CSW	HBN
UNITS	UGL	UGL	UGL
TAL Inorganics			
BARIUM	20	210	1000
CHROMIUM	10	6.22	50
LEAD	10	[250]	50
SILVER	NA	4.97	NSA
Explosives			
24DNT	0.064	[1700]	0.05
HMX	1.21	2.98 C	1750
Volatiles			
CHLOROFORM	5	6.36	600
TOTAL UNKNOWN TICs	NA	(1)4000	NSA
Semivolatiles			
2-NITROANILINE	50	7.1	NSA
N-NITROSODIPHENYLAMINE	10	[51.3]	7
TOTAL UNKNOWN TICs	NA	(10)652	NSA

Footnotes :

C = Indicates that analysis was confirmed using a second column.
CSW = Chemical surface water.
HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).
NA = Not available; PQLs are not available for TICs detected in the library scans.
NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.
PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.
TAL = Target Analyte List.
TICs = Tentatively identified compounds that were detected in the GC/MS library scans.
UGL = Micrograms per liter.
( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.
[ ] = Brackets indicate that the detected concentration exceeds the HBN.

Table 7-9 (Cont'd)

	SITE ID		DG-1	DDH4	D-4	D-4(dup)	D-2	
	FIELD ID		RDWX*7	RDWX*8	RDWX*9	RDWX*10	RDWX*1	
	S. DATE		19-jul-93	20-jul-93	20-jul-93	20-jul-93	20-jul-93	
	DEPTH (ft)		26.0	30.0	30.0	30.0	32.0	
	MATRIX	PQLs	CGW	CGW	CGW	CGW	CGW	HBN
	UNITS	UGL	UGL	UGL	UGL	UGL	UGL	UGL
Metals (total)								
CHROMIUM		10	44.2	20.5	[255]	[172]	[73.2]	50
LEAD		10	18.2	11.5	[80.3]	[63.2]	23.4	50
Metals (filtered)								
NONE DETECTED		NA	ND	ND	ND	ND	ND	NA
Explosives								
HMX		1.21	6.84	7.54	5.07	NT	<1.21	1750
Other								
NITROGEN BY KJELDAHL METHOD		NA	686	171	1710	2100	2480	NSA
NITRITE,NITRATE		100	1200	1600	1200	1300	[11000]	10000
pH		NA	7.35	7.50	7.15	7.06	6.86	NSA
pH - duplicate		NA	7.37	7.47	7.12	7.09	6.84	NSA
SULFATE		NA	11600	10700	15900	15800	73200	NSA
TOTAL ORGANIC CARBON		1000	2140	1390	5820	4440	3870	NSA
TOTAL ORGANIC HALOGENS		1	133	24.0	167	218	242	NSA
RELATIVE POSITION OF WELL			WEST		UPGRADIENT		EAST	

Footnotes :

CGW = Chemical groundwater.

HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).

< = Concentration is reported as less than the certified reporting limit.

NA = Not available

ND = Analyte was not detected.

NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN.

PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.

UGL = Micrograms per liter.

[ ] = Brackets indicate that the detected concentration exceeds the permit HBN or HBN calculated for the 1992 final draft VI report.

HMX was the only explosive detected in the 1993 samples and was present in samples from seven of the nine wells monitored. HMX was reported in these samples at low concentrations ranging from 2.67 ug/l (10MW1) to 7.54 ug/l (DDH4). Slightly higher concentrations were reported in the upgradient samples, but these concentrations were more than two orders of magnitude less than the HBN criterion. Other explosives detected during the 1991 and 1992 VI sampling effort (24DNT, 26DNT and Tetryl) were not present above their laboratory detection limit. HMX or other explosives were not detected in the easternmost wells sampled upgradient (D-2) and downgradient (D-5) of the site.

Several other water quality parameters were reported for the 1993 samples including: TKN, nitrite/nitrate, sulfate, TOX, TOC and pH. Nitrogen was detected in eight of nine samples and generally at higher concentrations in the upgradient samples (171 to 2480 ug/l). The nitrite/nitrate concentrations of samples D-3 (23,000 ug/l), D-3D (35,000 ug/l), D-5 (45,000 ug/l) and DDH2 (33,000 ug/l), which are directly downgradient of the SWMU 10 or SWMU 35, exceeded the HBN criterion (10,000 ug/l). Nitrite/nitrate detected in the SWMU 35 upgradient sample (D-2) also exceeded the HBN criterion but by only 10 percent. Comparison of the data from sample D-2 with its corresponding downgradient sample D-5 reveals that the concentration of nitrite/nitrate is four times greater in the downgradient direction. Although no HBN criterion is available for sulfate, downgradient concentrations of sulfate were generally 10 times greater than the upgradient concentrations. Concentrations of sulfate for samples collected downgradient of SWMU 10 and SWMU 35 ranged from 164,000 ug/l to 750,000 ug/l, with concentrations becoming greater eastward towards the SWMU 8 basins.

The 1993 VI water quality parameter results confirm the results reported from the 1991/1992 VI field program. A nitrate source appears present below SWMU 10 or SWMU 35; a sulfate source appears present at the east side of the study area, probably SWMU 8; and, an HMX, lead and chromium source or sources appear to be present south (upgradient) of the SWMU 10 and SWMU 35 area.

7.3.4 Surface Water

As presented in Table 7-10, surface water sample 10SW1 was collected in 1990 from the Equalization Basin and as such, is expected to exhibit a high degree of contamination. This

Table 7-10
Summary of Analytical Data For Surface Water Samples Collected At SWMU 10
Radford Army Ammunition Plant, Virginia

SITE ID		10SW1	
FIELD ID		RADW*5	
S. DATE		22-aug-90	
DEPTH (ft)		0.0	
MATRIX	PQLs	CSW	HBN
UNITS	UGL	UGL	UGL
TAL Inorganics			
BARIUM	20	210	1000
CHROMIUM	10	6.22	50
LEAD	10	[250]	50
SILVER	NA	4.97	NSA
Explosives			
24DNT	0.064	[1700]	0.05
HMX	1.21	2.98 C	1750
Volatiles			
CHLOROFORM	5	6.36	600
TOTAL UNKNOWN TICs	NA	(1)4000	NSA
Semivolatiles			
2-NITROANILINE	50	7.1	NSA
N-NITROSODIPHENYLAMINE	10	[51.3]	7
TOTAL UNKNOWN TICs	NA	(10)652	NSA

Footnotes :

C = Indicates that analysis was confirmed using a second column.
CSW = Chemical surface water.
HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).
NA = Not available; PQLs are not available for TICs detected in the library scans.
NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.
PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.
TAL = Target Analyte List.
TICs = Tentatively identified compounds that were detected in the GC/MS library scans.
UGL = Micrograms per liter.
( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.
[ ] = Brackets indicate that the detected concentration exceeds the HBN.

sample contained four metals, two explosives, one VOC and two SVOCs. Of these, one metal, one explosive and one SVOC exceeded HBN criteria. Of the four metals detected (i.e., barium, chromium, lead and silver) only the concentration of lead exceeded the HBN criteria. The concentration of lead exceeded the HBN by a factor of five and may be a concern. Two explosives -- 24DNT and HMX -- were detected in this sample. The concentration of 24DNT was more than 30,000 times the HBN and may be a concern. NNDPA also exceeded the HBN by a factor of seven and may be a concern.

7.4 POTENTIAL MIGRATION OF CONTAMINANTS (Revised)

The analytical data indicate that hazardous constituents have been detected in the SWMU 10 and SWMU 35 sediments, surface water, and groundwater. Extremely high concentrations of lead and 24DNT were detected in the Equalization Basin sediment and surface water. However, relatively low concentrations of basin constituents were detected in the downgradient well samples. This incongruity between basin and groundwater contaminants suggests that contaminants may have been introduced at some other place in the treatment system or are due to some preexisting condition. It is also possible that concentrations of lead, 24DNT and 26DNT could be due to migration from SWMU 35, if a high groundwater mound forms in SWMU 35 or SWMU 8 which causes groundwater to flow beneath SWMU 10 (see Section 7.2.3).

Nitrogen (as nitrate and nitrite) exceeded the HBN by several times in almost every sample collected in the downgradient wells but only exceeded the HBN once in upgradient samples by 10 percent in one sample. The occurrence of nitrogen in higher concentrations in the downgradient wells is thought to be related to the previous use of the area, prior to the construction of SWMU 10. The Equalization Basin was constructed on top of an old settling lagoon which contained nitrocellulose fines. The NC fines were reportedly removed prior to construction but residual nitrogen may have remained or already migrated from the lagoon to surrounding soils. The former presence of NC fines are likely the reason for the higher nitrate and nitrate levels and TOC readings in downgradient monitoring wells. Nitrocelluous is a nitrated natural organic which can release nitrogen and organic carbons to the groundwater.

Similarly, sulfate is expected to contribute to the higher specific conductance measurements recorded for downgradient samples. The occurrence of sulfate is probably from the migration of sulfate from SWMU 35 or SWMU 8.

A comparison of the data for surface water and sediment samples from the Equalization Basin indicated that contaminants in the surface water influent are concentrating in the sediments of the basin. The data from sediment samples from the Calcium Sulfate Drying Bed are similar to the types of constituents detected in the SWMU 10 sediment sample. This is to be expected since sludge removed from SWMU 10 was reportedly placed in the drying bed.

Previous extraction procedure (EP) Toxicity and TCLP data for basin sludge samples indicates that hazardous levels of contaminants are not expected to migrate from the sludge since none of the regulatory criteria were exceeded. Based on the previous TCLP data, the sludge would not be considered hazardous waste, but because the sludge contains a K001 listed waste, it would be regulated as hazardous. However, additional TCLP data collected by Dames & Moore indicated that leachable lead in the basin sludge exceeded the criteria, resulting in classification as a hazardous waste. Groundwater data from downgradient wells indicate that the lead is not migrating from the basin at levels exceeding the HBN criterion.

Constituents detected in the groundwater are expected to migrate both horizontally and vertically within the soil and bedrock sections of the unconfined aquifer. Horizontal migration of constituents will most likely result in the discharge of constituents to the New River located north of the site. The analytical data also indicated that vertical migration of constituents has occurred based on constituents detected in a sample from the well installed deeper into the aquifer (D-3D). Except for nitrogen, the majority of constituents are less than HBNs and continual migration is expected to result in further dilution.

Due to the nature of the limestone aquifer and the possibility of solution cavities, there may be rapid transport pathways, which could result in an erratic movement of contaminants. However, none of these possibly present cavities were encountered during drilling operations, and contaminants within the deeper bedrock section of the unconfined aquifer are expected to discharge to the New River.

7.5 BASELINE RISK ASSESSMENT

Based on the contamination assessment presented in Section 7.3, only one potential contaminant of concern--lead--has been identified for soil samples collected from the surface layer south of SWMU 10. Potential contaminants of concern for sediment of the Bio-Plant

Equalization Basin are lead, 24DNT, and NNDPA. Potential contaminants of concern for sediment of the Calcium Sulfate Drying Bed are lead and 24DNT. Contaminants of concern for groundwater downgradient of SWMUs 10 and 35 include 24DNT, 26DNT, nitrate/nitrite, and sulfate. Although antimony, chromium, cobalt, lead, and manganese were detected at elevated levels in unfiltered groundwater samples, these samples were collected upgradient of SWMUs 10 and 35, and therefore are not considered potential contaminants of concern for SWMUs 10 and 35. Contaminants of concern for the surface water sample collected from near the wastewater inlet in the Equalization Basin include lead, 24DNT, and NNDPA. The potential impact of these contaminants to human health and the environment is discussed below in Sections 7.5.1 and 7.5.2, respectively.

7.5.1 Human Health Evaluation

No groundwater wells other than for monitoring purposes are located downgradient of SWMUs 10 and 35. Groundwater in the vicinity of SWMUs 10 and 35 generally flows northward toward the New River and most likely discharges to the river. Therefore, shallow groundwater would not likely migrate toward any groundwater users in the vicinity of RAAP. As discussed in Section 2.5, future land use is considered to be similar to the current land use scenario--i.e., RAAP will continue to remain an active army installation and there are no plans for future residential development of RAAP. Therefore, it is highly unlikely that groundwater wells would be installed in the future between SWMUs 10 and 35 and the New River. Based on this evaluation, potential groundwater exposure pathways are not considered operable under the current or future land use scenario.

As discussed above, there is the potential for discharge of groundwater contamination to the New River. Persons boating, fishing, or swimming in the river could potentially be exposed to contaminants migrating from SWMUs 10 and 35 via shallow groundwater. In addition, a drinking water intake is located 6 miles downstream of RAAP. However, due to the fact that potential contaminants of concern were detected at a maximum of only four times their respective HBNs, along with the significant dilution capacity of the river (1,000,000 times), potential exposure from SWMUs 10 and 35 is considered negligible. Therefore, these potential exposure pathways are not considered significant.

The two soil samples collected just south of SWMU 10 contained elevated levels of lead (>5,000 ug/g). Potential soil exposure routes typically include incidental ingestion, inhalation, and dermal absorption of soil contamination. Because access to RAAP is strictly controlled, and recreational activities do not occur in the vicinity of SWMU 10, direct contact with the soil and subsequent ingestion and dermal absorption of soil contaminants is not expected to occur on a regular basis. Although workers may presumably contact this soil, worker activity in this area is expected to be infrequent. Therefore, the incidental ingestion and dermal absorption of soil contaminants pathways are not considered significant.

Because lead was detected at an elevated level in surface soil, there is the possibility of contaminated dust to become airborne and for workers in the vicinity of SWMU 10 and SWMU 35 to be exposed via inhalation of contaminated dust. The areal extent of lead contamination in this area is unknown. However, lead was detected at elevated levels in both surface soil samples, as well as in a sample collected west of the Bio-Plant building, indicating that there may be widespread lead contamination. SWMU 10 is currently active and maintenance men regularly visit the Bio-Plant; however, only a limited amount of time is spent outdoors. Although the area is partly grassy, contaminated dust may become airborne via wind erosion or due to truck traffic in the area. Although workers' exposure may be daily, the exposure period would likely be only a small fraction of the workday, resulting in a low to moderate exposure.

An evaluation of the potential for toxic effects upon inhalation exposure to lead indicates that inhalation exposure to lead is associated with neurological and hematological effects. Adverse hematological effects in children occur at blood levels of 10 to 15 micrograms per deciliter (ug/dl), and possibly lower (USEPA, 1991b). Irreversible chronic neuropathy, characterized by decreased glomerular filtration rates, interstitial fibrosis, mitochondrial changes, and azotemia, is sometimes found in chronically exposed workers with blood lead levels of 40 to 60 ug/dl (USEPA, 1991b). Because lead has no known toxicity threshold, EPA has not calculated reference doses (RfDs) for lead exposure (USEPA, 1992a); instead EPA has developed an uptake biokinetic (UBK) model for assessing exposure to lead (see Appendix D of the 1992 final draft VI report). Although lead is classified as a B2 carcinogen, inhalation carcinogenicity studies present conflicting data (USEPA, 1992a).

The UBK model is used to estimate total lead uptake (ug Pb/day) in children (0 to 6 years old) and to predict a corresponding blood lead level (ug Pb/dl). This model only calculates lead uptake for children and is thus only applicable to a residential land use scenario, whereas at RAAP we are concerned with a worker exposure scenario. Furthermore, the UBK model estimates total lead exposure based on inhalation, ingestion of soil, ingestion of groundwater, and dietary uptake. The primary operable exposure pathway for workers at SWMU 10 is via inhalation of dust. Therefore, only a qualitative assessment of the potential hazard resulting from lead exposure to workers can be conducted.

To conduct a qualitative evaluation of the potential hazard resulting from lead exposure to workers, preliminary cleanup criteria are calculated for lead using the UBK model (residential land use scenario). These preliminary cleanup criteria are then compared to the concentrations detected in site soil, taking into consideration the decreased exposure period and pathways for workers. EPA (1991b) has identified blood lead concentrations of 10 to 15 ug/dl as levels of concern for adverse effects in children. Based on application of the UBK model, a cleanup range of 200 to 500 milligrams per kilogram (mg/kg) is identified for potential residential exposure to lead. At a soil concentration of 200 mg/kg Pb, >99.8 percent of an exposed sensitive population (young children) would be expected to have blood lead levels of less than or equal to 10 ug/dl. At a soil concentration of 500 mg/kg Pb, >92 percent of young children would be expected to have blood lead levels of less than or equal to 10 ug/dl and >99.4 percent of the children would have blood lead levels of less than or equal to 15 ug/dl. Although lead was detected in surface soil samples at concentrations of >5,000 mg/kg, which are more than an order of magnitude above the residential criteria, the exposure period for workers is much less than residential exposure an the primary operable exposure pathway is inhalation (the UBK model estimates total lead exposure based on inhalation, ingestion of soil, ingestion of groundwater, and dietary uptake). The reduced exposure period and the presence of only one exposure pathway for a less sensitive population (onsite workers) is expected to result in blood lead concentrations less than levels of concern for adverse effects. Therefore, the potential hazard to workers resulting from inhalation exposure to lead contaminated soil is estimated to be low.

The sediment/surface water samples were collected from within the Equalization Basin and the Calcium Sulfate Drying Bed. There are no potential human receptors to the sediment/surface water within these basins, except for workers who may occasionally contact the sediment/surface water during cleaning operations. Workers would presumably wear protective equipment (i.e., gloves) and exposure is expected to be infrequent. Because the Equalization Basin contains surface water, the potential for contaminated sediment to become airborne and subsequently inhaled is not considered a viable migration pathway. The Calcium Sulfate Drying Bed may contain surface water during periods of heavy rain and surface runoff; otherwise it is usually dry. However, because the surface is compacted and cracked and very little loose soil is present, the potential for contaminated sediment to become airborne and subsequently inhaled is negligible. Therefore, exposure to contaminants in the sediment/surface water is expected to be insignificant.

As discussed in Section 2.5, future land use is considered to be similar to the current land use scenario--i.e., RAAP will continue to remain an active army installation and there are no plans for future residential development of RAAP. Thus, potential future exposure is assumed to be similar to potential current exposure.

7.5.2 Environmental Evaluation

Aquatic life is not present in the Equalization Basin; therefore, potential impacts to aquatic life are not considered for the surface water/sediment sample collected from this area. Although, the Equalization Basin and Calcium Sulfate Drying Beds are not fenced in and wildlife may have access to the area and the surrounding soil, there is a fence between the SWMU 10 and SWMU 35 area and the river bank, thereby precluding wildlife access via the river bank. The nearby road is used often and it is unlikely that wildlife would frequent the area. Therefore, potential exposure of environmental receptors to the surface water/sediment contamination in the Equalization Basin and Calcium Sulfate Drying Beds, and soil contamination in the surface soil appears to be minimal.

As discussed above, there is the potential for discharge of groundwater contamination to the New River, which could potentially impact aquatic life. Although data are insufficient for establishing aquatic life criteria for 24DNT and 26DNT, the lowest observed effect level (LOEL)

for chronic effects to freshwater aquatic life is reported as 230 ug/l (USEPA, 1986). Because the maximum detected concentration in site groundwater is 0.082 ug/l of 26DNT, and significant dilution is expected to occur upon discharge to the New River, the low detections of 24DNT and 26DNT in site groundwater do not appear to be of environmental concern.

Ambient Water Quality Criteria (AWQC) are not available for nitrate/nitrite or sulfate. However, because of the significant dilution that is expected to occur upon discharge to the New River, the impact to aquatic life due to the detection of nitrate/nitrite and sulfate in site groundwater and subsequent discharge to the New River is expected to be low.

7.5.3 Conclusions of the Human Health and Environmental Evaluation

Although 24DNT, 26DNT, nitrate/nitrite, and sulfate were detected at elevated levels in SWMU 10 and 35 groundwater, the detection of these constituents in groundwater does not appear to present a current or potential future human health risk or environmental threat. The lack of groundwater receptors and the fact that significant dilution would occur upon discharge of groundwater to the New River, would result in negligible exposure.

Exposure to workers via inhalation of lead contaminated dust generated from the new RBC area is a complete exposure pathway. The potential exposure and hazard are estimated to be low to moderate.

Although elevated concentrations of lead, 24DNT, and NNDPA were detected in surface water and sediment of the Equalization Basin and Calcium Sulfate Drying Bed, it is unlikely that human and environmental receptors would directly contact the surface water and sediment, except possibly on an infrequent basis. It is also not likely that contaminated sediment in these areas would become airborne. Therefore, these exposure pathways are not considered significant.

7.6 CONCLUSIONS (Revised)

The SWMU 10 and SWMU 35 investigation has provided chemical data useful for defining the extent and magnitude of sediment, surface water, and groundwater contamination from the Bio-Plant Equalization Basin. Additionally, the results of the well monitoring program have been used to define the hydrogeologic properties of the subsurface. These investigations have led to the following conclusions:

- Approximately 20 feet of unconsolidated sediments underlie the study area and overlay the limestone/dolostone Elbrook Formation.
- Groundwater is present approximately 15 feet below the basins within sandy sediments and flows northward towards the New River at velocities of 19 to 127 feet per year.
- The groundwater table does not appear to be physically affected (mounding, change in flow direction) by the SWMU 10 basin.
- The unconfined aquifer below the SWMU 35 basin is affected by infiltration of surface run-on, causing a groundwater mound. This mounding, along with a likely mounding effect due to SWMU 8 east of SWMU 35, alters the usual groundwater flow direction from generally northward (to the New River) to the northwest and possibly under SWMU 10. Contaminants present in the sediments of SWMU 35 are not restricted from entering the unconfined aquifer and migrating with the groundwater.
- Three contaminants were detected in the SWMU 10 basin sediment at concentrations greater than permit-specific HBNs and background concentrations--lead, NNDPA, and 24DNT.
- Similar constituents were detected in the SWMU 10 basin water but only lead, 24DNT, and NNDPA exceeded HBNs.
- Two constituents were detected in SWMU 35 sediment-- lead, and 24DNT--at concentrations which exceeded HBNs and background concentrations.
- TCLP data from the Bio-Plant Equalization Basin sludge indicate that leachable lead exceeds the regulatory limit. Because the sludge is a TCLP characteristic waste and contains K044 regulated waste, the sludge, if removed, must be treated as a hazardous waste and would require subsequent disposal or treatment, as such.
- Five metals--antimony, chromium, cobalt, lead, and manganese--were detected in groundwater samples collected in 1990 and 1991 at concentrations above HBNs,

but only in unfiltered upgradient samples. Concentrations of two explosives--24DNT and 26DNT--exceeded HBNs in three downgradient well samples, but only one exceedance occurred in each sample.

- Analytical data from groundwater samples collected in 1993 generally confirmed previous VI data. Lead and chromium concentrations in unfiltered well samples exceeded HBNs in upgradient but not downgradient wells. HMX was the only explosive detected, but at levels less than the HBN and with upgradient concentrations greater than downgradient concentrations.

- The groundwater data collected from the study area indicate that contaminants may not be migrating from the basin but rather may be leaching out of SWMU 35 sediment or from SWMU 8 water infiltrating into the subsurface and migrating to the SWMU 10 wells. A comparison of upgradient and downgradient groundwater data suggests that several contaminants were detected at higher concentrations in upgradient wells. The sludge burial trenches between the road and the railroad tracks south of SWMU 10 are the likely off-site source for the detected upgradient contamination.

- Nitrogen (as nitrate and nitrite) exceeded the HBN of 10,000 ug/l by several times in downgradient wells. The occurrence of nitrogen is suspected to be related to the former use of the area as a NC settling pond prior to construction of the Equalization Basin. The NC fines were reportedly removed prior to construction but residual nitrogen may have remained or migrated to the surrounding soil. Nitrate/Nitrate also slightly exceeded the HBN in upgradient sample D-2 which was sampled for the first time during the 1993 VI program. These data indicate that NC fines may have been put in the trenches south of the site.

- The former presence of NC fines are thought to be the reason for the higher nitrogen (as nitrate and nitrite) concentrations and TOC readings in the downgradient wells. Similarly, the elevated sulfate levels in downgradient wells are suspected to result in the higher downgradient conductivity reading. The sulfate in the downgradient wells may be attributable to SWMU 35, the Calcium

Sulfate Drying Bed or infiltration of SWMU 8 basin water. Calcium concentrations also were noted to be higher in the eastern downgradient well (DDH2) located nearer to SWMU 35. The TOC and specific conductance were determined to be statistically elevated in a t-test comparison of background (upgradient) and downgradient monitoring well data. TOX and pH were determined not to be statically different from background data.

- An evaluation of the chemical data and the statistical assessment of the indicator parameters suggests that degradation of groundwater downgradient of SWMU 10 has occurred. However, the Equalization Basin is not considered to be the source of the contamination because the groundwater chemistry does not coincide with the contaminants detected in the basin sludge and surface water.

- The groundwater degradation is most likely the result of: an upgradient off-site (on post) source; the former use of the SWMU 10 basin area as a NC settling lagoon; and the sediments in SWMU 35, Calcium Sulfate Drying Bed and infiltration of SWMU 8 basin water.

- If groundwater in the immediate vicinity of the site were ingested, then a potential unacceptable risk would be present. However, there are no current downgradient groundwater uses, and, given the industrial use of the facility, there are not expected to be any future users. Therefore, this pathway is not considered to be operable. Shallow groundwater in the vicinity of SWMU 10 and SWMU 35 flows toward the New River and would not likely migrate toward any groundwater users in the vicinity of RAAP.

- Persons boating, fishing, or swimming in the river could potentially be exposed to contaminants migrating from the study area via shallow groundwater. However, due to the significant dilution capacity of the river, potential exposure is considered minimal.

7.7 RECOMMENDED ACTION (Revised)

The available information indicates that leakage from the SWMU 10 Equalization Basin may not be the source of the downgradient groundwater constituents detected. Nitrate contamination from a NC settling lagoon present in the soil prior to construction of the Equalization Basin appears to have adversely impacted the groundwater. The data also indicate that an adverse impact to the groundwater from two explosives and sulfate downgradient of SWMU 10 may be due to migration of contaminants from SWMU 35 or SWMU 8 immediately east of SWMU 10. Groundwater upgradient of SWMU 10 has been adversely impacted (metals and HMX) from an off-site (on post) source, possibly the sludge burial area located in the vicinity of the upgradient wells.

The baseline risk assessment of human health and environmental concerns indicates that since there are no current nor anticipated future groundwater users in the vicinity at SWMU 10 and SWMU 35, exposure to contaminated groundwater should not be of concern.

Since there are no imminent threats to human health or the environment, no emergency corrective measures are recommended. However, the sediment in SWMU 35 appears to be a source of unacceptable nitrite/nitrate concentrations and should be removed or immobilized to prevent further releases. However, the NC fines probably present below SWMU 10 would continue to be a source of impacted nitrite/nitrate concentrations in the groundwater.

An investigation should be performed in the area upgradient of SWMU 10 and SWMU 35 to determine if the source of groundwater contaminants detected in upgradient wells is due to the sludge burial trenches and to evaluate the potential extent and magnitude of possible soil contamination.

The presence of concentrations of NC fines in the soil underlying the Equalization Basin should be taken into account when the basin is closed upon completion of the new wastewater tanks being constructed at the Bio-Plant.

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Appendix A

Chemical Abbreviations and Analytical Data

Test Name (Analyte) 8.24

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

Level 1		Level 2		Level 3	
Record	Column(s)	Record	Column(s)	Table(s)	DB Column
Analysis	2-7	SCC[all]	73-80	chem/eqo	test_nm

ELEMENT SIZE AND CHARACTERISTICS:

6 alphanumeric characters, left justified

ELEMENT DESCRIPTION:

Code to identify the analyte or parameter being measured.

ACCEPTABLE CRITERIA:

- Required on all chemical and radiological records
- Must match one of the acceptable codes listed below
- For unknowns, must be within the range of UNK001 through UNK999
- Lab must be certified for the specific Test Name except when one of the following conditions exists:

  Method is "99", non-USATHAMA approved or semiquantitative screening
  Method is "00", which is valid for the following Test Names:

ACIDIT	CORRTY	SALINE
ALK	CROCO	SALINI
ALKBIC	DO	SSOL
ALKCAR	DOC	TASTE
ALKHYD	EPTOX	TDS
ALKPHE	FIBGLS	TEMP
ALPHAG	FLASH	TOC
AMOS	FSTREP	TOTASH
ANPHO	HARD	TOX
ASBEST	IGNIT	TPHAVG
BETAG	MINWOL	TPHC
BOD	ODOR	TPHDSL
CHARD	OILGR	TPHGAS
CHRYS	ORGFIB	TREACT
COD	PARTIC	TSOLID
COLI	PH	TSS
COLOR	REACTY	TURBID
COND	RESIST	

NOTE: For unknown compounds, use the code "UNKXXX" where "XXX" represents the number assigned by the field lab to the unknowns from 001 thru 999. The numbers are full field, so "unknown one" would be expressed as "UNK001" with the zeros included. The description of what "UNK001" represents will be defined in the contractor's reports and other documentation and be consistent within the same installation. Therefore "UNK001" can only represent one unique unknown for each installation.

ACCEPTABLE ENTRIES:

Chemical and Radiological Data:

(Sorted alphabetically by Test-Name code)

01N1CL	0.1N Hydrochloric acid
10CUDM	10-Cyclopentylundecanoic acid, methyl ester
10MEOH	10% Methanol
10MUDM	10-Methylundecanoic acid, methyl ester
10OEME	10-Octadecenoic acid, methyl ester
111TCE	1,1,1-Trichloroethane
112TCE	1,1,2-Trichloroethane
113MCH	1,1,3-Trimethylcyclohexane
11C1PE	1,1-Dichloro-1-propene
11C1PN	1,1-Dichloropropane
11DCE	1,1-Dichloroethylene / 1,1-Dichloroethene
11DCLE	1,1-Dichloroethane
11DCPE	1,1-Dichloropropene
11DMEB	(1,1-Dimethylethyl) benzene
11DPH	1,1-Diphenylhydrazine
11MCPE	1,1-Dimethylcyclopentane
1234MB	1,2,3,4-Tetramethylbenzene
123CPR	1,2,3-Trichloropropene
123MCH	1,2,3-Trimethylcyclohexane
123PDA	1,2,3-Propanetriol diacetate
123TCB	1,2,3-Trichlorobenzene
123TMB	1,2,3-Trimethylbenzene
124MCH	1,2,4-Trimethylcyclohexane
124TCB	1,2,4-Trichlorobenzene
124TMB	1,2,4-Trimethylbenzene
12DB3C	1,2-Dibromo-3-chloropropane
12DBD4	1,2-Dichlorobenzene-D4
12DBRE	1,2-Dibromoethane / Ethyl dibromide
12DCD4	1,2-Dichloroethane-D4

ACCEPTABLE ENTRIES: (Cont.)

12DCE	1,2-Dichloroethenes / 1,2-Dichloroethylenes (cis and trans isomers)
12DCLB	1,2-Dichlorobenzene
12DCLE	1,2-Dichloroethane
12DCLP	1,2-Dichloropropane
12DCPE	1,2-Dichloropropene, total
12DMB	1,2-Dimethylbenzene / o-Xylene
12DNAP	1,2-Dimethylnaphthalene
12DPB	1,2-Diphenylbenzene
12DPH	1,2-Diphenylhydrazine
12EPCH	Cyclohexene oxide / 1,2-Epoxycyclohexene
12EPEB	1,2-Epoxyethylbenzene / Styrene oxide
12MCPE	1,2-Dimethylcyclopentane
12MTDM	12-Methyltetradecanoic acid, methyl ester
12TMCP	1,1,2,2-Tetramethylcyclopropane
135MCH	1,3,5-Trimethylcyclohexane
135TMB	1,3,5-Trimethylbenzene
135TNB	1,3,5-Trinitrobenzene
13BDE	1,3-Butadiene
13CPDO	1,3-Cyclopentadione
13DBD4	1,3-Dichlorobenzene-D4
13DCLB	1,3-Dichlorobenzene
13DCP	1,3-Dichloropropane
13DCPE	1,3-Dichloropropene
13DEB	1,3-Diethylbenzene
13DFB	1,3-Difluorobenzene
13DMB	1,3-Dimethylbenzene / m-Xylene
13DMBB	(1,3-Dimethylbutyl) benzene
13DMCH	1,3-Dimethylcyclohexane
13DNAP	1,3-Dimethylnaphthalene
13DNB	1,3-Dinitrobenzene
13DPPR	1,1'-(1,3-Propanediyl) bis(benzene) / 1,3-Diphenylpropane
13HIND	1,3-Dihydro-2H-indol-2-one
13MCPE	1,3-Dimethylcyclopentane
13TDAM	13-Tetradecynoic acid, methyl ester
14D2EB	1,4-Dimethyl-2-ethylbenzene
14DACB	1,4-Diacetylbenzene
14DBD4	1,4-Dichlorobenzene-D4
14DCBU	1,4-Dichlorobutane
14DCLB	1,4-Dichlorobenzene
14DFB	1,4-Difluorobenzene
14DIOX	1,4-Dioxane

ACCEPTABLE ENTRIES: (Cont.)

14DMB	1,4-Dimethylbenzene / p-Xylene
14DMCH	1,4-Dimethylcyclohexane
14DMNP	1,4-Dihydro-1,4-methanonaphthalene
14DMXA	1,4-Dimethoxyanthracene
14DNB	1,4-Dinitrobenzene
14HXDE	1,4-Hexadiene
14MPME	14-Methylpentadecanic acid, methyl ester
15DNAP	1,5-Dimethylnaphthalene
15MHME	15-Methylhexadecanoic acid, methyl ester
167TMN	1,6,7-Trimethylnaphthalene
16DMIN	1,6-Dimethylindan
16DNAP	1,6-Dimethylnaphthalene
16MHME	16-Methylheptadecanoic acid, methyl ester
17PTCE	17-Pentatriacontene
18DNAP	1,8-Dimethylnaphthalene
18O18D	1,2,3,4,4A,5,8,8A-Octahydro-1,4,5,8-dimethanol-naphthalen-2-ol
1A3MPZ	1-Acetyl-3-methyl-5-pyrazolone
1A4HMB	1-Acetyl-4-(1-hydroxy-1-methylethyl) benzene
1BY4HB	1-Benzyl-4-hydroxybenzimidazole
1C3L	1-Propanol
1C4L	1-Butanol
1CDMPZ	1-Carbamoyl-3,5-dimethyl-2-pyrazoline
1CH	1-Chlorohexane
1CL24H	1-Chloro-2,4-hexadiene
1CLODC	1-Chlorooctadecane
1CNAP	1-Chloronaphthalene
1DODCL	1-Dodecanol
1E2 DB	1-Ethyl-2,4-dimethylbenzene
1E2MB	1-Ethyl-2-methylbenzene
1EHB	1-Ethylhexylbenzene
1EHIND	1-Ethylidene-1H-indene
1EPB	1-Ethylpropylbenzene
1FNAP	1-Fluoronaphthalene
1HPDOL	1-Heptadecanol
1HX3OL	1-Hexen-3-ol
1HXE	1-Hexene
1M2PEC	1-Methyl-2-(2-propenyl) cyclopentane
1M7MEN	1-Methyl-7-(1-methylethyl) naphthalene
1MBAAN	1-Methylbenz (A) anthracene
1MCPNE	1-Methylcyclopentene
1MDB	1-Methyldecylbenzene

ACCEPTABLE ENTRIES: (Cont.)

1MECHX	1-Methylethylcyclohexane
1MECPR	1-Methylethylcyclopropane
1MEIND	1-Methylindan
1MFLRE	1-Methyl-9H-fluorene
1MNAP	1-Methylnaphthalene
1MNB	1-Methylnonylbenzene
1MPRB	(1-Methylpropyl) benzene
1MPYR	1-Methylpyrene
1MX1PE	1-Methoxy-1-propene
1N2ONE	1-Nitro-2-octanone
1NAPA	1-Naphthylamine
1NHP	1-Nitroheptane
1NKCL	1.0N Potassium chloride solution
1NPN	1-Nitropropane
1OCTOL	1-Octanol
1PECHX	1-Propenylcyclohexane
1PNAP	1-Phenylnaphthalene
1TBCHA	1-t-Butylcyclohexanecarboxylic acid
210DMU	2,10-Dimethylundecane
2255CB	2,2',5,5'-Tetrachlorobiphenyl
225TCB	2,2',5-Trichlorobiphenyl
226TMO	2,2,6-Trimethyloctane
22DCP	2,2-Dichloropropane
22DMC4	2,2-Dimethylbutane
2345CB	2,3,4,5-Tetrachlorobiphenyl
2346CP	2,3,4,6-Tetrachlorophenol
2356CP	2,3,5,6-Tetrachlorophenol
235TCP	2,3,5-Trichlorophenol
235TMD	2,3,5-Trimethyldecane
236TMN	2,3,6-Trimethylnaphthalene
237TMO	2,3,7-Trimethyloctane
23C1PE	2,3-Dichloro-1-propene
23D2HL	2,3-Dimethyl-2-hexanol
23DCLP	2,3-Dichlorophenol
23DMC4	2,3-Dimethylbutane
23DMCS	2,3-Dimethylpentane
23DMP	2,3-Dimethylphenol
23DNAP	2,3-Dimenthylnaphthalene
23TMP	2,2,3,3-Tetramethylpentane
245PCB	2,2'4,5,5'-Pentachlorobiphenyl
245T	2,4,5-Trichlorophenoxyacetic acid

ACCEPTABLE ENTRIES: (Cont.)

245TCP	2,4,5-Trichlorophenol
245TP	2-(2,4,5-Trichlorophenoxy) Propionic Acid
246MPY	2,4,6-Trimethylpyridine
246TBP	2,4,6-Tribromophenol
246TCA	2,4,6-Trichloroaniline
246TCP	2,4,6-Trichlorophenol
246TMO	2,4,6-Trimethyloctane
246TNP	2,4,6-Trinitrophenol / Picric acid
246TNR	2,4,6-Trinitroresorcinol / Styphnic acid
246TNT	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene
247HOI	2,2,4,4,7,7-Hexamethyloctahydro-1H-Indene
247TMO	2,4,7-Trimethyloctane
24D	2,4-Dichlorophenoxyacetic acid / 2,4-D
24DB	4-(2,4-Dichlorophenoxy)butyric acid / 2,4-DB
24DCB	2,4'-Dichlorobiphenyl
24DCLP	2,4-Dichlorophenol
24DMCS	2,4-Dimethylpentane
24DMD	2,4-Dimethyldecane
24DMHX	2,4-Dimethylhexane
24DMPN	2,4-Dimethylphenol
24DNP	2,4-Dinitrophenol
24DNT	2,4-Dinitrotoluene
24M2PL	2,4-Dimethyl-2-pentanol
24NPD3	2,4-Dinitrophenol-D3
24T13P	2,2,4-Trimethyl-1,3-pentanediol
256TMD	2,5,6-Trimethyldecane
25C14D	2,5-Cyclohexadien-1,4-dione
25DCLP	2,5-Dichlorophenol
25DMP	2,5-Dimethylphenol
25DMPA	2,5-Dimethylphenanthrene
25DTHF	2,5-Dimethyltetrahydrofuran
25ETHF	2,5-Diethyltetrahydrofuran
25HPCB	2,2',3,4,5,5',6-Heptachlorobiphenyl
25HXCB	2,2',3,4,5,5'-Hexachlorobiphenyl
25OCCB	2,2',3,3',4,4',5,5'-Octachlorobiphenyl
2611MD	2,6,11-Trimethyldodecane
26DBMP	2,6-Di-tert-butyl-4-methylphenol / 2,6-Di-tert-butyl-4-cresol
26DCLP	2,6-Dichlorophenol
26DMO	2,6-Dimethyloctane
26DMP	2,6-Dimethylphenol
26DMST	2,6-Dimethylstyrene

ACCEPTABLE ENTRIES: (Cont.)

26DMUD	2,6-Dimethylundecane
26DNA	2,6-Dinitroaniline
26DNT	2,6-Dinitrotoluene
26HPCB	2,2',3,4,4',5,6-Heptachlorobiphenyl
27DMO	2,7-Dimethyloctane
27DNAP	2,7-Dimethylnaphthalene
29DMUD	2,9-Dimethylundecane
2A46DA	2-Amino-4,6-dinitroaniline
2A46DT	2-Amino-4,6-dinitrotoluene
2A4NT	2-Amino-4-nitrotoluene
2ACAMF	2-Acetylaminofluorene
2B1CP	2-Bromo-1-chloropropane
2B1OOL	2-Butyl-1-octanol
2B4MFU	2-(t-butyl)-4-methylfuran
2BEETO	2-(2-N-Butoxyethoxy) ethanol
2BEMDE	2,2-Bis(ethylmercapto) diethyl ether
2BMMPR	2,2-Bis(methylmercapto) propane
2BNMNM	2-Butyl-N-methylnorleucine, methyl ester
2BRHXA	2-Bromohexanoic acid
2BUTHF	2-Butyltetrahydrofuran
2BUXEL	2-Butoxyethanol
2C4E	2-Butene
2C6MPZ	2-Chloro-6-methoxy-10H-phenothiazine
2C7O	2-Heptanone / Methylpentyl ketone
2CBMN	o-Chlorobenzylidine malononitrile
2CECHO	2-(2-Cyanoethyl) cyclohexanone
2CH46D	2-Cyclohexyl-4,6-dinitrophenol
2CHAEE	2-Cyclopentene-1-hendecanoic acid, ethyl ester
2CHE1L	2-Cyclohexen-1-ol
2CHE1O	2-Cyclohexen-1-one
2CLBP	2-Chlorobiphenyl
2CLEVE	(2-Chloroethoxy) ethene / 2-Chloroethylvinyl ether
2CLP	2-Chlorophenol
2CLPD4	2-Chlorophenol-D4
2CLT	2-Chlorotoluene
2CMCHO	2-(Cyanomethyl) cyclohexanone
2CNAP	2-Chloronaphthalene
2DMPEN	2,2-Dimethylpentane
2EHHXL	2-Ethyl-1-hexanol
2EPHPD	2-Ethyl-2-hydroxymethyl-1, 3-propanediol
2E4MPL	2-Ethyl-4-methyl-1-pentanol

ACCEPTABLE ENTRIES: (Cont.)

2EC6A	2-Ethylhexanoic acid
2ECYBL	2-Ethylcyclobutanol
2EP	2-Ethylphenol
2FBP	2-Fluorobiphenyl
2FNAP	2-Fluoronaphthalene
2FP	2-Fluorophenol
2HBDDM	2-Hydroxybutanedioic acid, dimethyl ester
2HBNZL	2-Hydroxybenzaldehyde / Salicylaldehyde
2HNDOL	2-Hendecanol / 2-Undecanol
2HYBP	2-Hydroxybiphenyl
2M1DDL	2-Methyl-1-dodecanol
2M1PNE	2-Methyl-1-pentene
2M24P	2-Methyl-2,4-pentanediol
2M28DA	2-Methyl-2-butenediamide
2M2C3L	2-Methyl-2-propanol / tert-Butanol
2M2H3B	2-Methyl-2-hydroxy-3-butyne
2M3HXE	2-Methyl-3-hexene
2M3PNO	2-Methyl-3-pentanone
2MBZA	2-Methylbenzyl alcohol
2MC3	2-Methylpropane / Isobutane
2MC4	2-Methylbutane / Isopentane
2MC6	2-Methylhexane / Isoheptane
2MC7	2-Methylheptane / Isooctane
2MCPNE	2-Methylcyclopentanone
2MCYPL	2-Methylcyclopentanol
2MDEC	2-Methyldecane
2MDOD	2-Methyldodecane
2MENAP	2-(1-Methylethyl) naphthalene
2MEODE	2-Methyloctadecanoic acid
2MEPEN	2-Methylpentane
2MMECO	2-Methyl-5-(1-methylethyl)-2-cyclohexen-1-one
2MNAP	2-Methylnaphthalene
2MP	2-Methylphenol / 2-Cresol / o-Cresol
2MPAJE	2-Isobutyric acid
2MPAHT	2-Methylpropanoic acid, 3-hydroxy-2,4,4-trimethyl-1,3-propanediyl ester
2MPAME	2-Methylpropanoic acid, methyl ester
2MPEAE	2-Methyl-2-propenoic acid, 1,2-ethanediyl ester
2MPYR	2-Methylpyrene
2MTETD	2-Methyltetradecane
2MTHF	2-Methyltetrahydrofuran
2MTHPM	2-Methylthio-4-hydroxypyrimidine

ACCEPTABLE ENTRIES: (Cont.)

2MXIPE	2-Methoxy-1-propene
2MXEXL	2-(2-Methoxyethoxy) ethanol / Diethylenegylcol monomethyl ether
2MXMC3	2-Methoxy-2-methylpropane / tert-Butylmethyl ether
2MXTMB	2-Methoxy-2,3,3-trimethylbutane
2N3C	3-Methyl-2-nitrophenol / 2-Nitro-m-cresol
2NANIL	2-Nitroaniline
2NAPA	2-Naphthylamine
2NBZLZ	2-Nitrobenzalazine
2NKCL	2.0N Potassium chloride solution
2NNDPA	2-Nitro-N-nitrosodiphenylamine
2NODCO	2-Nonadecanone
2NP	2-Nitrophenol
2NPN	2-Nitropropane
2NT	2-Nitrotoluene
2OXBEL	2,2-Oxybis(ethanol) (obsolete - use DEGLYC)
2PETOH	2-Phenylethanol
2PHXEL	2-Phenoxyethanol
2PICO	2-Picoline
2PNAP	2-Phenylnaphthalene
2PROL	2-Propanol
2PXEXL	2-(2-Phenoxyethoxy) ethanol
2PYIOL	2-Propyn-1-ol
2SB46D	2-sec-Butyl-4,6-dinitrophenol
2TCLEA	1,1,1,2-Tetrachloroethane
2TMHPD	2,6,10,14-Tetramethylheptadecane
2TMPD	2,6,10,14-Tetramethylpentadecane
33DCBD	3,3'-Dichlorobenzidine
33DMBP	3,3'-Dimethoxybiphenyl / 3,3'-Dimethoxybenzidine
33DMEB	3,3'-Dimethylbiphenyl / 3,3'-Dimethylbenzidine
33DMHX	3,3-Dimethylhexane
33DMPN	3,3-Dimethylpentane
344TPE	3,4,4-Trimethyl-2-pentene
345THI	3,4,5-Trimethyl-1-hexene
34BZFA	3,4-Benzofluoranthene
34CBD6	3,3',4,4'-Tetrachlorobiphenyl-D6
34D1DE	3,4-Dimethyl-1-decene
34DCLP	3,4-Dichlorophenol
34DMP	3,4-Dimethylphenol
34DNT	3,4-Dinitrotoluene
35DMP	3,5-Dimethylphenol
35DNA	3,5-Dinitroaniline

ACCEPTABLE ENTRIES: (Cont.)

35DNP	3,5-Dinitrophenol
35DNT	3,5-Dinitrotoluene
35M3HL	3,5-Dimethyl-3-hexanol
36DF9O	3,6-Dichlorofluoren-9-one
36DMO	3,6-Dimethyloctane
36TMPA	3,4,5,6-Tetramethylphenanthrene
37DMNN	3,7-Dimethylnonane
38DMUD	3,8-Dimethylundecane
3BPETH	3-Butenylpentyl ether
3C1C3E	3-Chloro-1-propene / Allyl chloride
3CHXD	3-Cyclohexyldecane
3CLP	3-Chlorophenol
3CLPRN	3-Chloropropionitrile
3CLT	3-Chlorotoluene
3CMCH	3-(Chloromethyl) cyclohexene
3DCHEO	3,5-Dimethyl-2-cyclohexen-1-one
3E22MP	3-Ethyl-2,2-dimethylpentane / 3-(t-Butyl)-pentane
3E25DH	3-Ethyl-2,5-dimethyl-3-hexene
3EE2BO	3,4-Epoxy-3-ethyl-2-butanone
3EEBOD	3-Ethyl-5-(2-ethylbutyl) octadecane
3EHXDE	3-Ethyl-1,4-hexadiene
3EP	3-Ethylphenol
3HDMPL	3-(Hydroxymethyl)-4,4-dimethylpentanal
3HDMPT	3-Hydroxy-2,7-dimethyl-4-(3H)-pteridinone
3HXE2O	3-Hexen-2-one
3HYBA	3-Hydroxybenzaldehyde
3M1PL	3-Methyl-1-pentanol
3M2C1O	3-Methoxy-2-cyclopenten-1-one
3M2C5E	3-Methyl-2-pentene
3M2CHO	3-Methyl-2-cyclohexen-1-one
3M2HXL	3-Methyl-2-hexanol
3M5PNN	3-Methyl-5-propylnonane
3MBP	3-Methylbiphenyl
3MC6	3-Methylhexane
3MCA	3-Methylcholanthrene
3MCHRY	3-Methylchrysene
3MDEC	3-Methyldecane
3MEPEN	3-Methylpentane
3MP	3-Methylphenol / 3-Cresol / m-Cresol
3MPANR	3-Methylphenanthrene
3MUND	3-Methylundecane

ACCEPTABLE ENTRIES: (Cont.)

3MXIMZ	3-Methoxyimidazole
3MXT	3-Methoxytoluene
3NANIL	3-Nitroaniline
3NT	3-Nitrotoluene
3OCTOL	3-Octanol
3OPPAE	3-Oxo-3-phenylpropanoic acid, ethyl ester
3PC3AC	3-Phenylpropanoyl chloride/Hydrocinnamyl chloride
3PT	3-Propyltoluene
3S5EOL	(3beta)-Stigmast-5-en-3-ol
3TBUP	3-(t-Butyl) phenol
3TCHEO	3,5,5-Trimethyl-2-cyclohexen-1-one
4IMEHP	4-(1-Methylethyl) heptane
44DCBZ	4,4'-Dichlorobenzophenone
44DFBZ	4,4-Difluorobenzophenone
44DMPE	4,4-Dimethyl-2-pentene
44DMUD	4,4-Dimethylundecane
468TIN	4,6,8-Trimethyl-1-nonene
46DN2C	2-Methyl-4,6-dinitrophenol / 4,6-Dinitro-2-cresol
47DMUD	4,7-Dimethylundecane
48DMHD	4,8-Dimethylhendecane
4A2NT	4-Amino-2-nitrotoluene
4A35DT	4-Amino-3,5-dinitrotoluene
4ABP	4-Aminobiphenyl
4AMORP	4-Acetylmorpholine
4B3P2O	4-Butoxy-3-penten-2-one
4BFB	4-Bromofluorobenzene
4BRPPE	4-Bromophenylphenyl ether
4C3MBE	4-Chloro-3-methyl-1-butene
4CANIL	4-Chloroaniline
4CCHXL	4-Chlorocyclohexanol
4CL2C	2-Methyl-4-chlorophenol / 4-Chloro-2-cresol
4CL3C	3-Methyl-4-chlorophenol / 4-Chloro-m-cresol / 4-Chloro-3-cresol / 4-Chloro-3-methylphenol
4CLPPE	4-Chlorophenylphenyl ether
4CLT	4-Chlorotoluene
4DM2PL	4,4-Dimethyl-2-pentanol
4E2MHX	4-Ethyl-2-methylhexane
4E2OCE	4-Ethyl-2-octene
4ETMHP	4-Ethyl-2,2,6,6-tetramethylheptane
4FANIL	4-Fluoroaniline
4FT	4-Fluorotoluene

ACCEPTABLE ENTRIES: (Cont.)

4H35BA	4-Hydroxy-3,5-dimethoxybenzaldehyde
4H3MBA	4-Hydroxy-3-methoxybenzaldehyde / Vanillin
4HAZOB	4-Hydroxyazobenzene
4HYBA	4-Hydroxybenzaldehyde
4IOMQU	4-Iodomethylquinuclidine
4M2PNO	4-Methyl-2-pentanone
4M2PPL	4-Methyl-2-propyl-1-pentanol
4MBP	4-Methylbiphenyl
4MBSA	4-Methylbenzene sulfonamide
4MC7	4-Methylheptane
4MDBFU	4-Methyldibenzofuran
4MENPA	4-(1-Methylethyl)-N-phenylaniline
4MFLRE	4-Methyl-9H-fluorene
4MMBHE	4-Methyl-1-(1-methylethyl)-bicyclo[3.1.0]hex-2-ene
4MP	4-Methylphenol / 4-Cresol / p-Cresol
4MPANR	4-Methylphenanthrene
4MPYR	4-Methylpyrene
4MXCHL	4-Methoxycyclohexanol
4MXP	4-Methoxyphenol
4NANIL	4-Nitroaniline
4NP	4-Nitrophenol
4NT	4-Nitrotoluene
4TBU2C	2-Methyl-4-(t-butyl) phenol / 4-t-Butyl-2-cresol
4TOP	4-t-Octylphenol
50H50A	50% Hexane - 50% acetone
50M50A	50% Methylene chloride - 50% acetone
50WMAN	50% Water - 25% Methanol - 25% acetonitrile
5CL2C	5-Chloro-o-cresol / 2-Methyl-5-chlorophenol
5E2MHP	5-Ethyl-2-methylheptane
5E5MD	5-Ethyl-5-methyldecane
5M2HXO	5-Methyl-2-hexanone
5M5HAL	5-Methyl-5-hydroxyhexanoic acid lactone
5N2OL	5-Norboren-2-ol
5NOTOL	5-Nitro-o-toluidine
5PTRID	5-Propyltridecane
6CL3C	3-Methyl-6-chlorophenol / 6-Chloro-3-cresol
6E6MFV	6-Ethyl-6-methylfulvene
6M3HPL	6-Methyl-3-heptanol
6MDOD	6-Methyldodecane
6MEPUR	6-Methylpurine
6MTRID	6-Methyltridecane

ACCEPTABLE ENTRIES: (Cont.)

6TBU2C	2-Methyl-6-(t-butyl) phenol / 6-t-Butyl-2-cresol
712DMA	7,12-Dimethylbenz[A]anthracene
7MTRID	7-Methyltridecane
8MNNDL	8-Methyl-1,8-nonanediol
9FLENO	9-Fluorenone
9HFLRE	9H-Fluoren-9-one
9MBAAN	9-Methylbenz[A]anthracene
9MXANT	9-Methoxyanthracene
AACHXE	Acetic acid, cyclohexyl ester
AADMP	alpha ,alpha-Dimethylphenethylamine
ABHC	alpha-Benzenehexachloride / alpha-Hexachlorocyclohexane
AC	Hydrogen cyanide / Hydrocyanic acid
AC228	Actinium 228
ACDHMW	Acids (high molecular weight)
ACET	Acetone
ACHE	Anticholinesterase
ACIDIT	Acidity
ACLDAN	alpha-Chlordane
ACHLOR	alpha-Chlordane (obsolete-use ACLDAN)
ACND10	Acenaphthene-D10
ACPHN	Acetophenone
ACROLN	Acrolein
ACRYLO	Acrylonitrile
ADHP	Ammonium dihydrogen phosphate
AENSLF	alpha-Endosulfan / Endosulfan I
AG	Silver
AG110M	Silver 110 (metastable)
AL	Aluminum
ALACL	Alachlor
ALAL	Aliphatic alcohols
ALDEHY	Aldehydes
ALDI	Aldicarb / 2-Methyl-2-(methylthio)propanal O-[(methylamino)carbonyl] oxime
ALDRN	Aldrin
ALHC	Aliphatic hydrocarbons
ALHMW	Alcohols (high molecular weight)
ALK	Alkalinity
ALKBIC	Alkalinity - bicarbonate
ALKCAR	Alkalinity - carbonate
ALKHYD	Alkalinity - hydroxide
ALKN	Alkanes

ACCEPTABLE ENTRIES: (Cont.)

ALKPHE	Alkalinity - phenolphthalein
ALPGF	Alpha gross-field
ALPGL	Alpha gross-lab
ALPGLA	Alpha gross-soluble acid fraction
ALPGLW	Alpha gross-soluble water fraction
ALPHAG	Alpha gross
ALPHPN	alpha-Pinene
ALYLOL	Allyl alcohol
AM241	Americium 241
AMCARB	Aminocarb
AMGD	Aminoguanidine
AMINCR	4-(Dimethylamino)-3-methylphenolmethyl-carbamate / Mexacarbate
AMOS	Amosite asbestos
ANAPHE	Acenaphthene
ANAPYL	Acenaphthylene
ANELNT	Anion elutent
ANIL	Aniline
ANPHO	Anthophyllite asbestos
ANTRC	Anthracene
ANTRCN	9-Anthracenecarbonitrile
ANTRQU	9,10-Anthracenedione / Athraquinone
ARAMT	Aramite
AS	Arsenic
ASBEST	Asbestos
ASEXT	Arsenic extractable
ASTOT	Arsenic total
ATNBA	2,4,6-Trinitrobenzaldehyde
ATNT	alpha-Trinitrotoluene (obsolete - use 246TNT)
ATZ	Atrazine
AU	Gold
AYLETH	Allyl ether
AZACN	Azacylononane
AZM	Azinphos methyl
B	Boron
B2CEXM	Bis (2-chloroethoxy) methane
B2CIPE	Bis (2-chloroisopropyl) ether
B2CLEE	Bis (2-chloroethyl) ether
B2EHP	Bis (2-ethylhexyl) phthalate
BA	Barium
BA140	Barium-140
BAANTR	Benzo[A]anthracene

ACCEPTABLE ENTRIES: (Cont.)

BAC	Benzal chloride
BAHXE	Butanoic acid, 1-hexyl ester
BAPYR	Benzo[A]pyrene
BARBAN	4-Chloro-2-butyl m-chlorocarbanilate / Barban
BBFANT	Benzo[B]fluoranthene
BBFLRE	Benzo[B]fluorene
BBHC	beta-Benzenehexachloride / beta-Hexachlorocyclohexane
BBNFN	Benzo[B]naphtho[2,3-D]furan
BBNTHP	Benzo[B]naphtho[1,2-D]thiophene
BBZP	Butylbenzyl phthalate
BCHPD	Bicyclo[2,2,1]hepta-2,5-diene
BCLDAN	beta-Chlordane
BCLME	Bis (chloromethyl) ether
BCMSO	Bis (carboxymethyl) sulfoxide
BCMSO2	Bis (carboxymethyl) sulfone
BCPHCE	2,2-Bis(chlorophenyl)chloroethylene (DDT related)
BCY3HX	Bicyclo[3,1,0]hexane
BDADME	Butanedioic acid, dimethyl ester
BDBANT	7H-Benz[DE]anthracen-7-one
BE	Beryllium
BE7	Beryllium 7
BEETO	1-(2-Butoxyethoxy) ethanol
BEGAG	Beta gamma gross
BENSLF	beta-Endosulfan / Endosulfan II
BENZA	Benzanthrone
BENZAL	Benzaldehyde
BENZID	Benzidine
BENZOA	Benzoic acid
BEP	2-Butoxyethanol phosphate
BEPYR	Benzo[E]pyrine
BETAG	Beta gross
BETGF	Beta gross-field
BETGL	Beta gross-lab
BETGLA	Beta gross-soluble acid fraction
BETGLW	Beta gross-soluble water fraction
BF2ANT	Benzobifluoroanthene
BGHIFA	Benzo[G,H,I]fluroanthene
BGHIPY	Benzo[G,H,I]perylene
BHC	BHC - nonspecific
BI	Bismuth
BI212	Bismuth 212

ACCEPTABLE ENTRIES: (Cont.)

BI214	Bismuth 214
BICYHX	Bicyclohexyl
BIDBI	1,5-Bis (1,1-dimethylethyl)-3,3-dimethylbicyclo[3.1.0]hexane-2-one
BINAP	Binaphthyl
BJFANT	Benzo[J]fluoranthene
BKFANT	Benzo[K]fluoranthene
BLDX	Bladex
BMP	Butylmethyl phthalate
BOD	Biological oxygen demand
BOLS	Bolstar
BPBG	Butylphthalyl butylglycolate
BR	Bromide
BRC6H5	Bromobenzene
BRCLM	Bromochloromethane
BRDCLM	Bromodichloromethane
BRMCIL	Bromacil
BTAZON	3-(1-Methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide / Bentazon
BTC	Benzotrichloride
BTHIOL	Benzenethiol
BTMSOA	Bis (trimethylsilyl) oxalic acid
BTZ	Benzothiazole
BUC6H5	Butylbenzene
BUEETH	Butylethyl ether
BZ	3-Quinuclidinyl benzilate
BZAL2M	alpha, alpha-Dimethylbenzenemethanol
BZALC	Benzyl alcohol
BZAPAN	Benzo[A]phenanthrene
BZCPAN	Benzo[C]phenanthrene
BZFANT	Benzfluoranthene
BZHQUN	Benzo[H]quinoline
BZOAME	Benzoic acid, methyl ester / Methyl benzoate
BZONH4	Benzoic acid, ammonium salt
BZOTHP	Benzo[B]thiophene
BZOTRP	Benzo[B]triphenylene
BZOTRZ	1H-Benzotriazole / 1,2,3-Benzotriazole
BZPA	Benzenephosphonic acid
BZYLBR	Benzyl bromide / alpha-Bromotoluene
BZYLCL	Benzyl chloride
C10	Decane
C11	Hendecane

ACCEPTABLE ENTRIES: (Cont.)

C12	Dodecane
C12AMM	8-Methyldecanoic acid, methyl ester
C12DCE	cis-1,2-Dichloroethylene / cis-1,2-Dichloroethene
C13	Tridecane
C13DCP	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene
C14	Tetradecane
C14A	Tetradecanoic acid / Myristic acid
C14AME	Tetradecanoic acid, methyl ester
C15	Pentadecane
C15A	Pentadecanoic acid
C16	Hexadecane
C16A	Hexadecanoic acid / Palmitic acid
C16ABE	Hexadecanoic acid, butyl ester
C16ADM	Hexadecanoic acid, dimethyl ester
C16AEH	Hexadecanoic acid, bis (2-ethylhexyl) ester
C16AME	Hexadecanoic acid, methyl ester
C16SAT	Saturated hydrocabons (C16)
C17	Heptadecane
C17A	C17 alkane
C17AM	Heptadecanoic acid, methyl ester
C18	Octadecane
C18SFP	Bis (pentafluorophenyl) phenyl phosphine
C18A	C18 alkane
C18ABE	Octadecanoic acid, butyl ester
C18AE	Octadecanoic acid, ethyl ester
C18AME	Octadecanoic acid, methyl ester
C18AOD	Octadecanoic acid, octadecyl ester
C18UNS	C18H30O Unknown
C19	Nonadecane
C19A	Nonadecanoic acid
C1ADME	Carbonic acid, dimethyl ester
C20	Eicosane
C21	Heneicosane
C22UNS	C22H40O Unknown
C25	Pentacosane
C2AEE	Acetic acid, ethyl ester / Ethyl acetate
C2AVE	Acetic acid, vinyl ester / Vinyl acetate
C2H3CL	Chloroethene / Vinyl chloride
C2H5CL	Chloroethane
C30AME	Triacontanoic acid, methyl ester
C35	Pentatriacontane

ACCEPTABLE ENTRIES: (Cont.)

C36	Hexatriacontane
C3A2MB	Propanoic acid, 2-methylbutyl ester
C3AME	Propanoic acid, methyl ester
C4	Butane
C4H1X1L	cis-4-Hexen-1-ol
C5A	Pentanoic acid / Valeric acid
C6D6	Benzene-D6
C6H6	Benzene
C6H1OH	Cyclohexanol
C7	Heptane
C7A	Heptanoic acid
C7NB1	Heptachloronorbornene
C8	Octane
C8A	C8 alkane
C8AME	Octanoic acid, methyl ester
C9	Nonane
CA	Calcium
CAAI1	Chloroacetaldehyde
CACO3S	Calcium carbonate solution
CALLMW	Hydrocarbons (all molecular weights)
CAMBEN	3-Amino-2,5-dichlorobenzoic acid / Chloramben
CAME	Carbamic acid, methyl ester
CAMP	Camphor
CAPLCT	Caprolactam / 6-Aminohexanoic acid lactam
CAPTAN	Captan
CARB14	Carbon 14
CARBAZ	9H-Carbazole / Carbazole
CARBOF	2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate
CATOL	Catechol
CBA	o-Chlorobenzaldehyde
CBCCH	cis-1-Bromo-2-chlorocyclohexane
CBOA	o-Chlorobenzoic acid
CC3	XXCC3
CCL2F2	Dichlorodifluoromethane
CCL3F	Trichlorofluoromethane
CCL4	Carbon tetrachloride
CCLDAN	cis-Chlordane
CCLF	Chlorofluoromethane
CCLF2	Chlorodifluoromethane
CCLF3	Trifluorochloromethane
CD	Cadmium

ACCEPTABLE ENTRIES: *(Cont.)*

CD2CL2	Methylene chloride-D2
CDACH	cis-1,2-Diacetoxycyclohexane
CDCBU	cis-1,4-Dichloto-2-butene
CDCL3	Chloroform-D
CDNBIS	Chlorodinitrobenzene isomer
CE	Cerium
CE141	Cerium 141
CE144	Cerium 144
CEC	Cation exchange capacity
CF252	Californium 252
CG	Phosgene / Carbonyl chloride
CH2BR2	Methylene bromide
CH2CL2	Methylene chloride
CH3BR	Bromomethane
CH3CL	Chloromethane
CH3CN	Acetonitrile
CH3I	Iodomethane
CH4	Methane
CHARD	Calculated Hardness
CHBR3	Bromoform
CHCL2I	Dichloroiodomethane
CHCL3	Chloroform
CHNO	Ethanolamine
CHNO2	Diethanolamine
CHO	1,2-Cyclohexane oxide
CHOLA	Cholestane
CHONE	Cyclohexanone
CHRY	Chrysene
CHRYS	Chrysotile asbestos
CK	Cyanogen chloride
CL	Chloride
CL10BP	Decachlorobiphenyl
CL2	Chlorine
CL2ACN	Dichloroacetonitrile
CL2BP	Dichlorobiphenyls
CL2BZ	Dichlorobenzenes
CL2CH2	Dichloromethane
CL2ETH	Ethylene chlorohydrin
CL2NAP	Dichloronaphthalenes
CL3BP	Trichlorobiphenyls
CL3C3E	Trichloropropenes

ACCEPTABLE ENTRIES: *(Cont.)*

CL3NAP	Trichloronaphthalenes
CL3P	Trichlorophenols
CL4BP	Tetrachlorobiphenyls
CL4NAP	Tetrachloronaphthalenes
CL4XYL	2,4,5,6-Tetrachlorometaxylene / Tetrachlorometaxylene
CL5B	Pentachlorobenzene
CL5BP	Pentachlorobiphenyls
CL5ET	Pentachloroethane
CL6BP	Hexachlorobiphenyls
CL6BZ	Hexachlorobenzene
CL6CP	Hexachlorocyclopentadiene
CL6ET	Hexachloroethane
CL7BP	Heptachlorobiphenyls
CL7NB	Heptachloronorbornadienes
CLBZL	Chlorobenzilate
CLC2A	Chloroacetic acid
CLC6D5	Chlorobenzene-D5
CLC6H5	Chlorobenzene / Monochlorobenzene
CLCYHX	Chlorocyclohexane
CLD	Chlorine demand
CLDAN	Chlordane
CLDEN	Chlordene
CLNAP	Chloronaphthalenes
CLO3	Chlorate
CLP	Chlorophenols
CLPRPM	Isopropyl m-chlorocarbanilate / Chlorpropham
CLTHL	Chlorothalonil
CLVRA	2-Chlorovinyl arsonic acid
CLXB	Chlorinated benzenes
CLXNAP	Chlorinated naphthalenes
CMME	Chloromethyl methyl ether
CMONOX	Carbon monoxide
CN	Chloroacetophenone
CO	Cobalt
CO2	Carbon dioxide
CO3	Carbonate
CO57	Cobalt 57
CO58	Cobalt 58
CO60	Cobalt 60
COD	Chemical oxygen demand
COLI	Fecal coliform

ACCEPTABLE ENTRIES: (Cont.)

COLOR	Color
COND	Specific conductivity
COND-F	Specific conductivity as tested in the field
CORRTY	Corrositivity (tendency to corrode)
COUMA	Coumaphos
COUMRN	2,3-Dihydrobenzofuran / Coumaran
CPCXAL	Cyclopentanecarboxaldehyde
CPMS	p-Chlorophenylmethyl sulfide
CPMSO	p-Chlorophenylmethyl sulfoxide
CPMSO2	p-Chlorophenylmethyl sulfone
CPO	Cyclopentanone
CPYR	Chloropyrifos
CR	Chromium
CR3	Chromium, III
CR51	Chromium 51
CRBRL	Carbaryl
CRFRN	Carbofuran
CRHEX	Hexavalent chromium
CRO4	Chromate
CROCO	Crocidolite asbestos
CRTALD	Crotonaldehyde / trans-2-Butenal
CRYOF	Cryoflex
CS	Cesium
CS134	Cesium 134
CS137	Cesium 137
CS2	Carbon disulfide
CSOL	Cresols
CT	Chlorotoluene
CU	Copper
CUEXT	Copper extractable
CUTOT	Copper total
CX	Phosgene oxime / Dichloroformoxime
CYDODC	Cyclododecane
CYHX	Cyclohexane
CYHXA	Cyclohexylamine
CYHXB	Cyclohexylbenzene / Phenylcyclohexane
CYHXE	Cyclohexene
CYN	Cyanide
CYNAM	Amenable cyanide
CYNF	Cyanide, free form
CYOCTE	Cyclooctatetraene

ACCEPTABLE ENTRIES: (Cont.)

CYPD	Cyclopentadiene
CYPNE	Cyclopentene
CYSD12	Chrysene-D12
DALA	2,2-Dichloropropionic acid / Dalapon
DBABA	Dibenz[A,B]anthracene
DBAEPY	Dibenzo[A,E]pyrene
DBAHA	Dibenz[A,H]anthracene
DBAHPY	Dibenzo[A,H]pyrene
DBAIPY	Dibenzo[A,I]pyrene
DBAJA	Dibenz[A,J]acridine
DBATTS	2,4-Dihydroxybenzoic acid, tris-trimethysilyl
DBCP	Dibromochloropropane
DBHC	delta-Benzenehexachloride / delta-Hexachlorocyclohexane
DBRCLM	Dibromochloromethane
DBRDCM	Dibromodichloromethane
DBTSPY	4,5-Dimethyl-2,6-bis (trimethylsiloxy) pyrimidine
DBUCLE	Dibutylchlorendate
DBZFUR	Dibenzofuran
DBZTHP	Dibenzothiophene
DCAA	2,4-Dichlorophenyl acetic acid / DCAA
DCAMBA	Dicamba / 2-Methoxy-3,6-dichlorobenzoic acid
DCBPH	Dichlorobenzophenone
DCBUT	Dichlorobutane
DCHP	Dicyclohexyl phthalate
DCLB	Dichlorobenzene - nonspecific
DCLRN	Dichloran / Dichlorobenzalkonium chloride
DCMBF	5,7-Dichloro-2-methylbenzofuran
DCMPSX	Decamethylcyclopentasiloxane
DCPA	2,3,5,6-Tetrachloro-1,4-benzenedicarboxylic acid dimethyl ester / Dacthal
DCPD	Dicyclopentadiene
DCPL	Dichlorophenlactic
DDVP	Vapona / Dichlorvos / Dichlorophos
DEA	Diethylamine
DECYLB	Decylbenzene
DEDMP	Diethyldimethyl diphosphonate
DEETH	Diethyl ether
DEGLYC	2,2-Oxybis[ethanol] / Diethylene glycol
DEMBZA	N,N-Diethyl-3-methylbenzamide
DEMO	Demeton-O
DEMP	Diethyl methylphosphonite / TR
DEMS	Demeton-S

ACCEPTABLE ENTRIES: (Cont.)

DEP	Diethyl phthalate
DEPD4	Diethyl phthalate-D4
DIHDZPY	3,4-Dihydro-2H-1-benzopyran
DIHDMAC	9,10-Dihydro-9,9-dimethylacridine
DIACAL	Diacetone alcohol / 4-Hydroxy-4-methyl-2-pentanone
DIADS	Bis (diisopropylaminoethyl) disulfide
DIAEL	Bis (diisopropylamino) ethanol
DIAEP	S-Diisopropylaminoethyl methylphosphonothioate
DIAET	Bis (diisopropylamino) ethanethiol
DIALAT	Diallate / Diisopropylthiocarbamic acid
DIAS	Bis (diisopropylamino) ethylsulfide
DIASO2	Bis (diisopropylamino) ethylsulfonate
DIAZ	Diazinon
DIBP	Diisobutyl phthalate
DICLP	Dichlorophenols
DICOF	Dicofol
DICP	2-(2,4-Dichlorophenoxy)propionic acid / Dichloroprop
DIDDP	Diisopropyldimethyl diphosphonate
DIESEL	Diesel fuel / Fuel oil no. 2
DIH2O	Deionized water
DIMP	Diisopropyl methylphosphonate
DINO	2,4-Dinitro-6-sec-butylphenol / DINOSEB
DIOP	Diisooctyl phthalate
DIOXOL	Dioxolane
DIPETH	Diisopropyl ether
DIPK	Diisopropyl ketone / Dimethyl-2-propanone
DIPUR	Diisopropyl urea
DISBCB	Diisobutyl carbinol
DISP	Phosphorus, dissolved (as P)
DITH	Dithiane
DIURON	3-(3,4-Dichlorophenyl)-1,1-dimethylurea / Diuron
DL2HPG	dl-2-(3-Hydroxyphenyl) glycine
DLDRN	Dieldrin
DM	Adamsite
DM1ACH	2,2-Dimethyl-1-acetylcyclohexane
DMA	Dimethylaniline (obsolete - use NNDMA)
DMCAR	Dimethyl dihydrocarbonate
DMCP	Dimethylcyclopentane - nonspecific
DMCPDE	1,2-Dimethylcyclopentadiene
DMDS	Dimethyl disulfide
DMEBZO	4-(1,1-Dimethylethyl)benzoic acid

ACCEPTABLE ENTRIES: (Cont.)

DMETDA	N,N-Dimethyl-1,2-ethanediamine
DMETH	Dimethyl ether
DMIP	Dimethyl isophthalate
DMMP	Dimethyl methylphosphate
DMOATE	Dimethoate
DMP	Dimethyl phthalate
DMPCHE	3-(2,2-Dimethylpropoxy) cyclohexene
DMPHEN	Dimethyl phenol / Dimethylhydroxy benzene
DMPTHF	2,2-Dimethyl-5-(1-methylpropyl) tetrahydrofuran
DMXDMS	Dimethoxydimethylsilane
DNBEE	1,1-Di-n-butylethylene / 1,1-Di-n-butylethene
DNBP	Di-N-butyl phthalate
DNOP	Di-N-octyl phthalate
DNOPD4	Di-N-octyl phthalate-D4
DNPP	Di-N-pentyl phthalate
DNTISO	Dinitrotoluene isomer
DO	Dissolved oxygen
DOAD	Dioctyl adipate / Hexanedioic acid, dioctyl ester
DOAZ	Dioctyl azelate
DOC	Dissolved organic carbon
DODECB	Dodecylbenzene
DOETH	Dioctyl ether
DOPAM	4-(2-Aminoethyl) pyrocatechol / Dopamine
DPA	Diphenylamine
DPETH	Diphenyl ether
DPETYN	1,1-(1,2-Ethynediyl) bis[benzene]
DPH	Diphenylhydrazines - nonspecific
DPHNY	Diphenyl
DPNTLL	D-(-)-Pantolyl lactone
DPSO	Diphenyl sulfoxide
DPSULF	1,1-Thiobis[benzene] / Diphenyl sulfide
DRBM	Dibromomethane
DSEDIN	Diseleno diindole
DSTON	Disulfoton
DTB4C	2,6-Di-tert-butyl-4-cresol (obsolete - use 26DBMP)
DTCHBO	1.alpha.(E),4.alpha.-1-(1,4-Dihydroxy-2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one
DURS	Dursban
DXYA12	DXYA12
DYSCAN	GC-MS dye scan
EA2192	S-2-Diisopropylaminoethyl methylphosphonic acid

ACCEPTABLE ENTRIES: (Cont.)

EBCPGL	Ethyl-2,2-bis (4-chlorophenyl) glycolate
ED	Dichloroethyl arsine
EDBDAS	3-Phenylpropanol
EGMEE	Ethylene glycol, monoethyl ether / 1,1-Oxybis(2-ethoxy) ethane
EICOSL	1-Eicosanol
EMFUR	3-Ethyl-4-methyloctane
EMPA	Ethyl methylphosphonic acid / Ethyl methylphosphonate
EMS	Ethyl methanesulfonate
ENDRN	Endrin
ENDRNA	Endrin aldehyde
ENDRNK	Endrin ketone
ENHETH	Ethyl-N-hexyl ether
EPCLHD	Epichlorohydrin / Chloromethyloxirane
EPHEN	Ethyl phenol / Ethylhydroxy benzene
EPTOX	Extraction procedure toxic organics
ESFSO4	Endosulfan sulfate
ET3MBZ	1-Ethyl-3-methylbenzene
ET4MBZ	1-Ethyl-4-methylbenzene
ETBD10	Ethylbenzene-D10
ETC6H5	Ethylbenzene
ETCYHX	Ethylcyclohexane
ETHACD	Acetic acid / Ethanoic acid
ETHBR	Bromoethane / Ethyl bromide
ETHER	Ether - nonspecific
ETHION	Ethion
ETHOPR	Ethoprop
ETHPO4	Ethyl phosphate / Phosphoric acid, triethyl ester
ETMACR	Ethyl methacrylate
ETMEBZ	Ethylmethyl benzene
ETOH	Ethanol
ETOX	Ethylene oxide / Oxirane / Anprolene
EU	Europium
F	Fluoride
F10BP	Decafluorobiphenyl
FABPEE	Formic acid, beta-phenylethyl ester
FACHXE	Formic acid, cyclohexyl ester
FAMPHR	Famphur
FANT	Fluoranthene
FARN	Farnesol
FATAL	Fatty alcohols
FC2A	Fluoroacetic acid

ACCEPTABLE ENTRIES: (Cont.)

FE	Iron
FE59	Iron 59
FENRN	3-Phenyl-1,1-dimethylurea / Fenuron
FENRNT	1,1-Dimethyl-3-phenylurea trichloroacetate
FIBGLS	Fibrous glass / Fiberglass
FLASH	Flash point
FLMTRN	1,1-Dimethyl-3-(A,A,A-trifluoro-m-tolyl)urea
FLRENE	Fluorene
FLUMET	Fluometuron
FNT	Fenthion
FOIL1	Fuel oil no. 1
FOIL6	Fuel oil no. 6
FORM	Formaldehyde / Methyl aldehyde
FREON	Freon / Dichlorofluoromethane
FRN112	Freon 112 / Tetrachlorodifluoroethane
FST	Fensulfothion
FSTREP	Fecal streptococci
FURAL	Furfuryl alcohol / 2-Furanmethanol
FURANS	Dibenzofurans - nonspecific
GA	Tabun / Ethyl-N,N-dimethyl phosphoramidocyanidate
GALM	Gallium
GAMAG	Gamma gross
GAMMAS	Gamma scan / Gamma screen
GAS	Gasoline / Gasoline, tegular
GB	Sarin / Isopropyl methylphosphonofluoridate
GBHC	gamma-Hexachlorocyclohexane (obsolete - use LIN)
GCHLOR	gamma-Chlordane (obsolete-use GCLDAN)
GCLDAN	gamma-Chlordane
GD	Soman / Pinacolyl methylphosphonofluoridate
GE	Germanium
GLPHST	Glyphosate
GRNDY	Green dye
GUNIT	Guanidine nitrate
H	Levinstein mustard
H2O	Water
H2S	Hydrogen sulfide
H3PO4	Phosphoric acid
HARD	Total hardness
HCBD	Hexachlorobutadiene / Hexachloro-1,3-butadiene
HCNB	Hexachloronorbornadiene
HCO3	Bicarbonate

ACCEPTABLE ENTRIES: (Cont.)

HD	Distilled mustard / Bis (2-chloroethyl) sulfide
HEDODA	N,N-Bis(2-hydroxyethyl)dodecanamide
HEXAC	Hexanoic acid / Caproic acid
HEXANE	Hexane
HG	Mercury
HGEXT	Mercury extractable
HGTOT	Mercury total
HMTCHE	2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexane
HMX	Cyclotetramethylenetetranitramine
HN	Nitrogen mustard
HO	Holmium
HPCDD	Heptachlorodibenzodioxin - nonspecific
HPCDF	Heptachlorodibenzofuran - nonspecific
HPCL	Heptachlor
HPCLE	Heptachlor epoxide
HPLH2O	HPLC-grade water
HPO4	Hydrolyzable phosphate
HTH	Hypochlorite
HWX013	Halowax 1013
HWX099	Halowax 1099
HXAB2E	Hexanedioic acid, bis (2-ethylhexyl) ester
HXADBE	Hexanedioic acid, dibutyl ester / Dibutyl adipate
HXADME	Hexanedioic acid, dimethyl ester / Dimethyl adipate
HXADOE	Hexanedioic acid, dioctyl ester (obsolete - use DOAD)
HXCDD	Hexachlorodibenzodioxin - nonspecific
HXCDF	Hexachlorodibenzofuran - nonspecific
HXCOS	Hexacosane
HXCPEN	Perchloropropene / Hexachloropropene
HXHMAZ	4,5,6,7,8,8A-Hexahydro-8A-methyl-2-[1H]-azuleone
HXMETA	1,3,5,7-Tetraazatricyclo[3.3.13.7]decane / Hexamethylene tetramine
HXMTSX	Hexamethylcyclotrisiloxane
HYDARO	Hydroxylated aromatics / Aromatics, hydroxylated
HYDRND	1H-Indene, octahydro- / Hydrindane
HYDRZ	Hydrazine
HYNB	7-Hydroxynorbornadiene
I	Iodine (as I)
I131	Iodine 131
ICDPYR	Indeno[1,2,3-C,D]pyrene
IGNIT	Ignitability
IMPA	Isopropyl methylphosphonic acid / Isopropyl methylphosphonate
IN	Indium

ACCEPTABLE ENTRIES: (Cont.)

INDAN	1-Hydroxy-2,3-methylene indan (M.W.146)
INDENE	Indene
INDOLE	Indole / 2,3-Benzopyrrole
IOCDF	Octachlorodibenzofuran, C13 isomeric
IPA	Isopropylamine
ISODR	Isodrin
ISOPBZ	Isopropylbenzene / Cumene
ISOPHR	Isophorone
ISOPT	Isopropyltoluene
ISOQUN	Isoquinoline
ISOVAL	3-Methylbutanoic acid / Isovaleric acid
ISOSAF	Isosafrole
ITCDD	2,3,7,8-Tetrachlorodibenzodioxin, C13 isomeric
ITCDF	2,3,7,8-Tetrachlorodibenzofuran, C13 isomeric
K	Potassium
K40	Potassium 40
KB	2-Diisopropylaminoethanol
KEP	Kepone / Chlordecone
KEND	Ketoendrin
L	Lewisite
LA	Lanthanum
LA140	Lanthanum 140
LACYBB	Lactic acid, cyclic butaneboronate
LAURIC	Lauric acid
LI	Lithium
LIGNIN	Lignin
LIN	Lindane / gamma-Benzenehexachloride / gamma-Hexachlorocyclohexane
LINRN	3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea / Linuron
LIPID	Lipids, percentage
LO	Lewisite oxide
LT	Bis (2-diisopropylaminoethyl) methylphosphonite
LT-A	Bis (2-diisopropylaminoethyl) methylphosphonate
MALO	Malononitrile
MBADOE	3-Methylbutanoic acid, 3,7-dimethyl-2,4,6-octatrienyl ester
MBAS	Foaming agents / Methylyne blue active substance
MBOH	alpha-Methylbenzyl alcohol
MBZ	Metribuzin
MBZA	alpha-Methylbenzyl acetoacetate
MBZCAC	5-Methylbenzo[C]actidine
MBZCl	alpha-Methylbenzyl-2-chloroacetoacetate
MCPA	4-Chloro-o-tolyloxyacetic acid / MCPA

ACCEPTABLE ENTRIES: (Cont.)

MCPP	2-(4-Chloro-2-methylphenoxy)propionic acid / MCPP
MDCL	2-Methylundecanal / 2-Methylhendecanal
ME2AEA	Dimethyl arsenic acid
ME2C11	Dimethylundecanes
ME2HG	Dimethyl mercury
ME2HPL	Methyl-2-heptanols
ME2HPO	Methyl-2-heptanones
ME2NAP	Dimethylnaphthalenes
ME3C10	Trimethyldecanes
ME3C11	Trimethylundecanes
ME3C6	Trimethyl hexanes
ME3NAP	Trimethylnaphthalenes
MEAOA	Methyl arsonic acid
MEBPIP	1,1'-Methylenebis[piperidine]
MEC6D8	Toluene-D8
MEC6H5	Toluene
MECC6	Methylcyclohexane
MECYBU	Methylcyclobutane
MECYDC	Methylcyclodecane
MECYPE	Methylcyclopentane
MEHG	Methyl mercury
MEHGCL	Methyl mercury chloride
MEK	Methyl ethyl ketone / 2-Butanone
MELAM	Melamine / 1,3,5-Triazine-2,4,6-triamine
MEOH	Methanol
MEPHEN	Methylethyl phenol / Methylethylhydroxy benzene
MEPOH	2-Methylpentanol
MERP	Merphos
MES	Methyl sulfide / Thiobismethane
MESTOX	Mesityl oxide / 4-Methyl-3-penten-2-one
METARB	*Methioarb*
METHCB	3,5-Dimethyl-4-(methylthio) phenyl methylcarbamate
METLAP	Methylnaphthalenes
METMYL	Methomyl
MEVIN	Mevinphos
MEXCLR	Methoxychlor
MG	Magnesium
MHYDRZ	Methylhydrazine
MIBCOH	Methyl Isobutyl carbinol (4-methyl-2-pentanol)
MIBK	Methylisobutyl ketone
MINWOL	Mineral wool

ACCEPTABLE ENTRIES: (Cont.)

MIPK	Methylisopropyl ketone
MIREX	*Mirex*
MLNAT	Mollinate
MLTHN	Malathion
MMS	Methyl methanesulfonate
MN	Manganese
MN54	Manganese 54
MNBK	Methyl-N-butyl ketone / 2-Hexanone
MNCRPH	Dimethyl-(E)-1-methyl-2-methylcarbamoylvinyl phosphate
MNRNTC	3-(p-Chlorophenyl)-1-1-dimethylurea trichloroacetate
MO	Molybdenum
MO99	Molybdenum 99
MONRN	3-(p-Chlorophenyl)-1,1-dimethylurea / Monuron
MP	Methylphenols
MPA	Methylphosphonic acid
MPDDD	2-(m-Chlorophenyl)-2-(p-chlorophenyl)-1,1- dichloroethane
MPK	Methylpropyl ketone / 2-Pentanone
MPRTHN	Parathion methyl
MQFH2O	Milli-Q-filtered water
MSSCAN	GC-MS organic scan
MTHCRN	Methylacrylonitrile / 2-Methyl-2-propenenitrile / Methacrylonitrile
MTHMYL	S-Methyl-N-((methylcarbamoyl)-oxy)-thioactimidate
MTRITN	Methyl trithion.
MTRZL	Metrazol / Cardiazole
MXCRBT	4-Dimethylamino-3,5-xylyl N-methylcarbamate
N2KJEL	*Nitrogen by Kjeldahl Method*
NA	Sodium
NA22	Sodium 22
NACL	Sodium chloride
NACLO	Sodium hypochlorite
NALED	Naled
NAOHME	50% 1M NaOH - 50% Methanol
NAP	Naphthalene
NAPD8	Naphthalene-D8
NB	Nitrobenzene
NB94	Niobium 94 / Columbium
NB95	Niobium 95 / Columbium
NBACET	n-Butylacetate
NBD5	Nitrobenzene-D5
NBMBSA	N-Butyl-4-methylbenzenesulfonamide
NBUETH	1,1'-Oxybis[butane] / n-Butyl ether

ACCEPTABLE ENTRIES: (Cont.)

NC	Nitrocellulose
NC1	Nitrocellulose 12%N
NC2	Nitrocellulose 13.4%N
NCLN	Nonylcyclanol
NCPPPA	N-(4-Chlorophenyl)-3-phenyl-2-propenamide
ND	Neodymium
NDIIXA	N-Nitrodihexylamine
NDIOX	Nitrogen dioxide
NDMBSA	N,4-Dimethylbenzenesulfonamide
NDNPA	Nitrosodi-N-propylamine
NE2PEA	N-Ethyl-2-propenamide
NEBRN	1-n-Butyl-3-(3,4-dichlorophenyl)-1-methylurea / Neburon
NECHXA	N-Ethylcyclohexylamine
NG	Nitroglycerine
NH3	Ammonia
NH3N2	Ammonia nitrogen
NH4	Ammonium
NH4NIT	Ammonium nitrate
NH4PIC	Ammonium picrate / 2,4,6-Trinitrophenol ammonium salt
NHEDCA	N-(2-Hydroxyethyl)-decanamide
NI	Nickel
NI63	Nickel 63
NIOB	Niobium
NIT	Nitrite, nitrate - nonspecific
NITARO	Nitroaromatics
NMANIL	N-Methylaniline
NMCANE	N-Methylcarbamic acid, 1-naphthyl ester
NMNSOA	N-Methyl-N-nitrosoaniline
NN4HPL	N-Nitroso-4-hydroxyproline
NNADME	Nonanedioic acid, dimethyl ester
NNDEA	N-Nitrosodiethylamine
NNDMA	N,N-Dimethylaniline
NNDMEA	N-Nitrosodimethylamine
NNDNB	N-Nitroso-di-N-butylamine
NNDNPA	N-Nitrosodi-N-propylamine
NNDPA	N-Nitrosodiphenylamine
NNMEA	N-Nitrosomethylethylamine
NNMORP	N-Nitrosomorpholine
NNPIP	N-Nitrosopiperidine
NNPIPA	N-Nitrosopentylisopentylamine
NNPYRL	N-Nitrosopyrrolidine

ACCEPTABLE ENTRIES: (Cont.)

NO2	Nitrite
NO3	Nitrate
NONPHE	Nonyl phenol (any isomer)
NPOX	Nonpurgeable organic halides
NPQ	Naphthoquinone
NQ	Nitroguanidine
NTMBSA	N,N,4-Trimethylbenzenesulfonamide
O2	Oxygen
OCADME	Octanedioic acid, dimethyl ester
OCDD	Octachlorodibenzodioxin - nonspecific
OCDF	Octachlorodibenzofuran - nonspecific
ODAPDM	Octadecanoic acid, (2-phenyl-1,3-dioxolan-4-yl) methyl ester
ODECA	Octadecanoic acid / Stearic acid
ODMNSX	Octadecamethylcyclononasiloxane
ODOR	Odor
OEMP	*O-Ethyl methylphosphonate*
OILGR	Oil & grease
OMCTSX	Octamethylcyclotetrasiloxane
OPDDD	2-(o-Chlorophenyl)-2-(p-chlorophenyl)-1,1- dichloroethane
OPDDE	2-(o-Chlorophenyl)-2-(p-chlorophenyl)-1,1-dichloroethene
OPDDT	2-(o-Chlorophenyl)-2-(p-chlorophenyl)1,1,1-trichloroethane
OPO4	Organophosphates
ORGFIB	Organic fibers
OS	Osmium
OXAL	Oxalic Acid
OXAMYL	Methyl N',N'-dimethyl-N-((methylcarbamoyl)oxy)-1-amylacetate / Oxamyl
OXAT	1,4-Oxathiane
OXCN	Oxacyclononane
OZONE	Ozone
P4	Phosphorus
PA234	Protactinium 234
PA2HDE	Propanoic acid, 2-hydroxydecyl ester
PA2MBE	Pentanoic acid, 2-methylbutyl ester
PAD4NE	Phosphoric acid, diethyl-4-nitrophenyl ester
PAH	Polynuclear aromatic hydrocarbons
PAODPE	Phosphoric acid, octyldiphenyl ester
PARTIC	Particulate matter / Particulates measured by filter
PATBUE	Propanoic acid, t-butyl ester
PATPE	Phosphoric acid, triphenyl ester
PB	Lead
PB211	Lead 211

ACCEPTABLE ENTRIES: (Cont.)

PB212	Lead 212
PB214	Lead 214
PBSTY	Lead styphnate
PBTE	Lead, tetraethyl / Tetraethyllead
PCB016	PCB 1016
PCB221	PCB 1221
PCB232	PCB 1232
PCB242	PCB 1242
PCB248	PCB 1248
PCB254	PCB 1254
PCB260	PCB 1260
PCB262	PCB 1262
PCDD	Pentachlorodibenzodioxin - nonspecific
PCDF	Pentachlorodibenzofuran - nonspecific
PCH	Pentachlorohexane
PCLORM	Dimethyl-2,3,5,6-trichloropicolinic acid / Picloram
PCNB	Pentachloronitrobenzene
PCP	Pentachlorophenol
PCYMEN	4-(1-Methylethyl) toluene / p-Cymene
PD	Dichlorophenyl arsine
PDHYD	Phosphorus, dissolved hydrolyzable (as P)
PDMAB	p-Dimethylaminoazobenzene
PDMSLX	Polydimethyl siloxane / Dimethylpoly siloxane
PDORG	Phosphorus, dissolved organic (as P)
PEGE	Polyethyleneglycol ethers
PENAMD	N-Pentamide
PENTAN	Pentane
PERTHN	Perthane
PETDIL	Petroleum distillates
PETN	Pentaerythritol tetranitrate
PFP	Pentafluorophenol
PH	pH
PH-P	pH as tested in the field
PHAD10	Phenanthrene-D10
PHANTR	Phenanthrene
PHENA	Phenacetin
PHENAA	Phenylacetic acid
PHEND5	Phenol-D5
PHEND6	Phenol-D6
PHENLC	Phenolics - nonspecific
PHENOL	Phenol

ACCEPTABLE ENTRIES: (Cont.)

PHOR	Phorate
PHTHA	1,2-Benzenedicarboxylic acid / Phthalic acid
PHTHL	Phthalates
PHXAA	Phenoxyacetic acid
PHYCP	1,2,3,4,5-Pentahydroxycyclopentane
PHYDR	Phosphorus, total hydrolyzable (as P)
PHYETH	1,1'-(1,3-Phenylene)ethanone
PIC3	3-Picoline
PIPER	Piperidine
PLEXI	Methyl methacrylate / Plexiglass
PMPA	Propyl methylphosphonic acid
PO4	Phosphate
PO4ORT	Orthophosphate
PORG	Phosphorus, total organic (as P)
POX	Purgeable organic halogen
PPDDD	2,2-Bis (p-chlorophenyl)-1,1-dichloroethane
PPDDE	2,2-Bis (p-chlorophenyl)-1,1-dichloroethene
PPDDT	2,2-Bis (p-chlorophenyl)-1,1,1-trichloroethane
PPTDE	2,2-Bis (p-chlorophenyl)-2-phenyl-1,1- dichloroethene
PQUIN	1,4-Benzoquinone / p-Benzoquinone
PRC6H5	Propylbenzene / n-Propylbenzene
PROACD	Propionic acid
PROMET	Prometon / Primatol / 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine
PRONA	Pronamide
PROPHM	Isopropyl carbanilate / IPC / Propham
PROPOX	Propylene oxide / Methyl oxirane
PROPXR	2-(1-Methyloxy)phenol methylcarbamate / Propoxur
PRTHN	Parathion
PT	Platinum
PTHZ	Phthalazinone
PU238	Plutonium 238 isotope
PU239	Plutonium 239 isotope
PU240	Plutonium 240 isotope
PYLD12	Perylene-D12
PYR	Pyrene
PYRD10	Pyrene-D10
PYRDIN	Pyridine
QA	2-Diisopropylaminoethyl methylphosphinate
QALT	Co-eluting compounds QA and LT (q.v.)
QB	2-Diisopropylaminoethyl ethyl methylphosphonate
QL	QL / Ethyl 2-diisopropylaminoethyl methylphosphonite

ACCEPTABLE ENTRIES: (Cont.)

QUINO	Quinoline / Benzo[B]pyridine
RA	Radium
RA223	Radium 223
RA224	Radium 224
RA226	Radium 226
RA228	Radium 228
RB	Rubidium
RDX	Cyclonite / Hexahydro-1,3,5-trinitro-1,3,4-triazine
RE	Rhenium
REACTY	Reactivity
REDDY	Red dye
RESACI	Resin acids
RESIST	Resistivity
RESO	Resorcinol / 1,3-Benzenediol
RN	Radon
RN226	Radon 226
RO	Rhodium
RO106	Rhodium 106
RON	Ronnel
ROTEN	Rotenone
RU	Ruthenium
RU103	Ruthenium 103
RU106	Ruthenium 106
S	Sulfur
S2CL2	Sulfur monochloride
SAFROL	Safrole / 5-(2-Propenyl)-1,3-benzodioxole
SALINE	Saline
SALINI	Salinity
SB	Antimony
SB124	Antimony-124
SB125	Antimony-125
SBBEN	sec-Butylbenzene / 2-Phenylbutane
SC	Scandium
SCN	Thiocyanate
SE	Selenium
SEVIN	Sevin / 1-Naphthalenol methylcarbamate
SFOTEP	Sulfotepp / Thiodiphosphoric acid, tetraethyl ester
SI	Silica
SIDRN	1-(2-Methylcyclohexyl)-3-phenylurea / Siduron
SIL	Silicone
SILCON	Silicon

ACCEPTABLE ENTRIES: (Cont.)

SILVEX	Silvex
SIMAZ	Simazine / 6-Chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine
SN	Tin
SO2	Sulfur Dioxide
SO3	Sulfite
SO4	Sulfate
SPIRO	(1',5 trans)-7-Chloro-6-hydroxy-2',4- dimethoxy-6'-methyl spiro [benzofuran-2-(3H)-1'-(2)-cyclohexene]-3, 4'-dione
SQUAL	Squalene
SR	Strontium
SR90	Strontium 90
SSOL	Settleable solids
STB	Super tropical bleach
STERO	Steroids
STIGMA	Stigmastenal
STIR	Stirophos / Tetrachlorvinphos
STROBN	Strobane / Terpine polychlorinates
STYPH	Styphnate ion
STYPHA	Styphnic acid (obsolete - use 246TNR)
STYR	Styrene
SUADME	Sulfuric acid, dimethyl ester
SULFID	Sulfide
SUPONA	Supona / 2-Chloro-1-(2,4-dichlorophenyl) vinyldiethyl phosphate
SWEP	Methyl-N-(3,4-dichlorophenyl)carbamate / Swep
T12DCE	trans-1,2-Dichloroethene / trans-1,2-Dichloroethylene
T13DCP	trans-1,3-Dichloropropene
T1B2BC	trans-1-Bromo-2-butylcyclopropane
T2DEC	trans-2-Decene
TA	Tantalum
TANNIN	Tannin
TASTE	Taste
TBA	Tributylamine
TBASDE	Thiobutyric acid, S-decyl ester
TBBEN	tert-Butylbenzene / 2-Methyl-2-phenylpropane
TBCARB	2,2-Dimethyl-1-propanol / tert-Butylcarbinol / Neopentyl alcohol
TBP	Tributyl phosphate
TCB	Tetrachlorobenzenes
TCB1	1,2,4,5-Tetrachlorobenzene
TCB2	1,2,3,4-Tetrachlorobenzene
TCB3	1,2,3,5-Tetrachlorobenzene
TCDD	2,3,7,8-Tetrachlorodibenzo-p-dioxin / Dioxin

ACCEPTABLE ENTRIES: (Cont.)

TCDF	2,3,7,8-Tetrachlorodibenzofuran
TCHDCS	trans-1,2-Cyclohexandiol, cyclic sulfite
TCLDAN	trans-Chlordane
TCLEA	1,1,2,2-Tetrachloroethane
TCLEE	Tetrachloroethylene / Tetrachloroethene
TCLTFE	1,1,2-Trichloro-1,2,2-trifluoroethane
TCN	Trichloronate
TCOS	Tetracosane
TCP	Trichloropropane
TCSAME	15-Tetracosenoic acid, methyl ester
TCST	Trichlorostyrenes
TCYN	Total cyanide
TDCBU	trans-1,4-Dichloro-2-butene
TDEMET	Demeton total
TDGCL	Thiodiglycol
TDGCLA	Thiodiglycolic acid
TDMHSX	Tetradecamethyl hexasiloxane
TDODTL	tert-Dodecanethiol
TDS	Total dissolved solids
TE	Tellurium
TEGLME	Triethylene glycol, methyl ether
TEGLYC	2,2'-[1,2-Ethanediylbis(oxy)] bis[ethanol] / Triethylene glycol
TEMP	Temperature
TEMP-F	Temperature as tested in the field
TEPO4	Triethyl phosphate
TETPT	Tetrachlorocyclopentene
TETR	Tetrazene
TETRYL	Nitramine / N-Methyl-N,2,4,6-tetranitroaniline / Tetryl
TFAAPE	Trifluoroacetic acid, 1,5-pentanediyl ester
TFDCLE	1,1,2-Trifluoro-1,2-dichloroethane
TFTCLE	1,1,1-Trichloro-2,2,2-trifluoroethane
TGLYME	Tetraglyme
TH	Thorium
TH227	Thorium 227
TH228	Thorium 228
TH230	Thorium 230
TH232	Thorium 232
TH234	Thorium 234
THBNC	Thiobencarb
THCDD	Total hexachlorodibenzo-p-dioxins
THCDF	Total hexachlorodibenzofurans

ACCEPTABLE ENTRIES: (Cont.)

THF	Tetrahydrofuran
THMNAP	1,2,3,4-Tetrahydro-1H-methylnaphthalene
THNAP	1,2,3,4-Tetrahydronaphthalene / Tetralin
THNCRB	Thinocarb
THP2ML	Tetrahydropyranyl-2-methanol
THPCDD	Total heptachlorodibenzo-p-dioxins
THPCDF	Total heptachlorodibenzofurans
TI	Titanium
TINNIN	Tannin and lignin combined
TL	Thallium
TL208	Thallium 208
TM3PL	2,3,4-Trimethyl-3-pentanol
TMBPET	2-(2-(4-(1,1,3,3-Tetramethyl)butyl)phenoxy)ethanol
TMHPDO	3,3,6-Trimethyl-1,5-heptadien-4-one
TMHXL	3,5,5-Trimethyl-1-hexanol
TMNT	Total mononitrotoluenes
TMODEO	2,2,7,7-Tetramethyl-4,5-octadien-3-one
TMP	Trimethyl phosphate
TMPHAN	Tetramethylphenanthrene
TMPO	Trimethylphosphonate
TMPO3	Trimethyl phosphite
TMPO4	Trimethyl phosphate (obsolete - use TMP)
TMTCON	3,5,24-Trimethyltetracontane
TMUR	Tetramethylurea
TNBISO	Trinitrobenzene isomer
TNTISO	Trinitrotoluene isomer
TOC	Total organic carbon
TOCDD	Total octochlorodibenzo-p-dioxins
TOCDF	Total octachlorodibenzofurans
TOKU	Tokuthion / Prothiophos
TORC	Total organic content, 444C (ASTM)
TOTASH	Total ash / Ash, total
TOTCOL	Total coliform
TOTDDT	Total value of all DDT, DDE, DDD isomers
TOTGAP	Total gravimetric, acid fraction
TOTHG2	Total mercury
TOTPCB	Total PCBs
TOX	Total organic halogens
TPCDD	Total pentachlorodibenzo-p-dioxins
TPCDF	Total pentachlorodibenzofurans
TPH	Thiophene

ACCEPTABLE ENTRIES: (Cont.)

TPHAVG	Total petroleum hydrocarbons, aviation gasoline fraction
TPHC	Total petroleum hydrocarbons
TPHDSL	Total petroleum hydrocarbons, diesel fraction
TPHGAS	Total petroleum hydrocarbons, gas fraction
TPO4	Total phosphates
TPP	Triphenylphosphate
TRCLE	Trichloroethylene / Trichloroethene
TREACT	Tramolite-actinolite asbestos
TREFLN	Trifluralin / Treflan
TRIBZ	Trichlorobenzenes
TRIMBZ	Trimethylbenzenes
TRIPT	Trichlorocyclopentene
TRITIU	Tritium
TRITN	Trithion
TRMTDE	2,3,4-Trimethyl-4-tetradecene
TRO	Diethyl methylphosphonate
TRPD14	Terphenyl-D14
TRPHEN	Triphenylene
TRXMET	Trihalomethanes
TS	Total sulfur
TSAHPE	p-Toluenesulfonic acid, heptyl ester
TSOLID	Total solids
TSS	Total suspended solids
TTCDD	Total tetrachlorodibenzo-p-dioxins
TTCDF	Total tetrachlorodibenzofurans
TTCP	Tetrachlorophenol
TTCTFE	Trichlorotrifluoroethane
TTO	Total toxic organics
TU	Total uranium
TURBID	Turbidity
TVS	Total volatile solids
TXPHEN	Toxaphene
TXYLEN	Xylenes, total combined
U	Uranium
U234	Uranium 234
U235	Uranium 235
U238	Uranium 238
UDMH	Unsymmetrical dimethyl hydrazine
UNKXXX	Unknown compound, XXX = 001 thru 999.
UREA	Urea / Carbamide / Carbonyl diamide
V	Vanadium

ACCEPTABLE ENTRIES: (Cont.)

VARITY	Various hydrocarbons with increasing M.W.
VFA	Vinyl formate
VM	O-Ethyl-S-(2-diethylaminoethyl) methylphosphonothiolate
VX	O-Ethyl-S-(2-diisopropylaminoethyl) methylphosphonothiolate
W	Tungsten
WP	White phosphorus
XPLOSV	Explosive spray
XYLEN	Xylenes
Y	Yttrium
YB	Ytterbium
YELDY	Yellow dye
YL	Ethyl methylphosphinate
YLQLTR	Co-eluting compounds YL, QL and DEMP (q.v.)
ZINPHS	Zinophos / Thionazin
ZN	Zinc
ZN65	Zinc 65
ZR	Zirconium
ZR95	Zirconium 95

Chemical and Radiological Data:

(Sorted alphabetically by Test Name)

(1-Methylpropyl) benzene	1MPRB
(1',5 trans)-7-Chloro-6-hydroxy-2', 4-dimethoxy-6'-methyl spiro(benzofuran-2-(3H)-1'-(2)-cyclohexene)-3, 4'-dione	SPIRO
(1,1-Dimethylethyl) benzene	11DMEB
(1,3-Dimethylbutyl) benzene	13DMBB
(2-Chloroethoxy) ethene	2CLEVE
(3beta)-Stigmast-5-en-3-ol	3S5E3L
0.1N Hydrochloric acid	01NHCL
1-(2-Butoxyethoxy) ethanol	BEETO
1-(2-Methylcyclohexyl)-3-phenylurea	SIDRN
1-Acetyl-3-methyl-5-pyrazolone	1A3MPZ
1-Acetyl-4-(1-hydroxy-1-methylethyl) benzene	1A4HMB
1-Benzyl-4-hydroxybenzimidazole	1BY4HB
1-Butanol	1C4L
1-Carbamoyl-3,5-dimethyl-2-pyrazoline	1CDMPZ
1-Chloro-2,4-hexadiene	1CL24H
1-Chlorohexane	1CH
1-Chloronaphthalene	1CNAP

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SD20	PB	1.260	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW17	NO	30.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW19	NG	10.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	TF27	PO4	139.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	TF26	N2KJEL	257.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	TT10	CL	18900.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	TT10	SO4	28000.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SB01	HG	0.243	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SD09	TL	6.990	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SD22	AS	2.540	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SD21	SE	3.020	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SD23	AG	0.250	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	111TCE	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	112TCE	1.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	11DCE	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	11DCLE	0.680	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	12DCE	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	12DCLE	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	12DCLP	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	2CLEVE	0.710	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	ACET	13.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	ACROLN	100.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	ACRYLO	100.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	BRDCLM	0.590	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	C13DCP	0.580	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	C2AVE	8.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	C2H3CL	2.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	C2H5CL	1.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	C6H6	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CCL3F	1.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CCL4	0.580	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CH2CL2	2.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CH3BR	5.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CH3CL	3.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CHBR3	2.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CHCL3	1.740		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CL2BZ	10.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CLC6H5	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	CS2	1.130		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	DBRCLM	0.670	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	ETC6H5	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	MEC6H5	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	MEK	6.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	MIBK	3.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	MNBK	3.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	STYR	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	T13DCP	0.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	TCLEA	0.510	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	TCLEE	1.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	TRCLE	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM20	XYLEN	0.840	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	00	TOC	6920.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0		00	PH	8.130		K
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	AL	141.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	BA	97.200		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	BE	5.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	CA	70900.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	CD	4.010	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	CO	25.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	CR	6.020	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	CU	8.090	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	FE	38.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	K	1930.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	MG	24200.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	MN	2.870		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	NA	13500.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	NI	34.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	SB	38.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	V	11.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	SS10	ZN	21.100	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	124TCB	1.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	12DCLB	1.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	12DPH	2.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	13DCLB	1.700	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	14DCLB	1.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	245TCP	5.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	246TCP	4.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	24DCLP	2.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	24DMPN	5.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	24DNP	21.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	24DNT	4.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	26DNT	0.790	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2CLP	0.990	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2CNAP	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2MNAP	1.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2MP	3.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2NANIL	4.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	2NP	3.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	33DCBD	12.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	3NANIL	4.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	46DN2C	17.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4BRPPE	4.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4CANIL	7.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4CL3C	4.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4CLPPE	5.100	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4MP	0.520	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4NANIL	5.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	4NP	12.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ABHC	4.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ACLDAN	5.100	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	AENSLF	9.200	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ALDRN	4.700	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ANAPNE	1.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ANAPYL	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ANTRC	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	B2CEXM	1.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	B2CIPE	5.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	B2CLEE	1.900	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	B2EHP	4.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BAANTR	1.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BAPYR	4.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BBFANT	5.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BBHC	4.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BBZP	3.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BENSLF	9.200	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BENZID	10.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BENZOA	13.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BGHIPY	6.100	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BKFANT	0.870	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	BZALC	0.720	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	CHRY	2.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	CL6BZ	1.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	CL6CP	8.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	CL6ET	1.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DBAHA	6.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DBHC	4.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DBZFUR	1.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DEP	2.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DLDRN	4.700	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DMP	1.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DNBP	3.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	DNOP	15.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ENDRN	7.600	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ENDRNA	8.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ENDRNK	8.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ESFSO4	9.200	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	FANT	3.300	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	FLRENE	3.700	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	GCLDAN	5.100	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	HCBD	3.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	HPCL	2.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	HPCLE	5.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ICDPYR	8.600	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	ISOPHR	4.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	LIN	4.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	MEXCLR	5.100	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	NAP	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	NB	0.500	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	NNDMEA	2.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	NNDNPA	4.400	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	NNDPA	3.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB016	21.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB221	21.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB232	21.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB242	30.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB248	30.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB254	36.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCB260	36.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PCP	18.000	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PHANTR	0.500	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PHENOL	9.200	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PPDDD	4.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PPDDE	4.700	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PPDDT	9.200	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	PYR	2.800	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	TXPHEN	36.000	ND	R
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	UNK610	6.000		S
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	UNK668	5.000		S
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UM18	UNK670	8.000		S
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	H2	PHENLC	7.120	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	00	TOX	97.800		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	TF22	NIT	520.000		
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	135TNB	0.449	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	13DNB	0.611	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	246TNT	0.635	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	24DNT	0.072		C
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	26DNT	0.074	LT	
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	HMX	2.570		C
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	NB	0.645	LT	U
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	RDX	1.170	LT	U
10MW1	RDWA*7	CGW	13-sep-1991	21.0	UGL	UW32	TETRYL	2.490	LT	U
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JD18	AG	44.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JD19	AS	3.480		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SB01	HG	0.243	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	124TCB	0.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	12DCLB	2.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	12DPH	2.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	13DCLB	2.600	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	14DCLB	1.960	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	245TCP	2.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	246TCP	3.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	24DCLP	3.600	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	24DMPN	13.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	24DNP	24.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	24DNT	327.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	26DNT	1.700	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2CLP	1.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2CNAP	0.720	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2MNAP	0.980	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2MP	0.580	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2NANIL	1.240	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	2NP	2.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	33DCBD	126.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	3NANIL	9.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	46DN2C	11.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4BRPPE	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4CANIL	16.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4CL3C	1.900	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4CLPPE	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4MP	4.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4NANIL	8.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	4NP	28.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ABHC	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ACLDAN	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	AENSLF	12.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ALDRN	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ANAPNE	0.720	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ANAPYL	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ANTRC	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	B2CEXM	1.180	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	B2CIPE	4.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	B2CLEE	0.660	LT	

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10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	82EHP	12.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8AANTR	3.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8APYR	5.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8BFANT	4.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8BHC	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8BZP	3.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8ENSLF	12.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8ENZID	18.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8ENZOA	120.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8GHIPY	5.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8KFANT	1.320	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	8ZALC	3.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	C16	5.100		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	CHRY	2.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	CL6BZ	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	CL6CP	124.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	CL6ET	3.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DBAHA	4.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DBHC	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DBZFUR	0.700	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DEP	55.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DLDRN	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DMP	3.400	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DNBP	491.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	DNOP	3.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ENDRN	10.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ENDRNA	10.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ENDRNK	10.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ESFSO4	12.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	FANT	4.140		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	FLRENE	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	GCLDAN	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	HCBD	4.600	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	HPCL	2.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	HPCLE	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ICDPYR	5.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	ISOPHR	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	LIN	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	MEC6H5	25.500		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	MEXCLR	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	NAP	0.740	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	NB	0.900	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	NNDMEA	2.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	NNDNPA	4.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	NNDPA	602.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB016	20.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB221	20.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB232	20.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB242	20.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB248	40.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB254	40.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCB260	60.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PCP	26.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PHANTR	2.630		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PHENOL	2.200	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PPDDD	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PPDDE	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PPDDT	6.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	PYR	0.660	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	TXPHEN	60.000	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK571	10.200		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK572	25.500		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK587	30.600		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK595	5.100		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK598	15.300		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK602	10.200		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK605	35.700		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK606	5.100		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK607	5.100		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK608	10.200		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK609	51.000		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK610	5.100		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK611	10.200		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK612	15.300		S

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10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK615	25.500		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK617	10.200		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM18	UNK643	25.500		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	111TCE	0.022	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	112TCE	0.027	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	11DCE	0.020	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	11DCLE	0.011	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	12DCE	0.015	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	12DCLE	0.008	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	12DCLP	0.015	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	2CLEVE	0.050	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	ACET	0.789		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	ACROLN	0.500	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	ACRYLO	0.500	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	BRDCLM	0.015	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	C13DCP	0.016	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	C2AVE	0.016	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	C2H3CL	0.031	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	C2H5CL	0.060	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	C6H6	0.008	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CCL3F	0.030	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CCL4	0.035	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CH2CL2	0.060	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CH3BR	0.029	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CH3CL	0.044	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CHBR3	0.035	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CHCL3	0.004	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CL2BZ	0.500	ND	R
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CLC6H5	0.004	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	CS2	0.022	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	DBRCLM	0.016	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	DMDS	0.383		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	ETC6H5	0.008	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	MEC6H5	1.000	GT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	MEK	0.350	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	MIBK	0.135	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	MNBK	0.160	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	STYR	0.013	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	T13DCP	0.014	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	TCLEA	0.012	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	TCLEE	0.004	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	TRCLE	0.014	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	UNK073	0.510		S
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LM19	XYLEN	0.008	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SD22	AS	4.050		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SD20	PB	8400.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JB01	HG	0.685		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	246TNT	2.360		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	24DNT	94.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	HMX	1.810		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	RDX	2.450		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	BA	494.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	NI	160.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	AG	34.600		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	BA	175.000		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	CR	85.700		
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	PB	50000.000	GT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SE1	RADS*10	CSE	22-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JD18	AG	0.048		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JD19	AS	5.610		

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10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SB01	HG	0.243	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	124TCB	0.040	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	12DCLB	0.110	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	12DPH	0.140	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	13DCLB	0.130	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	14DCLB	0.098	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	1MNAP	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	245TCP	0.100	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	246TCP	0.170	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	24DCLP	0.180	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	24DMPN	0.690	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	24DNP	1.200	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	24DNT	0.140	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	26DMUD	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	26DNT	0.085	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2CLP	0.060	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2CNAP	0.036	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2MNAP	1.650		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2MP	0.029	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2NANIL	0.062	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2NP	0.140	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	2TMPD	2.280		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	33DCBD	6.300	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	3NANIL	0.450	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	46DN2C	0.550	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4BRPPE	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4CANIL	0.810	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4CL3C	0.095	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4CLPPE	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4MP	0.240	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4NANIL	0.410	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	4NP	1.400	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ABHC	0.270	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ACLDAN	0.330	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	AENSLF	0.620	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ALDRN	0.330	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ANAPNE	0.036	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ANAPYL	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ANTRC	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	B2CEXM	0.059	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	B2CIPE	0.200	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	B2CLEE	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	B2EHP	0.620	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BAANTR	0.170	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BAPYR	0.250	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BBFANT	0.210	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BBHC	0.270	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BBZP	0.170	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BENSLF	0.620	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BENZID	0.850	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BENZOA	6.100	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BGHIPY	0.250	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BKFANT	0.066	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	BZALC	0.190	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	C12	0.910		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	C14	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	C15	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	C17	2.280		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	C20	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	CHRY	0.781		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	CL6BZ	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	CL6CP	6.200	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	CL6ET	0.150	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DBAHA	0.210	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DBHC	0.270	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DBZFUR	0.480		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DEP	0.240	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DLDRN	0.310	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DMP	0.170	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DNBP	0.061	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	DNOP	0.190	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ENDRN	0.450	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNA	0.530	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNK	0.530	ND	R

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ESFSO4	0.620	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	FANT	0.211		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	FLRENE	0.093		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	GCLDAN	0.330	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	HCBD	0.230	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	HPCL	0.130	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	HPCLE	0.330	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ICDPYR	0.290	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ISOPHR	0.033	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	LIN	0.270	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	ME2NAP	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	MEXCLR	0.330	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	NAP	0.888		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	NB	0.045	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	NNDMEA	0.140	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	NNDNPA	0.200	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	NNDPA	0.190	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB016	1.400	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB221	1.400	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB232	1.400	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB242	1.400	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB248	2.000	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB254	2.300	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCB260	2.600	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PCP	1.300	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PHANTR	0.951		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PHENOL	0.110	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PPDDD	0.270	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PPDDE	0.310	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PPDDT	0.310	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	PYR	0.215		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	TCOS	2.280		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	TXPHEN	2.600	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK554	1.020		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK568	2.280		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK580	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK597	0.683		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK605	1.140		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK606	0.683		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK607	0.683		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK615	0.796		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM18	UNK624	2.280		S
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	111TCE	0.004	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	112TCE	0.005	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	11DCE	0.004	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	11DCLE	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	12DCE	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	12DCLE	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	12DCLP	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	2CLEVE	0.010	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	ACET	0.017	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	ACROLN	0.100	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	ACRYLO	0.100	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	BRDCLM	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	C13DCP	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	C2AVE	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	C2H3CL	0.006	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	C2H5CL	0.012	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	C6H6	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CCL3F	0.006	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CCL4	0.007	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CH2CL2	0.012	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CH3BR	0.006	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CH3CL	0.009	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CH8R3	0.007	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CHCL3	0.001	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CL2BZ	0.100	ND	R
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CLC6H5	0.001	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	CS2	0.004	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	DBRCLM	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	ETC6H5	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	MEC6H5	0.001	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	MEK	0.070	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	MIBK	0.027	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	MNBK	0.032	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	STYR	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	T13DCP	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	TCLEA	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	TCLEE	0.001	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	TRCLE	0.003	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LM19	XYLEN	0.002	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SD22	AS	2.540	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SD20	PB	5.310		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JB01	HG	0.058		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	246TNT	0.456	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	24DNT	0.424	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	HMX	0.666	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	RDX	0.587	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	BA	878.000		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	NI	34.300	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	AG	2.500	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	BA	309.000		
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	CR	12.700	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	PB	5000.000	GT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SS1	RADS*9	CSO	21-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JD18	AG	0.025	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JD19	AS	0.831		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SB01	HG	0.243	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	124TCB	0.040	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	12DCLB	0.110	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	12DPH	0.140	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	13DCLB	0.130	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	14DCLB	0.098	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	245TCP	0.100	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	246TCP	0.170	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	24DCLP	0.180	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	24DMPN	0.690	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	24DNP	1.200	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	24DNT	0.140	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	26DNT	0.085	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2CLP	0.060	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2CNAP	0.036	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2MNAP	0.049	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2MP	0.029	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2NANIL	0.062	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	2NP	0.140	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	33DCBD	6.300	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	3NANIL	0.450	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	46DN2C	0.550	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4BRPPE	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4CANIL	0.810	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4CL3C	0.095	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4CLPPE	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4MP	0.240	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4NANIL	0.410	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	4NP	1.400	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ABHC	0.270	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ACLDAN	0.330	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	AENSLF	0.620	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ALDRN	0.330	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ANAPNE	0.036	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ANAPYL	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ANTRC	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	B2CEXM	0.059	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	B2CIPE	0.200	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	B2CLEE	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	B2EHP	0.620	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BAANTR	0.170	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BAPYR	0.250	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BBFANT	0.210	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BBHC	0.270	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BBZP	0.170	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BENSLF	0.620	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BENZID	0.850	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BENZOA	6.100	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BGHIPY	0.250	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BKFANT	0.066	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	BZALC	0.190	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	CHRY	0.120	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	CL6BZ	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	CL6CP	6.200	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	CL6ET	0.150	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DBAHA	0.210	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DBHC	0.270	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DBZFUR	0.035	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DEP	0.240	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DLDRN	0.310	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DMP	0.170	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DNBP	0.061	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	DNOP	0.190	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ENDRN	0.450	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNA	0.530	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNK	0.530	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ESFSO4	0.620	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	FANT	0.068	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	FLRENE	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	GCLDAN	0.330	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	HCBD	0.230	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	HPCL	0.130	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	HPCLE	0.330	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ICDPYR	0.290	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	ISOPHR	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	LIN	0.270	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	MEXCLR	0.330	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	NAP	0.037	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	NB	0.045	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	NNDMEA	0.140	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	NNDNPA	0.200	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	NNDPA	0.190	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB016	1.400	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB221	1.400	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB232	1.400	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB242	1.400	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB248	2.000	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB254	2.300	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCB260	2.600	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PCP	1.300	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PHANTR	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PHENOL	0.110	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PPDDD	0.270	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PPDDE	0.310	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PPDDT	0.310	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	PYR	0.033	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM18	TXPHEN	2.600	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	111TCE	0.004	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	112TCE	0.005	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	11DCE	0.004	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	11DCLE	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	12DCE	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	12DCLE	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	12DCLP	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	2CLEVE	0.010	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	ACET	0.017	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	ACROLN	0.100	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	ACRYLO	0.100	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	BRDCLM	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	C13DCP	0.003	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	C2AVE	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	C2H3CL	0.006	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	C2H5CL	0.012	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	C6H6	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CCL3F	0.006	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CCL4	0.007	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CH2CL2	0.012	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CH3BR	0.006	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CH3CL	0.009	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CHBR3	0.007	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CHCL3	0.001	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CL2BZ	0.100	ND	R
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CLC6H5	0.001	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	CS2	0.004	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	DBRCLM	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	ETC6H5	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	MEC6H5	0.001	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	MEK	0.070	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	MIBK	0.027	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	MNBK	0.032	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	STYR	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	T13DCP	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	TCLEA	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	TCLEE	0.001	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	TRCLE	0.003	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LM19	XYLEN	0.002	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SD22	AS	2.540	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SD20	PB	5.100		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JB01	HG	0.050	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	246TNT	0.456	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	24DNT	0.424	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	HMX	0.666	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	RDX	0.587	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	BA	1220.000		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	NI	34.300	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	AG	2.500	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	BA	360.000		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	CR	23.900		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	PB	9.070		
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SS2	RADS*8	CSO	21-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JD18	AG	0.025	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JD19	AS	1.860		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SB01	HG	0.243	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	124TCB	0.040	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	12DCLB	0.110	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	12DPH	0.140	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	13DCLB	0.130	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	14DCLB	0.098	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	245TCP	0.100	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	246TCP	0.170	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	24DCLP	0.180	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	24DMPN	0.690	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	24DNP	1.200	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	24DNT	0.140	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	26DNT	0.085	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2CLP	0.060	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2CNAP	0.036	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2MNAP	0.049	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2MP	0.029	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2NANIL	0.062	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	2NP	0.140	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	33DCBD	6.300	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	3NANIL	0.450	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	46DN2C	0.550	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4BRPPE	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4CANIL	0.810	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4CL3C	0.095	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4CLPPE	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4MP	0.240	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4NANIL	0.410	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	4NP	1.400	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ABHC	0.270	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ACLDAN	0.330	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	AENSLF	0.620	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ALDRN	0.330	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ANAPNE	0.036	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ANAPYL	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ANTRC	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	B2CEXM	0.059	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	B2CIPE	0.200	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	B2CLEE	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	B2EHP	0.620	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BAANTR	0.170	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BAPYR	0.250	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BBFANT	0.210	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BBHC	0.270	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BBZP	0.170	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BENSLF	0.620	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BENZID	0.850	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BENZOA	6.100	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BGHIPY	0.250	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BKFANT	0.066	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	BZALC	0.190	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	CHRY	0.120	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	CL6BZ	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	CL6CP	6.200	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	CL6ET	0.150	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DBAHA	0.210	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DBHC	0.270	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DBZFUR	0.035	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DEP	0.240	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DLDRN	0.310	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DMP	0.170	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DNBP	0.061	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	DNOP	0.190	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ENDRN	0.450	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNA	0.530	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNK	0.530	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ESFSO4	0.620	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	FANT	0.068	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	FLRENE	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	GCLDAN	0.330	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	HCBD	0.230	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	HPCL	0.130	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	HPCLE	0.330	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ICDPYR	0.290	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	ISOPHR	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	LIN	0.270	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	MEXCLR	0.330	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	NAP	0.037	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	NB	0.045	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	NNDMEA	0.140	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	NNDNPA	0.200	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	NNDPA	0.190	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB016	1.400	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB221	1.400	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB232	1.400	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB242	1.400	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB248	2.000	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB254	2.300	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCB260	2.600	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PCP	1.300	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PHANTR	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PHENOL	0.110	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PPDDD	0.270	ND	R

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10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PPODE	0.310	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PPODT	0.310	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	PYR	0.033	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM18	TXPHEN	2.600	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	111TCE	0.004	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	112TCE	0.005	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	11DCE	0.004	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	11DCLE	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	12DCE	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	12DCLE	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	12DCLP	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	2CLEVE	0.010	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	ACET	0.017	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	ACROLN	0.100	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	ACRYLO	0.100	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	BRDCLM	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	C13DCP	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	C2AVE	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	C2H3CL	0.006	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	C2H5CL	0.012	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	C6H6	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CCL3F	0.006	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CCL4	0.007	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CH2CL2	0.012	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CH3BR	0.006	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CH3CL	0.009	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CHBR3	0.007	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CHCL3	0.001	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CL2BZ	0.100	ND	R
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CLC6H5	0.001	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	CS2	0.004	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	DBRCLM	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	ETC6H5	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	MEC6H5	0.001	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	MEK	0.070	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	MIBK	0.027	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	MNBK	0.032	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	STYR	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	T13DCP	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	TCLEA	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	TCLEE	0.001	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	TRCLE	0.003	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LM19	XYLEN	0.002	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SD22	AS	2.540	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SD20	PB	3.800		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JB01	HG	0.050	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	246TNT	0.456	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	24DNT	0.424	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	HMX	0.666	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	RDX	0.587	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	BA	337.000		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	NI	34.300	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	AG	2.500	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	BA	199.000		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	CR	26.200		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	PB	9.020		
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SS3	RADS*7	CSO	21-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JD18	AG	0.025	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JD19	AS	3.690		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SB01	HG	0.243	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	124TCB	0.040	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	12DCLB	0.110	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	12DPH	0.140	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	13DCLB	0.130	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	14DCLB	0.098	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	245TCP	0.100	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	246TCP	0.170	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	24DCLP	0.180	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	24DMPN	0.690	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	24DNP	1.200	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	24DNT	0.140	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	26DNT	0.085	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2CLP	0.060	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2CNAP	0.036	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2MNAP	0.049	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2MP	0.029	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2NANIL	0.062	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	2NP	0.140	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	33DCBD	6.300	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	3NANIL	0.450	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	46DN2C	0.550	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4BRPPE	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4CANIL	0.810	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4CL3C	0.095	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4CLPPE	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4MP	0.240	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4NANIL	0.410	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	4NP	1.400	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ABHC	0.270	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ACLDAN	0.330	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	AENSLF	0.620	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ALDRN	0.330	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ANAPNE	0.036	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ANAPYL	0.168		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ANTRC	0.052		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	B2CEXM	0.059	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	B2CIPE	0.200	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	B2CLEE	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	B2EHP	0.620	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BAANTR	0.170	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BAPYR	0.250	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BBFANT	0.210	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BBHC	0.270	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BBZP	0.170	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BENSLF	0.620	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BENZID	0.850	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BGHIPY	0.250	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BKFANT	0.083		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	BZALC	0.190	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	CHRY	0.120	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	CL6BZ	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	CL6CP	6.200	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	CL6ET	0.150	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DBAHA	0.210	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DBHC	0.270	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DBZFUR	0.035	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DEP	0.240	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DLDRN	0.310	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DMP	0.170	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DNBP	0.098		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	DNOP	0.190	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ENDRN	0.450	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNA	0.530	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNK	0.530	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ESFSO4	0.620	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	FANT	0.158		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	FLRENE	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	GCLDAN	0.330	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	HCBD	0.230	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	HPCL	0.130	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	HPCLE	0.330	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ICDPYR	0.290	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	ISOPHR	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	LIN	0.270	ND	R

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	MEXCLR	0.330	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	NAP	0.037	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	NB	0.045	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	NNDMEA	0.140	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	NNDNPA	0.200	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	NNDPA	0.190	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB016	1.400	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB221	1.400	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB232	1.400	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB242	1.400	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB248	2.000	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB254	2.300	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCB260	2.600	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PCP	1.300	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PHANTR	0.047		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PHENOL	0.110	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PPDDD	0.270	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PPDDE	0.310	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PPDDT	0.310	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	PYR	0.033	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM18	TXPHEN	2.600	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	111TCE	0.004	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	112TCE	0.005	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	11DCE	0.004	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	11DCLE	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	12DCE	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	12DCLE	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	12DCLP	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	2CLEVE	0.010	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	ACET	0.017	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	ACROLN	0.100	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	ACRYLO	0.100	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	BRDCLM	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	C13DCP	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	C2AVE	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	C2H3CL	0.006	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	C2H5CL	0.012	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	C6H6	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CCL3F	0.006	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CCL4	0.007	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CH2CL2	0.012	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CH3BR	0.006	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CH3CL	0.009	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CHBR3	0.007	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CHCL3	0.001	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CL2BZ	0.100	ND	R
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CLC6H5	0.001	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	CS2	0.004	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	DBRCLM	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	ETC6H5	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	MEC6H5	0.001	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	MEK	0.070	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	MIBK	0.027	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	MNBK	0.032	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	STYR	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	T13DCP	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	TCLEA	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	TCLEE	0.001	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	TRCLE	0.003	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LM19	XYLEN	0.002	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SD22	AS	2.540	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SD20	PB	13.200		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JB01	HG	0.050	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	246TNT	0.456	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	24DNT	0.424	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	HMX	0.666	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	RDX	0.587	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	BA	532.000		

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10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	NI	34.300	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	AG	2.500	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	BA	125.000		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	CR	44.400		
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	PB	5000.000	GT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SS4	RADS*1	CSO	21-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JD18	AG	0.033		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JD19	AS	2.190		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SB01	HG	0.243	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	124TCB	0.040	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	12DCLB	0.110	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	12DPH	0.140	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	13DCLB	0.130	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	14DCLB	0.098	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	245TCP	0.100	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	246TCP	0.170	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	24DCLP	0.180	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	24DMPN	0.690	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	24DNP	1.200	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	24DNT	0.342		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	26DNT	0.085	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2CLP	0.060	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2CNAP	0.036	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2MNAP	0.049	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2MP	0.029	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2NANIL	0.062	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	2NP	0.140	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	33DCBD	6.300	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	3NANIL	0.450	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	46DN2C	0.550	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4BRPPE	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4CANIL	0.810	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4CL3C	0.095	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4CLPPE	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4MP	0.240	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4NANIL	0.410	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	4NP	1.400	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ABHC	0.270	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ACLDAN	0.330	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	AENSLF	0.620	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ALDRN	0.330	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ANAPNE	0.036	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ANAPYL	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ANTRC	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	B2CEXM	0.059	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	B2CIPE	0.200	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	B2CLEE	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	B2EHP	0.620	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BAANTR	0.170	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BAPYR	0.250	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BBFANT	0.210	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BBHC	0.270	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BBZP	0.170	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BENSLF	0.620	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BENZID	0.850	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BGHIPY	0.250	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BKFANT	0.066	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	BZALC	0.190	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	CHRY	0.210		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	CL6BZ	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	CL6CP	6.200	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	CL6ET	0.150	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DBAHA	0.210	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DBHC	0.270	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DBZFUR	0.035	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DEP	0.240	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DLDRN	0.310	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DMP	0.170	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DNBP	1.340		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	DNOP	0.190	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ENDRN	0.450	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNA	0.530	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ENDRNK	0.530	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ESFSO4	0.620	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	FANT	0.225		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	FLRENE	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	GCLDAN	0.330	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	HCBD	0.230	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	HPCL	0.130	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	HPCLE	0.330	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ICDPYR	0.290	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	ISOPHR	0.033	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	LIN	0.270	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	MEC6H5	0.114		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	MEXCLR	0.330	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	NAP	0.037	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	NB	0.045	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	NNDMEA	0.140	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	NNDNPA	0.200	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	NNDPA	0.190	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB016	1.400	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB221	1.400	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB232	1.400	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB242	1.400	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB248	2.000	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB254	2.300	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCB260	2.600	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PCP	1.300	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PHANTR	0.094		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PHENOL	0.110	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PPDDD	0.270	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PPDDE	0.310	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PPDDT	0.310	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	PYR	0.162		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	TXPHEN	2.600	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK608	0.114		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK629	0.114		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK641	0.229		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK649	0.571		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK653	0.686		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM18	UNK671	0.343		S
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JD15	SE	0.250	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	111TCE	0.004	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	112TCE	0.005	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	11DCE	0.004	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	11DCLE	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	12DCE	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	12DCLE	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	12DCLP	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	2CLEVE	0.010	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	ACET	0.017	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	ACROLN	0.100	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	ACRYLO	0.100	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	BRDCLM	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	C13DCP	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	C2AVE	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	C2H3CL	0.006	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	C2H5CL	0.012	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	C6H6	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CCL3F	0.006	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CCL4	0.007	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CH2CL2	0.012	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CH3BR	0.006	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CH3CL	0.009	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CHBR3	0.007	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CHCL3	0.001	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CL2BZ	0.100	ND	R
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CLC6H5	0.001	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	CS2	0.004	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	DBRCLM	0.003	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	ETC6H5	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	MEC6H5	0.001	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	MEK	0.070	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	MIBK	0.027	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	MNBK	0.032	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	STYR	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	T13DCP	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	TCLEA	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	TCLEE	0.001	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	TRCLE	0.003	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LM19	XYLEN	0.002	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SD22	AS	2.540	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SD21	SE	3.020	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SD09	TL	6.990	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SD20	PB	6.290		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JB01	HG	0.050	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	246TNT	0.456	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	24DNT	0.985		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	26DNT	0.524	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	HMX	0.666	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	RDX	0.587	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	LW12	TETRYL	0.731	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	AG	4.600	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	BA	981.000		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	BE	5.000	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	CD	4.010	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	CR	6.020	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	NI	34.300	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGL	SS10	SB	38.000	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	AG	2.500	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	BA	254.000		
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	BE	1.860	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	CD	3.050	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	CR	12.700	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	NI	12.600	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	PB	5000.000	GT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	SB	3.800	LT	
10SS5	RADS*2	CSO	21-aug-1990	0.5	UGG	JS11	TL	31.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SB01	HG	0.243	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	111TCE	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	112TCE	1.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	11DCE	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	11DCLE	0.680	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	12DCE	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	12DCLE	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	12DCLP	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	2CLEVE	100.000	LT	G
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	ACET	13.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	ACROLN	100.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	ACRYLO	100.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	BRDCLM	0.590	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	C13DCP	0.580	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	C2AVE	8.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	C2H3CL	2.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	C2H5CL	1.900	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	C6H6	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CCL3F	1.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CCL4	0.580	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CH2CL2	2.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CH3BR	5.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CH3CL	3.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CHBR3	2.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CHCL3	6.360		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CL2BZ	10.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CLC6H5	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	CS2	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	DBRCLM	0.670	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	ETC6H5	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	MEC6H5	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	MEK	6.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	MIBK	3.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	MNBK	3.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	STYR	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	T13DCP	0.700	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	TCLEA	0.510	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	TCLEE	1.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	TRCLE	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	XYLEN	0.840	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	124TCB	1.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	12DCLB	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	12DPH	2.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	13DCLB	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	14DCLB	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	245TCP	5.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	246TCP	4.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	24DCLP	2.900	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	24DMPN	5.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	24DNP	21.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	24DNT	4.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	26DNT	0.790	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2CLP	0.990	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2CNAP	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2MNAP	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2MP	3.900	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2NANIL	7.100		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	2NP	3.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	33DCBD	12.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	3NANIL	4.900	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	46DN2C	17.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4BRPPE	4.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4CANIL	7.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4CL3C	4.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4CLPPE	5.100	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4MP	0.520	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4NANIL	5.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	4NP	12.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ABHC	4.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ACLDAN	5.100	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	AENSLF	9.200	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ALDRN	4.700	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ANAPNE	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ANAPYL	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ANTRC	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	B2CEXM	1.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	B2CIPE	5.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	B2CLEE	1.900	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	B2EHP	4.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BAANTR	1.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BAPYR	4.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BBFANT	5.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BBHC	4.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BBZP	3.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BENSLF	9.200	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BENZID	10.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BENZOA	13.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BGHIPY	6.100	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BKFANT	0.870	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	BZALC	0.720	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	CHRY	2.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	CL6BZ	1.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	CL6CP	8.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	CL6ET	1.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DBAHA	6.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DBHC	4.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DBZFUR	1.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DEP	2.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DLDRN	4.700	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DMP	1.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DNBP	3.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	DNOP	15.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ENDRN	7.600	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ENDRNA	8.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ENDRNK	8.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ESFSO4	9.200	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	FANT	3.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	FLRENE	3.700	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	GCLDAN	5.100	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	HCBD	3.400	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	HPCL	2.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	HPCLE	5.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ICDPYR	8.600	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	ISOPHR	4.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	LIN	4.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	MEXCLR	5.100	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	NAP	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	NB	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	NNDMEA	2.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	NNDNPA	4.400	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	NNDPA	51.300		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB016	21.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB221	21.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB232	21.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB242	30.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB248	30.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB254	36.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCB260	36.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PCP	18.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PHANTR	0.500	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PHENOL	9.200	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PPDDD	4.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PPDDE	4.700	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PPDDT	9.200	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	PYR	2.800	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	TXPHEN	36.000	ND	R
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK521	10.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK537	20.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK544	6.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK559	30.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK574	100.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK575	6.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK586	400.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK605	5.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK611	70.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM18	UNK622	5.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SD22	AS	2.540	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SD21	SE	3.020	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SD09	TL	6.990	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SD20	PB	250.000		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UM20	UNK035	4000.000		S
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	AG	4.970		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	BA	210.000		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	BE	5.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	CD	4.010	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	CR	6.220		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	NI	34.300	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	SS10	SB	38.000	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	246TNT	0.588	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	24DNT	1700.000		
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	26DNT	1.150	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	HMX	2.980		C
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	RDX	2.110	LT	
10SW1	RADW*5	CSW	22-aug-1990	0.0	UGL	UW14	TETRYL	0.556	LT	

35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JD18	AG	29.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JD19	AS	3.620		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SB01	HG	0.243	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	124TCB	0.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	12DCLB	2.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	12DPH	2.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	13DCLB	2.600	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	14DCLB	1.960	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	245TCP	2.000	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	246TCP	3.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	24DCLP	3.600	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	24DMPN	13.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	24DNP	24.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	24DNT	2.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	26DNT	1.700	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2CLP	1.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2CNAP	0.720	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2MNAP	0.980	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2MP	0.580	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2NANIL	1.240	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	2NP	2.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	33DCBD	126.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	3NANIL	9.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	46DN2C	11.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4BRPPE	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4CANIL	16.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4CL3C	1.900	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4CLPPE	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4MP	4.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4NANIL	8.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	4NP	28.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ABHC	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ACLDAN	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	AENSLF	12.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ALDRN	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ANAPNE	0.720	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ANAPYL	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ANTRC	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	B2CEXM	1.180	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	B2CIPE	4.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	B2CLEE	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	B2EHP	12.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BAANTR	3.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BAPYR	5.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BBFANT	4.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BBHC	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BBZP	3.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BENSLF	12.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BENZID	18.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BENZOA	120.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BGHIPY	5.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BKFANT	1.320	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	BZALC	3.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	CHRY	2.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	CL6BZ	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	CL6CP	124.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	CL6ET	3.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DBAHA	4.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DBHC	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DBZFUR	0.700	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DEP	4.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DLDRN	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DMP	3.400	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DNBP	18.100		-
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	DNOP	3.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ENDRN	10.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ENDRNA	10.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ENDRNK	10.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ESFSO4	12.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	FANT	1.360	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	FLRENE	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	GCLDAN	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	HCBD	4.600	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	HPCL	2.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	HPCLE	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ICDPYR	5.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	ISOPHR	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	LIN	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	MEXCLR	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	NAP	0.740	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	NB	0.900	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	NNDMEA	2.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	NNDNPA	4.000	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	NNDPA	40.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB016	20.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB221	20.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB232	20.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB242	20.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB248	40.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB254	40.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCB260	60.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PCP	26.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PHANTR	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PHENOL	2.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PPDDD	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PPDDE	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PPDDT	6.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	PYR	0.660	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	TXPHEN	60.000	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM18	UNK615	21.200		S
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JD15	SE	0.250	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	111TCE	0.004	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	112TCE	0.005	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	11DCE	0.004	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	11DCLE	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	12DCE	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	12DCLE	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	12DCLP	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	2CLEVE	0.010	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	ACET	0.100	GT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	ACROLN	0.100	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	ACRYLO	0.100	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	BRDCLM	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	C13DCP	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	C2AVE	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	C2H3CL	0.006	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	C2H5CL	0.012	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	C6H6	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CCL3F	0.006	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CCL4	0.007	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CH2CL2	0.012	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CH3BR	0.006	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CH3CL	0.009	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CHBR3	0.007	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CHCL3	0.001	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CL2BZ	0.100	ND	R
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CLC6H5	0.001	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	CS2	0.004	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	DBRCLM	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	ETC6H5	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	MEC6H5	0.004		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	MEK	0.070	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	MIBK	0.027	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	MNBK	0.032	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	STYR	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	T13DCP	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	TCLEA	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	TCLEE	0.001	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	TRCLE	0.003	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LM19	XYLEN	0.002	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SD22	AS	2.540	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SD21	SE	3.020	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SD09	TL	6.990	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SD20	PB	1800.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JB01	HG	0.347		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	246TNT	4.600	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	24DNT	11.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	26DNT	5.200	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	HMX	6.700	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	RDX	5.900	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	LW12	TETRYL	7.300	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	AG	4.600	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	BA	586.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	BE	5.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	CD	7.910		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	CR	27.900		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	NI	121.000		

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35SE1	RADS*3	CSE	21-aug-1990	4.0	UGL	SS10	SB	38.000	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	AG	45.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	BA	174.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	BE	1.860	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	CD	3.050	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	CR	124.000		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	NI	52.200		
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	PB	50000.000	GT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	SB	3.800	LT	
35SE1	RADS*3	CSE	21-aug-1990	4.0	UGG	JS11	TL	31.300	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JD18	AG	1.570		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JD19	AS	5.760		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SB01	HG	0.243	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	124TCB	0.040	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	12DCLB	0.110	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	12DPH	0.140	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	13DCLB	0.130	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	14DCLB	0.098	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	245TCP	0.100	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	246TCP	0.170	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	24DCLP	0.180	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	24DMPN	0.690	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	24DNP	1.200	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	24DNT	0.140	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	26DNT	0.085	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2CLP	0.060	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2CNAP	0.036	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2MNAP	0.049	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2MP	0.029	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2NANIL	0.062	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	2NP	0.140	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	33DCBD	6.300	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	3NANIL	0.450	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	46DN2C	0.550	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4BRPPE	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4CANIL	0.810	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4CL3C	0.095	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4CLPPE	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4MP	0.240	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4NANIL	0.410*p1914XLT		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	4NP	1.400	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ABHC	0.270	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ACLDAN	0.330	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	AENSLF	0.620	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ALDRN	0.330	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ANAPNE	0.036	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ANAPYL	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ANTRC	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	B2CEXM	0.059	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	B2CIPE	0.200	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	B2CLEE	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	B2EHP	0.620	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BAANTR	0.170	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BAPYR	0.250	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BBFANT	0.210	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BBHC	0.270	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BBZP	0.170	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BENSLF	0.620	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BENZID	0.850	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BENZOA	6.100	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BGHIPY	0.250	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BKFANT	0.066	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	BZALC	0.190	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	C17	0.418		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	CHRY	0.120	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	CL6BZ	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	CL6CP	6.200	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	CL6ET	0.150	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DBAHA	0.210	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DBHC	0.270	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DBZFUR	0.035	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DEP	0.240	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DLDRN	0.310	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DMP	0.170	LT	

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35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DNBP	0.470		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	DNOP	0.190	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ENDRN	0.450	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ENDRNA	0.530	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ENDRNK	0.530	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ESFSO4	0.620	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	FANT	0.068	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	FLRENE	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	GCLDAN	0.330	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	HCBD	0.230	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	HPCL	0.130	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	HPCLE	0.330	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ICDPYR	0.290	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	ISOPHR	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	LIN	0.270	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	MEC6H5	0.209		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	MEXCLR	0.330	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	NAP	0.037	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	NB	0.045	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	NNDMEA	0.140	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	NNDNPA	0.200	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	NNDPA	1.230		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB016	1.400	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB221	1.400	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB232	1.400	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB242	1.400	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB248	2.000	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB254	2.300	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCB260	2.600	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PCP	1.300	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PHANTR	0.130		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PHENOL	0.110	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PPDDD	0.270	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PPDDE	0.310	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PPDDT	0.310	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	PYR	0.033	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	TXPHEN	2.600	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	UNK518	1.460		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	UNK546	0.209		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	UNK555	0.209		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	UNK602	0.209		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM18	UNK605	0.209		S
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JD15	SE	0.250	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	111TCE	0.004	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	112TCE	0.005	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	11DCE	0.004	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	11DCLE	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	12DCE	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	12DCLE	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	12DCLP	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	2CLEVE	0.010	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	ACET	0.017	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	ACROLN	0.100	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	ACRYLO	0.100	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	BRDCLM	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	C13DCP	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	C2AVE	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	C2H3CL	0.006	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	C2H5CL	0.012	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	C6H6	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CCL3F	0.006	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CCL4	0.007	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CH2CL2	0.012	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CH3BR	0.006	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CH3CL	0.009	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CHBR3	0.007	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CHCL3	0.001	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CL2BZ	0.100	ND	R
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CLC6H5	0.001	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	CS2	0.004	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	DBRCLM	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	ETC6H5	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	MEC6H5	0.014		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	MEK	0.070	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	MIBK	0.027	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	MNBK	0.032	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	STYR	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	T13DCP	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	TCLEA	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	TCLEE	0.001	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	TRCLE	0.003	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LM19	XYLEN	0.002	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SD22	AS	2.540	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SD21	SE	3.020	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SD09	TL	6.990	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SD20	PB	99.800		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JB01	HG	0.472		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	246TNT	5.900	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	24DNT	5.500	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	26DNT	6.800	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	HMX	8.700	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	RDX	7.600	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	LW12	TETRYL	9.500	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	AG	4.600	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	BA	255.000		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	BE	5.000	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	CD	4.010	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	CR	6.020	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	NI	56.600		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGL	SS10	SB	38.000	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	AG	2.500	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	BA	304.000		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	BE	1.860	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	CD	3.050	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	CR	122.000		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	NI	80.400		
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	PB	5000.000	GT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	SB	3.800	LT	
35SE2	RADS*5	CSE	21-aug-1990	4.0	UGG	JS11	TL	31.300	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	124TCB	0.200	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	12DCLB	0.550	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	12DPH	0.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	13DCLB	0.650	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	14DCLB	0.490	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	245TCP	0.500	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	246TCP	0.850	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	24DCLP	0.900	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	24DMPN	3.450	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	24DNP	6.000	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	24DNT	0.700	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	26DNT	0.425	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2CLP	0.300	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2CNAP	0.180	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2MNAP	0.245	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2MP	0.145	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2NANIL	0.310	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	2NP	0.700	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	33DCBD	31.500	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	3NANIL	2.250	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	46DN2C	2.750	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4BRPPE	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4CANIL	4.050	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4CL3C	0.475	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4CLPPE	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4MP	1.200	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4NANIL	2.050	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	4NP	7.000	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ABHC	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ACLDAN	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	AENSLF	3.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ALDRN	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ANAPNE	0.180	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ANAPYL	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ANTRC	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	B2CEXM	0.295	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	B2CIPE	1.000	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	B2CLEE	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	B2EHP	3.100	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BAANTR	0.850	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BAPYR	1.250	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BBFANT	1.050	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BBHC	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BBZP	0.850	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BENSLF	3.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BENZID	4.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BENZOA	30.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BGHIPY	1.250	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BKFANT	0.330	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	BZALC	0.950	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	CHRY	0.600	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	CL6BZ	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	CL6CP	31.000	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	CL6ET	0.750	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DBAHA	1.050	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DBHC	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DBZFUR	0.175	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DEP	1.200	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DLDRN	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DMP	0.850	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DNBP	1.370		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	DNOP	0.950	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ENDRN	2.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ENDRNA	2.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ENDRNK	.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ESFSO4	3.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	FANT	0.340	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	FLRENE	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	GCLDAN	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	HCBD	1.150	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	HPCL	0.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	HPCLE	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ICDPYR	1.450	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	ISOPHR	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	LIN	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	MEXCLR	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	NAP	0.185	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	NB	0.225	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	NNDMEA	0.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	NNDNPA	1.000	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	NNDPA	4.550		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB016	5.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB221	5.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB232	5.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB242	5.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB248	10.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB254	10.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCB260	15.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PCP	6.500	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PHANTR	0.531		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PHENOL	0.550	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PPDDD	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PPDDE	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PPDDT	1.500	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	PYR	0.165	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	TXPHEN	15.000	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	UNK583	5.140		S
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM18	UNK641	771.000		S
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	111TCE	0.004	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	112TCE	0.005	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	11DCE	0.004	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	11DCLE	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	12DCE	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	12DCLE	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	12DCLP	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	2CLEVE	0.010	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	ACET	0.017	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	ACROLN	0.100	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	ACRYLO	0.100	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	BRDCLM	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	C13DCP	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	C2AVE	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	C2H3CL	0.006	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	C2H5CL	0.012	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	C6H6	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CCL3F	0.006	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CCL4	0.007	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CH2CL2	0.012	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CH3BR	0.006	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CH3CL	0.009	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CHBR3	0.007	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CHCL3	0.001	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CL2BZ	0.100	ND	R
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CLC6H5	0.001	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	CS2	0.004	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	DBRCLM	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	ETC6H5	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	MEC6H5	0.001	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	MEK	0.070	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	MIBK	0.027	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	MNBK	0.032	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	STYR	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	T13DCP	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	TCLEA	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	TCLEE	0.001	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	TRCLE	0.003	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGG	LM19	XYLEN	0.002	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SB01	HG	0.243	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SD22	AS	2.540	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SS10	AG	12.900		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SS10	BA	266.000		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SS10	CD	4.120		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SS10	CR	6.020	LT	
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SS10	PB	42.800		
35SL1	RVFS*36	CSE	15-jan-1992	5.0	UGL	SD21	SE	3.020	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JD18	AG	0.040		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JD19	AS	1.230		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SB01	HG	0.243	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	124TCB	0.040	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	12DCLB	0.110	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	12DPH	0.140	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	13DCLB	0.130	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	14DCLB	0.098	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	245TCP	0.100	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	246TCP	0.170	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	24DCLP	0.180	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	24DMPN	0.690	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	24DNP	1.200	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	24DNT	0.140	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	26DNT	0.085	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2CLP	0.060	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2CNAP	0.036	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2MNAP	0.049	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2MP	0.029	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2NANIL	0.062	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	2NP	0.140	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	33DCBD	6.300	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	3NANIL	0.450	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	46DN2C	0.550	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4BRPPE	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4CANIL	0.810	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4CL3C	0.095	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4CLPPE	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4MP	0.240	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4NANIL	0.410	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	4NP	1.400	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ABHC	0.270	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ACLDAN	0.330	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	AENSLF	0.620	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ALDRN	0.330	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ANAPNE	0.036	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ANAPYL	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ANTRC	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	B2CEXM	0.059	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	B2CIPE	0.200	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	B2CLEE	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	B2EHP	0.620	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BAANTR	0.170	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BAPYR	0.250	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BBFANT	0.210	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BBHC	0.270	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BBZP	0.170	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BENSLF	0.620	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BENZID	0.850	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BGHIPY	0.250	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BKFANT	0.066	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	BZALC	0.190	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	CHRY	0.120	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	CL6BZ	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	CL6CP	6.200	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	CL6ET	0.150	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DBAHA	0.210	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DBHC	0.270	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DBZFUR	0.035	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DEP	0.240	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DLDRN	0.310	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DMP	0.170	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DNBP	0.061	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	DNOP	0.190	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ENDRN	0.450	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ENDRNA	0.530	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ENDRNK	0.530	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ESFSO4	0.620	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	FANT	0.068	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	FLRENE	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	GCLDAN	0.330	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	HCBD	0.230	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	HPCL	0.130	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	HPCLE	0.330	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ICDPYR	0.290	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	ISOPHR	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	LIN	0.270	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	MEXCLR	0.330	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	NAP	0.037	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	NB	0.045	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	NNDMEA	0.140	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	NNDNPA	0.200	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	NNDPA	0.190	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB016	1.400	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB221	1.400	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB232	1.400	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB242	1.400	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB248	2.000	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB254	2.300	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCB260	2.600	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PCP	1.300	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PHANTR	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PHENOL	0.110	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PPDDD	0.270	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PPDDE	0.310	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PPDDT	0.310	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	PYR	0.033	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM18	TXPHEN	2.600	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JD15	SE	0.250	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	111TCE	0.004	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	112TCE	0.005	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	11DCE	0.004	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	11DCLE	0.002	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	12DCE	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	12DCLE	0.002	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	12DCLP	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	2CLEVE	0.010	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	ACET	0.017	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	ACROLN	0.100	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	ACRYLO	0.100	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	BRDCLM	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	C13DCP	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	C2AVE	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	C2H3CL	0.006	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	C2H5CL	0.012	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	C6H6	0.002	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CCL3F	0.006	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CCL4	0.007	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CH2CL2	0.012	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CH3BR	0.006	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CH3CL	0.009	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CHBR3	0.007	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CHCL3	0.001	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CL2BZ	0.100	ND	R
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CLC6H5	0.001	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	CS2	0.004	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	DBRCLM	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	ETC6H5	0.002	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	MEC6H5	0.001		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	MEK	0.070	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	MIBK	0.027	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	MNBK	0.032	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	STYR	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	T13DCP	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	TCLEA	0.002	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	TCLEE	0.001	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	TRCLE	0.003	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	UNK074	0.036		S2094X
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LM19	XYLEN	0.002	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SD22	AS	2.540	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SD21	SE	3.020	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SD09	TL	6.990	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SD20	PB	6.940		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JB01	HG	0.050	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	246TNT	0.456	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	24DNT	0.424	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	26DNT	0.524	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	HMX	0.666	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	RDX	0.587	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	LW12	TETRYL	0.731	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	AG	4.600	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	BA	238.000		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	BE	5.000	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	CD	4.010	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	CR	6.020	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	NI	34.300	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGL	SS10	SB	38.000	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	AG	2.500	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	BA	184.000		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	BE	1.860	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	CD	3.050	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	CR	28.500		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	NI	12.600	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	PB	11.400		
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	SB	3.800	LT	
35SS2	RADS*6	CSO	21-aug-1990	6.0	UGG	JS11	TL	31.300	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JD19	AS	5.380		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.050		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	AL	19100.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	BA	56.500		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.922		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	CA	6270.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	CO	22.100		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	CR	32.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	CU	22.600		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	FE	28600.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	K	3160.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	MG	16200.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	MN	400.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	NA	211.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	NI	27.400		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	PB	255.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	V	55.700		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JS16	ZN	345.000		
BKSS1	RVFS*88	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JD19	AS	4.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.020		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	AL	10500.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	BA	147.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.802		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	CA	7430.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	CO	13.600		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	CR	21.300		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	CU	18.800		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	FE	25900.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	K	1690.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	MG	5760.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	MN	927.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	NA	239.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	NI	18.500		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	PB	68.100		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	V	28.900		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JS16	ZN	283.000		
BKSS10	RVFS*66	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JD19	AS	5.980		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.540		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	AL	12200.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	BA	152.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.500	LT	
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	CA	27100.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	CD	1.070		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	CO	11.500		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	CR	20.700		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	CU	15.400		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	FE	40800.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	K	1430.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	MG	9780.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	MN	1950.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	NA	382.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	NI	18.400		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	PB	264.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	V	32.300		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JS16	ZN	840.000		
BKSS2	RVFS*52	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JD19	AS	6.420		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.030		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	AL	9710.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	BA	74.200		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.799		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	CA	19600.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	CO	19.700		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	CR	39.800		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	CU	23.400		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	FE	31300.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	K	1520.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	MG	11200.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	MN	436.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	NA	246.000		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	NI	24.500		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	PB	80.800		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	V	60.400		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JS16	ZN	58.300		
BKSS3	RVFS*49	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JD19	AS	3.450		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.670		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	AL	16800.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	BA	180.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.720		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	CA	78000.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	CO	9.190		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	CR	20.200		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	CU	13.300		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	FE	22900.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	K	4180.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	MG	31800.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	MN	1000.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	NA	278.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	NI	15.600		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	PB	75.600		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	SB	9.780		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	V	36.600		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JS16	ZN	284.000		
BKSS4	RVFS*51	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JD19	AS	3.490		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.060		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	AL	7620.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	BA	88.500		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.500	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	CA	41300.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	CO	4.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	CR	12.500		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	CU	12.800		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	FE	11200.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	K	795.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	MG	22800.000		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	MN	221.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	NA	258.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	NI	6.200		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	PB	27.000		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	V	28.100		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JS16	ZN	69.700		
BKSS5	RVFS*64	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.541		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JD19	AS	8.070		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.200		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	AL	9730.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	BA	143.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.500	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	CA	12300.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	CO	13.300		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	CR	16.700		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	CU	42.600		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	FE	29500.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	K	1320.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	MG	4650.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	MN	914.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	NA	235.000		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	NI	24.100		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	PB	10.500	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	V	19.900		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JS16	ZN	60.400		
BKSS6	RVFS*89	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JD19	AS	3.520		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.570		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	AL	6830.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	BA	70.500		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.500	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	CA	100000.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	CO	5.040		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	CR	13.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	CU	14.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	FE	10500.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	K	1460.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	MG	41200.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	MN	199.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	NA	299.000		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	NI	11.300		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	PB	62.300		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	V	23.400		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JS16	ZN	73.200		
BKSS7	RVFS*90	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JD19	AS	7.320		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	AG	1.050		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	AL	16600.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	BA	103.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.811		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	CA	23200.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	CO	12.900		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	CR	28.500		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	CU	16.300		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	FE	25100.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	K	2590.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	MG	12800.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	MN	298.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	NA	226.000		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	NI	27.400		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	PB	10.500	LT	
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	

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BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	V	36.500		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JS16	ZN	63.900		
BKSS8	RVFS*65	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JD15	SE	0.250	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JD19	AS	3.790		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	AG	0.589	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	AL	8380.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	BA	66.100		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	BE	0.500	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	CA	3560.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	CD	0.700	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	CO	12.500		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	CR	25.900		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	CU	7.860		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	FE	16900.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	K	656.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	MG	2370.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	MN	892.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	NA	205.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	NI	11.000		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	PB	27.400		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	SB	7.140	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	TL	6.620	LT	
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	V	27.700		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JS16	ZN	36.100		
BKSS9	RVFS*113	CSO	10-mar-1992	0.5	UGG	JB01	HG	0.050	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SD20	PB	3.360		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW17	NO	30.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW19	NG	10.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	TF27	PO4	297.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	TF26	N2KJEL	686.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	TT10	CL	21100.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	TT10	SO4	180000.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SD22	AS	2.540	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SD21	SE	3.020	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	124TCB	1.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	12DCLB	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	12DPH	2.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	13DCLB	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	14DCLB	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	245TCP	5.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	246TCP	4.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	24DCLP	2.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	24DMPN	5.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	24DNP	21.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	24DNT	4.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	26DNT	0.790	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2CLP	0.990	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2CNAP	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2MNAP	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2MP	3.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2NANIL	4.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	2NP	3.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	33DCBD	12.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	3NANIL	4.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	46DN2C	17.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4BRPPE	4.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4CANIL	7.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4CL3C	4.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4CLPPE	5.100	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4MP	0.520	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4NANIL	5.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	4NP	12.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ABHC	4.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ACLDAN	5.100	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	AENSLF	9.200	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ALDRN	4.700	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ANAPNE	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ANAPYL	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ANTRC	0.500	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	B2CEXM	1.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	B2CIPE	5.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	B2CLEE	1.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	B2EHP	4.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BAANTR	1.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BAPYR	4.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BBFANT	5.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BBHC	4.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BBZP	3.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BENSLF	9.200	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BENZID	10.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BENZOA	13.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BGHIPY	6.100	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BKFANT	0.870	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	BZALC	0.720	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	CHRY	2.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	CL6BZ	1.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	CL6CP	8.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	CL6ET	1.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DBAHA	6.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DBHC	4.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DBZFUR	1.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DEP	2.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DLDRN	4.700	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DMP	1.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DNBP	3.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	DNOP	15.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ENDRN	7.600	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ENDRNA	8.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ENDRNK	8.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ESFSO4	9.200	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	FANT	3.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	FLRENE	3.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	GCLDAN	5.100	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	HCBD	3.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	HPCL	2.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	HPCLE	5.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ICDPYR	8.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	ISOPHR	4.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	LIN	4.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	MEXCLR	5.100	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	NAP	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	NB	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	NNDMEA	2.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	NNDNPA	4.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	NNDPA	3.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB016	21.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB221	21.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB232	21.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB242	30.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB248	30.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB254	36.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCB260	36.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PCP	18.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PHANTR	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PHENOL	9.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PPDDD	4.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PPDDE	4.700	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PPDDT	9.200	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	PYR	2.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	TXPHEN	36.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM18	UNK640	4.000		S
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	111TCE	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	112TCE	1.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	11DCE	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	11DCLE	0.680	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	12DCE	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	12DCLE	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	12DCLP	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	2CLEVE	0.710	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	ACET	13.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	ACROLN	100.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	ACRYLO	100.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	BRDCLM	0.590	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	C13DCP	0.580	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	C2AVE	8.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	C2H3CL	2.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	C2H5CL	1.900	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	C6H6	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CCL3F	1.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CCL4	0.580	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CH2CL2	2.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CH3BR	5.800	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CH3CL	3.200	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CHBR3	2.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CHCL3	1.540		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CL2BZ	10.000	ND	R
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CLC6H5	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	CS2	0.737		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	DBRCLM	0.670	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	ETC6H5	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	MEC6H5	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	MEK	6.400	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	MIBK	3.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	MNBK	3.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	STYR	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	T13DCP	0.700	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	TCLEA	0.510	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	TCLEE	1.600	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	TRCLE	0.500	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UM20	XYLEN	0.840	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	00	TOC	22300.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0		00	PH	8.230		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	AL	278.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	BA	29.300		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	CA	169000.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	CO	25.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	CR	6.020	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	CU	17.100		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	FE	270.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	K	1650.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	MG	44800.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	MN	108.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	NA	14400.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	NI	34.300	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	SB	38.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	V	11.000	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	SS10	ZN	28.300		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	H2	PHENLC	7.120	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	00	TOX	99.300		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	TF22	NIT	26000.000		
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	135TNB	0.449	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	13DNB	0.611	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	246TNT	0.635	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	24DNT	0.064	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	26DNT	0.074	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	HMX	3.400		C
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	NB	0.645	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	RDX	1.170	LT	
D-3	RDWA*3	CGW	17-sep-1991	28.0	UGL	UW32	TETRYL	2.490	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SD20	PB	17.700		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SD22	AS	2.540	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SD21	SE	3.020	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	AL	7270.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	BA	76.800		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	CA	177000.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	CO	25.000	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	CR	12.900		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	CU	31.600		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	FE	13800.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	K	3810.000		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	MG	53500.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	MN	351.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	NA	14400.000		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	NI	34.300	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	SB	38.000	LT	
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	V	25.600		
D-3	RDWAU*3	CGW	17-sep-1991	28.0	UGL	SS10	ZN	122.000		
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SB01	HG	0.243	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	111TCE	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	112TCE	1.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	11DCE	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	11DCLE	0.680	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	12DCE	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	12DCLE	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	12DCLP	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	2CLEVE	100.000	LT	G
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	ACET	13.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	ACROLN	100.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	ACRYLO	100.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	BRDCLM	0.590	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	C13DCP	0.580	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	C2AVE	8.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	C2H3CL	2.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	C2H5CL	1.900	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	C6H6	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CCL3F	1.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CCL4	0.580	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CH2CL2	2.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CH3BR	5.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CH3CL	3.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CHBR3	2.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CHCL3	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CL2BZ	10.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CLC6H5	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	CS2	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	DBRCLM	0.670	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	ETC6H5	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	MEC6H5	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	MEK	6.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	MIBK	3.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	MNBK	3.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	STYR	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	T13DCP	0.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	TCLEA	0.510	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	TCLEE	1.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	TRCLE	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM20	XYLEN	0.840	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	124TCB	1.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	12DCLB	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	12DPH	2.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	13DCLB	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	14DCLB	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	245TCP	5.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	246TCP	4.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	24DCLP	2.900	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	24DMPN	5.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	24DNP	21.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	24DNT	4.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	26DNT	0.790	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2CLP	0.990	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2CNAP	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2MNAP	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2MP	3.900	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2NANIL	4.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	2NP	3.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	33DCBD	12.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	3NANIL	4.900	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	46DN2C	17.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4BRPPE	4.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4CANIL	7.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4CL3C	4.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4CLPPE	5.100	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4MP	0.520	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4NANIL	5.200	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	4NP	12.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ABHC	4.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ACLDAN	5.100	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	AENSLF	9.200	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ALDRN	4.700	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ANAPNE	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ANAPYL	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ANTRC	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	B2CEXM	1.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	B2CIPE	5.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	B2CLEE	1.900	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	B2EHP	4.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BAANTR	1.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BAPYR	4.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BBFANT	5.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BBHC	4.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BBZP	3.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BENSLF	9.200	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BENZID	10.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BENZOA	13.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BGHIPY	6.100	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BKFANT	0.870	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	BZALC	0.720	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	CHRY	2.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	CL6BZ	1.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	CL6CP	8.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	CL6ET	1.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DBAHA	6.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DBHC	4.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DBZFUR	1.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DEP	2.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DLDRN	4.700	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DMP	1.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DNBP	3.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	DNOP	15.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ENDRN	7.600	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ENDRNA	8.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ENDRNK	8.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ESFSO4	9.200	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	FANT	3.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	FLRENE	3.700	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	GCLDAN	5.100	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	HCBD	3.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	HPCL	2.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	HPCLE	5.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ICDPYR	8.600	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	ISOPHR	4.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	LIN	4.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	MEXCLR	5.100	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	NAP	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	NB	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	NNDMEA	2.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	NNDNPA	4.400	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	NNDPA	3.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB016	21.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB221	21.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB232	21.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB242	30.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB248	30.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB254	36.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCB260	36.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PCP	18.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PHANTR	0.500	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PHENOL	9.200	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PPDDD	4.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PPDDE	4.700	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PPDDT	9.200	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	PYR	2.800	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UM18	TXPHEN	36.000	ND	R
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SD22	AS	2.540	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SD21	SE	3.020	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SD09	TL	6.990	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SD20	PB	2.490		
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	AG	4.600	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	BA	31.600		
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	BE	5.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	CD	4.010	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	CR	6.020	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	NI	34.300	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	SS10	SB	38.000	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	246TNT	0.588	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	24DNT	0.612	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	26DNT	1.150	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	HMX	8.370		C
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	RDX	2.110	LT	
D-3	RADW*4	CGW	22-aug-1990	28.0	UGL	UW14	TETRYL	1.190		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SD20	PB	1.260	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW17	NO	30.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW19	NG	10.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	TF27	PO4	64.400		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	TF26	N2KJEL	914.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	TT10	CL	21300.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	TT10	SO4	235000.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SB01	HG	0.243	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SD09	TL	6.990	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SD22	AS	2.540	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SD21	SE	3.020	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SD23	AG	0.250	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	124TCB	1.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	12DCLB	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	12DPH	2.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	13DCLB	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	14DCLB	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	245TCP	5.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	246TCP	4.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	24DCLP	2.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	24DMPN	5.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	24DNP	21.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	24DNT	4.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	26DNT	0.790	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2CLP	0.990	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2CNAP	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2MNAP	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2NP	3.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2NANIL	4.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	2NP	3.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	33DCBD	12.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	3NANIL	4.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	46DN2C	17.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4BRPPE	4.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4CANIL	7.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4CL3C	4.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4CLPPE	5.100	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4MP	0.520	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4NANIL	5.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	4NP	12.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ABHC	4.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ACLDAN	5.100	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	AENSLF	9.200	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ALDRN	4.700	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ANAPNE	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ANAPYL	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ANTRC	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	B2CEXM	1.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	B2CIPE	5.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	B2CLEE	1.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	B2EHP	4.730		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BAANTR	1.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BAPYR	4.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BBFANT	5.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BBHC	4.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BBZP	3.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BENSLF	9.200	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BENZID	10.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BENZOA	13.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BGHIPY	6.100	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BKFANT	0.870	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	BZALC	0.720	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	CAPLCT	30.000		S
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	CHRY	2.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	CL6BZ	1.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	CL6CP	8.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	CL6ET	1.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DBAHA	6.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DBHC	4.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DBZFUR	1.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DEP	2.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DLDRN	4.700	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DMP	1.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DNBP	3.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	DNOP	15.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ENDRN	7.600	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ENDRNA	8.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ENDRNK	8.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ESFSO4	9.200	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	FANT	3.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	FLRENE	3.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	GCLDAN	5.100	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	HCBD	3.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	HPCL	2.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	HPCLE	5.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ICDPYR	8.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	ISOPHR	4.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	LIN	4.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	MEXCLR	5.100	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	NAP	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	NB	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	NNDMEA	2.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	NNDNPA	4.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	NNDPA	3.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB016	21.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB221	21.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB232	21.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB242	30.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB248	30.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB254	36.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCB260	36.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PCP	18.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PHANTR	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PHENOL	9.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PPDDD	4.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PPDDE	4.700	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PPDDT	9.200	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	PYR	2.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	TXPHEN	36.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	UNK587	3.000		S
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	UNK619	10.000		S
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	UNK640	30.000		S
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM18	UNK644	4.000		S
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	111TCE	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	112TCE	1.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	11DCE	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	11DCLE	0.680	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	12DCE	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	12DCLE	0.583		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	12DCLP	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	2CLEVE	0.710	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	ACET	13.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	ACROLN	100.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	ACRYLO	100.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	BRDCLM	0.590	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	C13DCP	0.580	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	C2AVE	8.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	C2H3CL	2.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	C2H5CL	1.900	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	C6H6	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CCL3F	1.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CCL4	0.580	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CH2CL2	2.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CH3BR	5.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CH3CL	3.200	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CHBR3	2.600	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CHCL3	2.050		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CL2BZ	10.000	ND	R
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CLC6H5	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	CS2	2.610		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	DBRCLM	0.670	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	ETC6H5	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	MEC6H5	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	MEK	6.400	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	MIBK	3.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	MNBK	3.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	STYR	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	T13DCP	0.700	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	TCLEA	0.510	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	TCLEE	1.600	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	TRCLE	0.500	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UM20	XYLEN	0.840	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	00	TOC	9630.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0		00	PH	7.870		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	AL	141.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	BA	35.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	BE	5.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	CA	158000.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	CD	4.010	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	CO	25.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	CR	6.020	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	CU	8.090	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	FE	38.800	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	K	1170.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	MG	41200.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	MN	2.750	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	NA	16600.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	NI	34.300	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	SB	38.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	V	11.000	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	SS10	ZN	21.100	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	H2	PHENLC	40.800		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	00	TOX	156.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	TF22	NIT	30000.000		
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	135TNB	0.449	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	13DNB	0.611	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	246TNT	0.635	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	24DNT	0.183		C
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	26DNT	0.074	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	HMX	2.820		C
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	NB	0.645	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	RDX	1.170	LT	
D-3D	RDWA*2	CGW	17-sep-1991	58.0	UGL	UW32	TETRYL	2.490	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SD20	PB	6.830		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SB01	HG	0.243	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SD09	TL	6.990	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SD22	AS	2.540	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SD21	SE	3.020	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SD23	AG	0.250	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	AL	558.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	BA	41.800		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	BE	5.000	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	CA	156000.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	CD	4.010	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	CO	25.000	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	CR	6.020	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	CU	12.300		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	FE	645.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	K	1910.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	MG	41100.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	MN	26.900		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	NA	16600.000		
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	NI	34.300	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	SB	38.000	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	V	11.000	LT	
D-3D	RDWAU*2	CGW	17-sep-1991	58.0	UGL	SS10	ZN	47.100		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SD20	PB	1.260	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW17	NQ	30.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW19	NG	10.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	TF27	PO4	1500.000		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	TF26	N2KJEL	667.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	TT10	CL	17800.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	TT10	SO4	13900.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SD22	AS	2.540	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SD21	SE	3.020	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	124TCB	1.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	12DCLB	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	12DPH	2.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	13DCLB	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	14DCLB	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	245TCP	5.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	246TCP	4.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	24DCLP	2.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	24DMPN	5.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	24DNP	21.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	24DNT	4.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	26DNT	0.790	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2CLP	0.990	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2CNAP	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2MNAP	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2MP	3.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2NANIL	4.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	2NP	3.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	33DCBD	12.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	3NANIL	4.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	46DN2C	17.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4BRPPE	4.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4CANIL	7.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4CL3C	4.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4CLPPE	5.100	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4MP	0.520	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4NANIL	5.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	4NP	12.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ABHC	4.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ACLDAN	5.100	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	AENSLF	9.200	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ALDRN	4.700	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ANAPNE	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ANAPYL	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ANTRC	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	B2CEXM	1.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	B2CIPE	5.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	B2CLEE	1.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	B2EHP	4.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BAANTR	1.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BAPYR	4.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BBFANT	5.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BBHC	4.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BBZP	3.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BENSLF	9.200	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BENZID	10.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BENZOA	13.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BGHIPY	6.100	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BKFANT	0.870	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	BZALC	0.720	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	CHRY	2.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	CL6BZ	1.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	CL6CP	8.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	CL6ET	1.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DBAHA	6.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DBHC	4.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DBZFUR	1.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DEP	2.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DLDRN	4.700	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DMP	1.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DNBP	3.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	DNOP	15.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ENDRN	7.600	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ENDRNA	8.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ENDRNK	8.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ESFSO4	9.200	ND	R

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	FANT	3.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	FLRENE	3.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	GCLDAN	5.100	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	HCBD	3.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	HPCL	2.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	HPCLE	5.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ICDPYR	8.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	ISOPHR	4.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	LIN	4.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	MEXCLR	5.100	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	NAP	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	NB	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	NNDMEA	2.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	NNDNPA	4.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	NNDPA	3.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB016	21.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB221	21.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB232	21.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB242	30.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB248	30.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB254	36.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCB260	36.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PCP	18.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PHANTR	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PHENOL	9.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PPDDD	4.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PPDDE	4.700	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PPDDT	9.200	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	PYR	2.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	TXPHEN	36.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM18	UNK610	5.000		S
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	TF22	NIT	110.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	111TCE	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	112TCE	1.200	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	11DCE	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	11DCLE	0.680	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	12DCE	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	12DCLE	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	12DCLP	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	2CLEVE	0.710	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	ACET	13.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	ACROLN	100.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	ACRYLO	100.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	BRDCLM	0.590	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	C13DCP	0.580	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	C2AVE	8.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	C2H3CL	2.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	C2H5CL	1.900	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	C6H6	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CCL3F	1.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CCL4	0.580	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CH2CL2	2.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CH3BR	5.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CH3CL	5.670		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CHBR3	2.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CHCL3	8.510		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CL2BZ	10.000	ND	R
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CLC6H5	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	CS2	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	DBRCLM	0.670	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	ETC6H5	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	MEC6H5	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	MEK	6.400	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	MIBK	3.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	MNBK	3.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	STYR	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	T13DCP	0.700	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	TCLEA	0.510	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	TCLEE	1.600	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	TRCLE	0.500	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UM20	XYLEN	0.840	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	00	TOC	6280.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0		00	PH	6.990		K
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	AL	141.000	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	BA	99.100		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	CA	37900.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	CO	25.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	CR	6.020	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	CU	8.090	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	FE	38.800	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	K	1180.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	MG	19600.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	MN	13.600		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	NA	8240.000		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	NI	34.300	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	SB	38.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	V	11.000	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	SS10	ZN	21.100	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	H2	PHENLC	7.120	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	00	TOX	68.400		
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	135TNB	0.449	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	13DNB	0.611	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	246TNT	0.635	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	24DNT	0.064	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	26DNT	0.074	LT	
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	HMX	4.240		C
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	NB	0.645	LT	U
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	RDX	1.170	LT	U
D-4	RDWA*4	CGW	20-sep-1991	28.0	UGL	UW32	TETRYL	2.490	LT	U
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SD20	PB	100.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SD22	AS	4.160		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SD21	SE	3.020	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	AL	23800.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	BA	285.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	CA	88700.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	CO	25.000	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	CR	92.100		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	CU	47.900		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	FE	66100.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	K	6320.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	MG	61800.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	MN	528.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	NA	8160.000		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	NI	34.300	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	SB	38.000	LT	
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	V	83.600		
D-4	RDWAU*4	CGW	20-sep-1991	28.0	UGL	SS10	ZN	115.000		
DDH2	RDWA*31	CGW	19-sep-1991	24.0	UGL	00	TOC	6420.000		
DDH2	RDWA*31	CGW	19-sep-1991	24.0	UGL	00	TOX	115.000		
DDH2	RDWA*32	CGW	19-sep-1991	24.0	UGL	00	TOC	6550.000		
DDH2	RDWA*32	CGW	19-sep-1991	24.0	UGL	00	TOX	148.000		
DDH2	RDWA*33	CGW	19-sep-1991	24.0	UGL	00	TOC	6190.000		
DDH2	RDWA*33	CGW	19-sep-1991	24.0	UGL	00	TOX	93.500		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SD20	PB	1.260	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW17	NQ	30.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW19	NG	10.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	TF27	PO4	158.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	TF26	N2KJEL	533.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	TT10	CL	21400.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	TT10	SO4	380000.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SB01	HG	0.243	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SD09	TL	6.990	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SD22	AS	2.540	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SD21	SE	3.020	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SD23	AG	0.250	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	124TCB	1.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	12DCLB	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	12DPH	2.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	13DCLB	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	14DCLB	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	245TCP	5.200	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	246TCP	4.200	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	24DCLP	2.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	24DMPN	5.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	24DNP	21.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	24DNT	4.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	26DNT	0.790	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2CLP	0.990	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2CNAP	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2MNAP	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2MP	3.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2NANIL	4.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	2NP	3.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	33DCBD	12.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	3NANIL	4.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	46DN2C	17.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4BRPPE	4.200	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4CANIL	7.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4CL3C	4.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4CLPPE	5.100	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4MP	0.520	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4NANIL	5.200	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	4NP	12.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ABHC	4.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ACLDAN	5.100	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	AENSLF	9.200	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ALDRN	4.700	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ANAPNE	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ANAPYL	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ANTRC	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	B2CEXM	1.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	B2CIPE	5.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	B2CLEE	1.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	B2EHP	4.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BAANTR	1.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BAPYR	4.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BBFANT	5.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BBHC	4.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BBZP	3.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BENSLF	9.200	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BENZID	10.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BENZOA	13.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BGHIPY	6.100	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BKFANT	0.870	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	BZALC	0.720	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	CHRY	2.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	CL6BZ	1.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	CL6CP	8.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	CL6ET	1.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DBAHA	6.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DBHC	4.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DBZFUR	1.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DEP	2.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DLDRN	4.700	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DMP	1.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DNBP	3.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	DNOP	15.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ENDRN	7.600	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ENDRNA	8.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ENDRNK	8.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ESFSO4	9.200	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	FANT	3.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	FLRENE	3.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	GCLDAN	5.100	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	HCBD	3.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	HPCL	2.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	HPCLE	5.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ICDPYR	8.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	ISOPHR	4.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	LIN	4.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	MEXCLR	5.100	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	NAP	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	NB	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	NNDMEA	2.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	NNDNPA	4.400	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	NNDPA	3.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB016	21.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB221	21.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB232	21.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB242	30.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB248	30.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB254	36.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCB260	36.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PCP	18.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PHANTR	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PHENOL	9.200	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PPDDD	4.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PPDDE	4.700	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PPDDT	9.200	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	PYR	2.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	TXPHEN	36.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	UNK645	40.000		S
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	UNK647	5.000		S
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	UNK674	10.000		S
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	UNK689	40.000		S
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM18	UNK690	40.000		S
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	111TCE	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	112TCE	1.200	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	11DCE	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	11DCLE	0.680	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	12DCE	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	12DCLE	1.510		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	12DCLP	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	2CLEVE	0.710	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	ACET	13.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	ACROLN	100.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	ACRYLO	100.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	BRDCLM	0.590	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	C13DCP	0.580	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	C2AVE	8.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	C2H3CL	2.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	C2H5CL	1.900	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	C6H6	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CCL3F	1.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CCL4	0.580	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CH2CL2	2.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CH3BR	5.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CH3CL	13.700		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CHBR3	2.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CHCL3	1.540		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CL2BZ	10.000	ND	R
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CLC6H5	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	CS2	2.490		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	DBRCLM	0.670	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	ETC6H5	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	MEC6H5	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	MEK	6.400	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	MIBK	3.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	MNBK	3.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	STYR	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	T13DCP	0.700	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	TCLEA	0.510	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	TCLEE	1.600	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	TRCLE	0.500	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UM20	XYLEN	0.840	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	00	TOC	5080.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0		00	PH	6.970		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	AL	141.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	BA	16.800		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	BE	5.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	CA	210000.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	CD	4.010	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	CO	25.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	CR	6.020	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	CU	9.040		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	FE	38.800	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	K	546.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	MG	36500.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	MN	3.790		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	NA	20400.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	NI	34.300	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	SB	38.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	V	11.000	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	SS10	ZN	21.100	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	H2	PHENLC	7.120	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	00	TOX	79.100		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	TF22	NIT	38000.000		
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	135TNB	0.449	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	13DNB	0.611	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	246TNT	0.635	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	24DNT	0.064	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	26DNT	0.082		C
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	HMX	5.330		C
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	NB	0.645	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	RDX	1.170	LT	
DDH2	RDWA*5	CGW	19-sep-1991	24.0	UGL	UW32	TETRYL	2.490	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SD20	PB	4.230		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SB01	HG	0.243	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SD09	TL	6.990	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SD22	AS	2.540	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SD21	SE	3.020	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SD23	AG	0.250	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	AL	697.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	BA	28.100		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	BE	5.000	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	CA	209000.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	CD	4.010	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	CO	25.000	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	CR	6.190		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	CU	8.890		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	FE	2450.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	K	827.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	MG	38300.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	MN	81.500		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	NA	19800.000		
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	NI	34.300	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	SB	38.000	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	V	11.000	LT	
DDH2	RDWAU*5	CGW	19-sep-1991	24.0	UGL	SS10	ZN	26.000		
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SB01	HG	0.243	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	111TCE	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	112TCE	1.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	11DCE	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	11DCLE	0.680	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	12DCE	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	12DCLE	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	12DCLP	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	2CLEVE	100.000	LT	G
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	ACET	13.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	ACROLN	100.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	ACRYLO	100.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	BRDCLM	0.590	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	C13DCP	0.580	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	C2AVE	8.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	C2H3CL	2.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	C2H5CL	1.900	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	C6H6	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CCL3F	1.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CCL4	0.580	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CH2CL2	2.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CH3BR	5.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CH3CL	3.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CHBR3	2.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CHCL3	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CL2BZ	10.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CLC6H5	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	CS2	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	DBRCLM	0.670	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	ETC6H5	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	MEC6H5	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	MEK	6.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	MIBK	3.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	MNBK	3.600	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	STYR	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	T13DCP	0.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	TCLEA	0.510	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	TCLEE	1.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	TRCLE	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM20	XYLEN	0.840	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	124TCB	1.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	12DCLB	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	12DPH	2.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	13DCLB	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	14DCLB	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	245TCP	5.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	246TCP	4.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	24DCLP	2.900	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	24DMPN	5.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	24DNP	21.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	24DNT	4.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	26DNT	0.790	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2CLP	0.990	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2CNAP	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2MNAP	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2MP	3.900	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2NANIL	4.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	2NP	3.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	33DCBD	12.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	3NANIL	4.900	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	46DN2C	17.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	48RPPE	4.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4CANIL	7.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4CL3C	4.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4CLPPE	5.100	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4MP	0.520	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4NANIL	5.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	4NP	12.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ABHC	4.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ACLDAN	5.100	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	AENSLF	9.200	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ALDRN	4.700	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ANAPNE	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ANAPYL	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ANTRC	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	B2CEXM	1.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	B2CIPE	5.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	B2CLEE	1.900	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	B2EHP	4.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BAANTR	1.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BAPYR	4.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BBFANT	5.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BBHC	4.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BBZP	3.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BENSLF	9.200	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BENZID	10.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BENZOA	13.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BGHIPY	6.100	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BKFANT	0.870	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	BZALC	0.720	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	CHRY	2.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	CL6BZ	1.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	CL6CP	8.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	CL6ET	1.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DBAHA	6.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DBHC	4.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DBZFUR	1.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DEP	2.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DLDRN	4.700	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DMP	1.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DNBP	3.700	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	DNOP	15.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ENDRN	7.600	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ENDRNA	8.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ENDRNK	8.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ESFSO4	9.200	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	FANT	3.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	FLRENE	3.700	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	GCLDAN	5.100	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	HCBD	3.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	HPCL	2.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	HPCLE	5.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ICDPYR	8.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	ISOPHR	4.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	LIN	4.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	MEXCLR	5.100	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	NAP	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	NB	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	NNDMEA	2.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	NNDNPA	4.400	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	NNDPA	3.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB016	21.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB221	21.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB232	21.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB242	30.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB248	30.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB254	36.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCB260	36.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PCP	18.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PHANTR	0.500	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PHENOL	9.200	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PPDDD	4.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PPDDE	4.700	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PPDDT	9.200	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	PYR	2.800	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UM18	TXPHEN	36.000	ND	R
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SD22	AS	2.540	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SD21	SE	3.020	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SD09	TL	6.990	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SD20	PB	2.820		
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	AG	4.600	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	BA	27.300		
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	BE	5.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	CD	4.010	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	CR	6.020	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	NI	34.300	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	SS10	SB	38.000	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	246TNT	0.588	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	24DNT	0.612	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	26DNT	1.150	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	HMX	2.270		C
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	RDX	2.110	LT	
DDH2	RADW*3	CGW	22-aug-1990	24.0	UGL	UW14	TETRYL	0.556	LT	
DDH4	RDWA*34	CGW	19-sep-1991	27.0	UGL	00	TOC	3710.000		
DDH4	RDWA*34	CGW	19-sep-1991	27.0	UGL	00	TOX	250.000		
DDH4	RDWA*35	CGW	19-sep-1991	27.0	UGL	00	TOC	3310.000		
DDH4	RDWA*35	CGW	19-sep-1991	27.0	UGL	00	TOX	199.000		
DDH4	RDWA*36	CGW	19-sep-1991	27.0	UGL	00	TOC	3620.000		
DDH4	RDWA*36	CGW	19-sep-1991	27.0	UGL	00	TOX	198.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0		00	PH	6.830		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SD20	PB	1.630		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW17	NQ	30.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW19	NG	10.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	TF27	PO4	990.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	TF26	N2KJEL	314.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	TT10	CL	17200.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	TT10	SO4	11900.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SB01	HG	0.243	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SD09	TL	6.990	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SD22	AS	2.540	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SD21	SE	3.020	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SD23	AG	0.250	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	124TCB	1.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	12DCLB	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	12DPH	2.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	13DCLB	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	14DCLB	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	245TCP	5.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	246TCP	4.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	24DCLP	2.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	24DMPN	5.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	24DNP	21.000	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	24DNT	4.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	26DNT	0.790	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2CLP	0.990	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2CNAP	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2MNAP	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2MP	3.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2NANIL	4.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	2NP	3.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	33DCBD	12.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	3NANIL	4.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	46DN2C	17.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4BRPPE	4.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4CANIL	7.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4CL3C	4.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4CLPPE	5.100	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4MP	0.520	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4NANIL	5.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	4NP	12.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ABHC	4.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ACLDAN	5.100	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	AENSLF	9.200	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ALDRN	4.700	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ANAPNE	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ANAPYL	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ANTRC	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	B2CEXM	1.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	B2CIPE	5.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	B2CLEE	1.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	B2EHP	4.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BAANTR	1.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BAPYR	4.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BBFANT	5.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BBHC	4.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BBZP	3.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BENSLF	9.200	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BENZID	10.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BENZOA	13.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BGHIPY	6.100	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BKFANT	0.870	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	BZALC	0.720	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	CHRY	2.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	CL6BZ	1.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	CL6CP	8.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	CL6ET	1.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DBAHA	6.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DBHC	4.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DBZFUR	1.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DEP	2.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DLDRN	4.700	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DMP	1.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DNBP	3.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	DNOP	15.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ENDRN	7.600	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ENDRNA	8.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ENDRNK	8.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ESFSO4	9.200	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	FANT	3.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	FLRENE	3.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	GCLDAN	5.100	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	HCBD	3.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	HPCL	2.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	HPCLE	5.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ICDPYR	8.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	ISOPHR	4.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	LIN	4.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	MEXCLR	5.100	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	NAP	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	NB	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	NNDMEA	2.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	NNDNPA	4.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	NNDPA	3.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB016	21.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB221	21.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB232	21.000	ND	R

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB242	30.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB248	30.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB254	36.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCB260	36.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PCP	18.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PHANTR	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PHENOL	9.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PPDDD	4.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PPDDE	4.700	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PPDDT	9.200	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	PYR	2.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	TXPHEN	36.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	UNK610	8.000		S
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	UNK669	100.000		S
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM18	UNK671	200.000		S
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	111TCE	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	112TCE	1.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	11DCE	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	11DCLE	0.680	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	12DCE	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	12DCLE	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	12DCLP	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	2CLEVE	0.710	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	ACET	13.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	ACROLN	100.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	ACRYLO	100.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	BRDCLM	0.590	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	C13DCP	0.580	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	C2AVE	8.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	C2H3CL	2.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	C2H5CL	1.900	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	C6H6	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CCL3F	1.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CCL4	0.580	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CH2CL2	2.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CH3BR	5.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CH3CL	3.200	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CHBR3	2.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CHCL3	7.790		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CL2BZ	10.000	ND	R
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CLC6H5	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	CS2	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	DBRCLM	0.670	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	ETC6H5	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	MEC6H5	0.873		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	MEK	6.400	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	MIBK	3.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	MNBK	3.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	STYR	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	T13DCP	0.700	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	TCLEA	0.510	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	TCLEE	1.600	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	TRCLE	0.500	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UM20	XYLEN	0.840	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	00	TOC	3420.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	AL	141.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	BA	58.300		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	BE	5.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	CA	43500.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	CD	4.010	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	CO	25.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	CR	6.020	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	CU	8.090	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	FE	38.800	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	K	888.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	MG	23100.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	MN	2.750	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	NA	8230.000		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	NI	34.300	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	SB	38.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	V	11.000	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	SS10	ZN	21.100	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	H2	PHENLC	7.120	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	00	TOX	208.000		

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	TF22	NIT	15.100		
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	135TNB	0.449	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	13DNB	0.611	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	246TNT	0.635	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	24DNT	0.064	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	26DNT	0.074	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	HMX	7.010		C
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	NB	0.645	LT	U
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	RDX	1.170	LT	
DDH4	RDWA*6	CGW	19-sep-1991	27.0	UGL	UW32	TETRYL	2.490	LT	U
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SD20	PB	39.600		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SB01	HG	0.243	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SD09	TL	6.990	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SD22	AS	2.540	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SD21	SE	3.020	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SD23	AG	0.443		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	AL	22400.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	BA	280.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	BE	5.000	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	CA	54300.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	CD	4.010	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	CO	25.000	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	CR	45.400		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	CU	183.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	FE	83600.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	K	7720.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	MG	51800.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	MN	2640.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	NA	7820.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	NI	52.600		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	SB	38.000	LT	
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	V	83.000		
DDH4	RDWAU*6	CGW	19-sep-1991	27.0	UGL	SS10	ZN	231.000		
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SB01	HG	0.243	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	111TCE	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	112TCE	1.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	11DCE	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	11DCLE	0.680	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	12DCE	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	12DCLE	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	12DCLP	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	2CLEVE	100.000	LT	G
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	ACET	13.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	ACROLN	100.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	ACRYLO	100.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	BRDCLM	0.590	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	C13DCP	0.580	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	C2AVE	8.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	C2H3CL	2.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	C2H5CL	1.900	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	C6H6	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CCL3F	1.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CCL4	0.580	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CH2CL2	2.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CH3BR	5.800	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CH3CL	3.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CH8R3	2.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CHCL3	1.740		
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CL2BZ	10.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CLC6H5	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	CS2	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	DBRCLM	0.670	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	ETC6H5	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	MEC6H5	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	MEK	6.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	MIBK	3.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	MNBK	3.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	STYR	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	T13DCP	0.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	TCLEA	0.510	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	TCLEE	1.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	TRCLE	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM20	XYLEN	0.840	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	124TCB	1.800	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	12DCLB	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	12DPH	2.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	13DCLB	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	14DCLB	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	245TCP	5.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	246TCP	4.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	24DCLP	2.900	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	24DMPN	5.800	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	24DNP	21.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	24DNT	4.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	26DNT	0.790	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2CLP	0.990	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2CNAP	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2MNAP	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2MP	3.900	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2NANIL	4.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	2NP	3.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	33DCBD	12.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	3NANIL	4.900	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	46DN2C	17.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4BRPPE	4.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4CANIL	7.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4CL3C	4.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4CLPPE	5.100	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4MP	0.520	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4NANIL	5.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	4NP	12.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ABHC	4.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ACLDAN	5.100	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	AENSLF	9.200	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ALDRN	4.700	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ANAPNE	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ANAPYL	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ANTRC	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	B2CEXM	1.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	B2CIPE	5.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	B2CLEE	1.900	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	B2EHP	4.800	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BAANTR	1.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BAPYR	4.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BBFANT	5.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BBHC	4.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BBZP	3.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BENSLF	9.200	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BENZID	10.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BENZOA	13.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BGHIPY	6.100	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BKFANT	0.870	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	BZALC	0.720	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	CHRY	2.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	CL6BZ	1.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	CL6CP	8.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	CL6ET	1.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DBAHA	6.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DBHC	4.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DBZFUR	1.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DEP	2.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DLDRN	4.700	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DMP	1.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DNBP	3.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	DNOP	15.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ENDRN	7.600	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ENDRNA	8.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ENDRNK	8.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ESFSO4	9.200	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	FANT	3.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	FLRENE	3.700	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	GCLDAN	5.100	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	HCBD	3.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	HPCL	2.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	HPCLE	5.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ICDPYR	8.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	ISOPHR	4.800	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	LIN	4.000	ND	R

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	MEXCLR	5.100	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	NAP	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	NB	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	NNDMEA	2.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	NNDNPA	4.400	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	NNDPA	3.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB016	21.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB221	21.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB232	21.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB242	30.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB248	30.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB254	36.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCB260	36.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PCP	18.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PHANTR	0.500	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PHENOL	9.200	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PPDDD	4.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PPDDE	4.700	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PPDDT	9.200	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	PYR	2.800	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UM18	TXPHEN	36.000	ND	R
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SD22	AS	2.540	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SD21	SE	3.020	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SD09	TL	6.990	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SD20	PB	4.880		
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	AG	4.600	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	BA	63.900		
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	BE	5.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	CD	4.010	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	CR	6.020	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	NI	34.300	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	SS10	SB	38.000	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	246TNT	0.588	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	24DNT	0.612	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	26DNT	1.150	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	HMX	10.100		C
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	RDX	2.110	LT	
DDH4	RADW*2	CGW	22-aug-1990	27.0	UGL	UW14	TETRYL	0.556	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SD20	PB	1.260	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW17	NQ	30.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW19	NG	10.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	TF27	PO4	2000.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	TF26	N2KJEL	1050.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	TT10	CL	19100.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	TT10	SO4	13900.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SD22	AS	2.540	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SD21	SE	3.020	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	124TCB	1.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	12DCLB	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	12DPH	2.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	13DCLB	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	14DCLB	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	245TCP	5.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	246TCP	4.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	24DCLP	2.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	24DMPN	5.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	24DNP	21.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	24DNT	4.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	26DNT	0.790	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2CLP	0.990	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2CNAP	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2MNAP	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2MP	3.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2NANIL	4.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	2NP	3.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	33DCBD	12.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	3NANIL	4.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	46DN2C	17.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4BRPPE	4.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4CANIL	7.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4CL3C	4.000	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4CLPPE	5.100	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4MP	0.520	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4NANIL	5.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	4NP	12.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ABHC	4.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ACLDAN	5.100	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	AENSLF	9.200	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ALDRN	4.700	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ANAPNE	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ANAPYL	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ANTRC	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	B2CEXM	1.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	B2CIPE	5.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	B2CLEE	1.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	B2EHP	4.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BAANTR	1.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BAPYR	4.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BBFANT	5.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BBHC	4.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BBZP	3.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BENSLF	9.200	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BENZID	10.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BENZOA	13.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BGHIPY	6.100	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BKFANT	0.870	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	BZALC	0.720	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	CHRY	2.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	CL6BZ	1.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	CL6CP	8.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	CL6ET	1.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DBAHA	6.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DBHC	4.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DBZFUR	1.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DEP	2.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DLDRN	4.700	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DMP	1.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DNBP	3.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	DNOP	15.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ENDRN	7.600	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ENDRNA	8.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ENDRNK	8.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ESFSO4	9.200	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	FANT	3.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	FLRENE	3.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	GCLDAN	5.100	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	HCBD	3.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	HPCL	2.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	HPCLE	5.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ICDPYR	8.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	ISOPHR	4.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	LIN	4.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	MEXCLR	5.100	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	NAP	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	NB	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	NNDMEA	2.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	NNDNPA	4.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	NNDPA	3.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB016	21.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB221	21.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB232	21.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB242	30.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB248	30.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB254	36.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCB260	36.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PCP	18.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PHANTR	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PHENOL	9.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PPDDD	4.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PPDDE	4.700	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PPDDT	9.200	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	PYR	2.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	TXPHEN	36.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM18	UNK610	6.000		S
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	111TCE	0.500	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	112TCE	1.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	11DCE	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	11DCLE	0.680	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	12DCE	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	12DCLE	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	12DCLP	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	2CLEVE	0.710	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	ACET	13.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	ACROLN	100.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	ACRYLO	100.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	BRDCLM	0.590	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	C13DCP	0.580	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	C2AVE	8.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	C2H3CL	2.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	C2H5CL	1.900	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	C6H6	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CCL3F	1.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CCL4	0.580	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CH2CL2	2.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CH3BR	5.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CH3CL	3.200	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CHBR3	2.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CHCL3	6.670		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CL2BZ	10.000	ND	R
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CLC6H5	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	CS2	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	DBRCLM	0.670	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	ETC6H5	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	MEC6H5	0.667		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	MEK	6.400	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	MIBK	3.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	MNBK	3.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	STYR	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	T13DCP	0.700	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	TCLEA	0.510	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	TCLEE	1.600	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	TRCLE	0.500	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UM20	XYLEN	0.840	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	00	TOC	8720.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0		00	PH	7.370		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	AL	141.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	BA	87.500		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	CA	48900.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	CO	25.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	CR	6.020	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	CU	8.090	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	FE	38.800	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	K	1150.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	MG	24400.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	MN	3.360		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	NA	8190.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	NI	34.300	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	SB	38.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	V	11.000	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	SS10	ZN	21.100	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	H2	PHENLC	7.120	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	00	TOX	142.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	TF22	NIT	3000.000		
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	135TNB	0.449	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	13DNB	0.611	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	246TNT	0.635	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	24DNT	0.064	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	26DNT	0.074	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	HMX	5.590		C
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	NB	0.645	LT	U
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	RDX	1.170	LT	
DG-1	RDWA*1	CGW	19-sep-1991	28.0	UGL	UW32	TETRYL	2.490	LT	U
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SD20	PB	60.300		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SB01	HG	0.243	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SD09	TL	6.990	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SD22	AS	2.540	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SD21	SE	3.020	LT	

Site ID	Field ID	Media	Date	Depth	Units	Analytical Method	Analyte Abbrv.	Value	Flag	Internal Std. Code
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SD23	AG	0.250	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	AL	89000.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	BA	972.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	BE	5.000	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	CA	120000.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	CD	4.010	LT	
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	CO	48.900		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	CR	107.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	CU	73.200		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	FE	124000.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	K	21100.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	MG	118000.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	MN	6180.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	NA	8380.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	NI	89.900		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	SB	62.700		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	V	201.000		
DG-1	RDWAU*1	CGW	19-sep-1991	28.0	UGL	SS10	ZN	587.000		

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Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	10MW1	RDWX*3	25.0	20-JUL-93	ES	RDWX*3	00 /W		Total organic carbon		3250	UGL		
									Total organic halogens		186	UGL		
									pH		7.5		D	
											7.5			
							SD20/W	39-92-1	Lead		1.52	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		2800	UGL		
							TF26/W		Nitrogen by Kjeldahl Method	LT	183	UGL		
							TT10/W	14808-79-8	Sulfate		27600	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		2.67	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*3	25.0	20-JUL-93	ES	RDWXU*3	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		

* - Analyte Description has been truncated. See Data Dictionary

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File Type: CGW
Sampling Date Range: 01-JAN-93 29-JUL-94

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
	D-2	RDWX*1	32.0	20-JUL-93	ES	RDWX*1	00 /W		Total organic carbon		3870	UGL		
									Total organic halogens		242	UGL		
									pH		6.84		D	
											6.86			
							SD20/W	39-92-1	Lead		23.4	UGL		
							SS10/W	40-47-3	Chromium		73.2	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		11000	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		2480	UGL		
							TT10/W	14808-79-8	Sulfate		73200	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine	LT	1.21	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*1	32.0	20-JUL-93	ES	RDWXU*1	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	D-3	RDWX*5	32.0	21-JUL-93	ES	RDWX*5	00 /W		Total organic carbon		2640	UGL		
									Total organic halogens		39.8	UGL		
									pH		7.4		D	
											7.43			
							SD20/W	39-92-1	Lead		8.13	UGL		
							SS10/W	40-47-3	Chromium		6.94	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		23000	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		248	UGL		
							TT10/W	14808-79-8	Sulfate		1.64 E 5	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4						

* - Analyte Description has been truncated. See Data Dictionary

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File Type: CGW
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Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	D-3	RDWX*5	32.0	21-JUL-93	ES	RDWX*5	UW32/W	21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		2.96	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*5	32.0	21-JUL-93	ES	RDWXU*5	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	D-3D	RDWX*4	60.0	21-JUL-93	ES	RDWX*4	00 /W		Total organic carbon		5290	UGL		
									Total organic halogens		140	UGL		
									pH		7.84		D	
											7.83			
							SD20/W	39-92-1	Lead		1.52	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		35000	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		200	UGL		
							TT10/W	14808-79-8	Sulfate		2.06 E 5	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		2.68	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*4	60.0	21-JUL-93	ES	RDWXU*4	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	D-4	RDWX*10	30.0	20-JUL-93	ES	RDWX*10	00 /W		Total organic carbon		4440	UGL	D	
									Total organic halogens		218	UGL	D	
									pH		7.06		D	
											7.09		D	
							SD20/W	39-92-1	Lead		63.2	UGL	D	
							SS10/W	40-47-3	Chromium		172	UGL	D	
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		1300	UGL	D	
							TF26/W		Nitrogen by Kjeldahl Method		2100	UGL	D	
							TT10/W	14808-79-8	Sulfate		15800	UGL	D	

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File Type: CGW
Sampling Date Range: 01-JAN-93 29-JUL-94

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	D-4	RDWX*10	30.0	20-JUL-93	ES	RDWX*10	UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL	D	
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL	D	
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL	D	
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL	D	
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL	D	
								91-41-0	Cyclotetramethylenetetranitramine		5.07	UGL	D	
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL	D	
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL	D	
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL	D	
		RDWX*9	30.0	20-JUL-93	ES	RDWX*9	00 /W		Total organic carbon		5820	UGL		
									Total organic halogens		167	UGL		
									pH		7.12		D	
											7.15			
							SD20/W	39-92-1	Lead		80.3	UGL		
							SS10/W	40-47-3	Chromium		255	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		1200	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		1710	UGL		
							TT10/W	14808-79-8	Sulfate		15900	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		4.73	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*10	30.0	20-JUL-93	ES	RDWXU*10	SD20/W	39-92-1	Lead	LT	1.26	UGL	D	
							SS10/W	40-47-3	Chromium	LT	6.02	UGL	D	
		RDWXU*9	30.0	20-JUL-93	ES	RDWXU*9	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	D-5	RDWX*2	30.0	21-JUL-93	ES	RDWX*2	00 /W		Total organic carbon		3850	UGL		
									Total organic halogens		204	UGL		
									pH		7.28		D	
											7.26			
							SD20/W	39-92-1	Lead		4.34	UGL		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation :Radford AAP, VA (RD)
File Type: CGW
Sampling Date Range: 01-JAN-93 29-JUL-94

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	D-5	RDWX*2	30.0	21-JUL-93	ES	RDWX*2	SS10/W	40-47-3	Chromium	LT	6.02	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		45000	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		286	UGL		
							TT10/W	14808-79-8	Sulfate		7.5 E 5	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine	LT	1.21	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*2	30.0	21-JUL-93	ES	RDWXU*2	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	DDH2	RDWX*6	25.0	21-JUL-93	ES	RDWX*6	00 /W		Total organic carbon		6250	UGL		
									Total organic halogens		204	UGL		
									pH		6.89		D	
											6.91			
							SD20/W	39-92-1	Lead		9.54	UGL		
							SS10/W	40-47-3	Chromium		21.2	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		33000	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		400	UGL		
							TT10/W	14808-79-8	Sulfate		3.0 E 5	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		3.94	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*6	0.0	21-JUL-93	ES	RDWXU*6	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	DDH4	RDWX*8	30.0	20-JUL-93	ES	RDWX*8	00 /W		Total organic carbon		1390	UGL		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation :Radford AAP, VA (RD)
File Type: CGW
Sampling Date Range: 01-JAN-93 29-JUL-94

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	DDH4	RDWX*8	30.0	20-JUL-93	ES	RDWX*8	00 /W		Total organic halogens		24	UGL		
									pH		7.47		D	
											7.5			
							SD20/W	39-92-1	Lead		11.5	UGL		
							SS10/W	40-47-3	Chromium		20.5	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		1600	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		171	UGL	1	
							TT10/W	14808-79-8	Sulfate		10700	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		7.54	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		
								99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*8	30.0	20-JUL-93	ES	RDWXU*8	SD20/W	39-92-1	Lead	LT	1.26	UGL		
							SS10/W	40-47-3	Chromium	LT	6.02	UGL		
	DG-1	RDWX*7	26.0	19-JUL-93	ES	RDWX*7	00 /W		Total organic carbon		2140	UGL		
									Total organic halogens		133	UGL		
									pH		7.37		D	
											7.35			
							SD20/W	39-92-1	Lead		18.2	UGL		
							SS10/W	40-47-3	Chromium		44.2	UGL		
							TF22/W	14797-55-8	Nitrite, nitrate - nonspecific		1200	UGL		
							TF26/W		Nitrogen by Kjeldahl Method		686	UGL		
							TT10/W	14808-79-8	Sulfate		11600	UGL		
							UW32/W	06-20-2	2,6-Dinitrotoluene	LT	7.38 E -2	UGL		
								18-96-7	2,4,6-Trinitrotoluene / alpha-Trinitrotoluene	LT	.635	UGL		
								21-14-2	2,4-Dinitrotoluene	LT	6.37 E -2	UGL		
								21-82-4	RDX / Cyclonite / Hexahydro-1,3,5-trinitro-1,3,5-triazine *	LT	1.17	UGL		
								79-45-8	Tetryl / N-Methyl-N,2,4,6-tetranitroaniline / Nitramine / *	LT	1.56	UGL		
								91-41-0	Cyclotetramethylenetetranitramine		6.84	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.645	UGL		
								99-35-4	1,3,5-Trinitrobenzene	LT	.449	UGL		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation :Radford AAP, VA (RD)
File Type: CGW
Sampling Date Range: 01-JAN-93 29-JUL-94

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Conc.	Unit Meas.	Flag Codes	Data Quals
WELL	DG-1	RDWX*7	26.0	19-JUL-93	ES	RDWX*7	UW32/W	99-65-0	1,3-Dinitrobenzene	LT	.611	UGL		
		RDWXU*7	26.0	19-JUL-93	ES	RDWXU*7	SD20/W	39-92-1	Lead	LT	1.26	UGL		

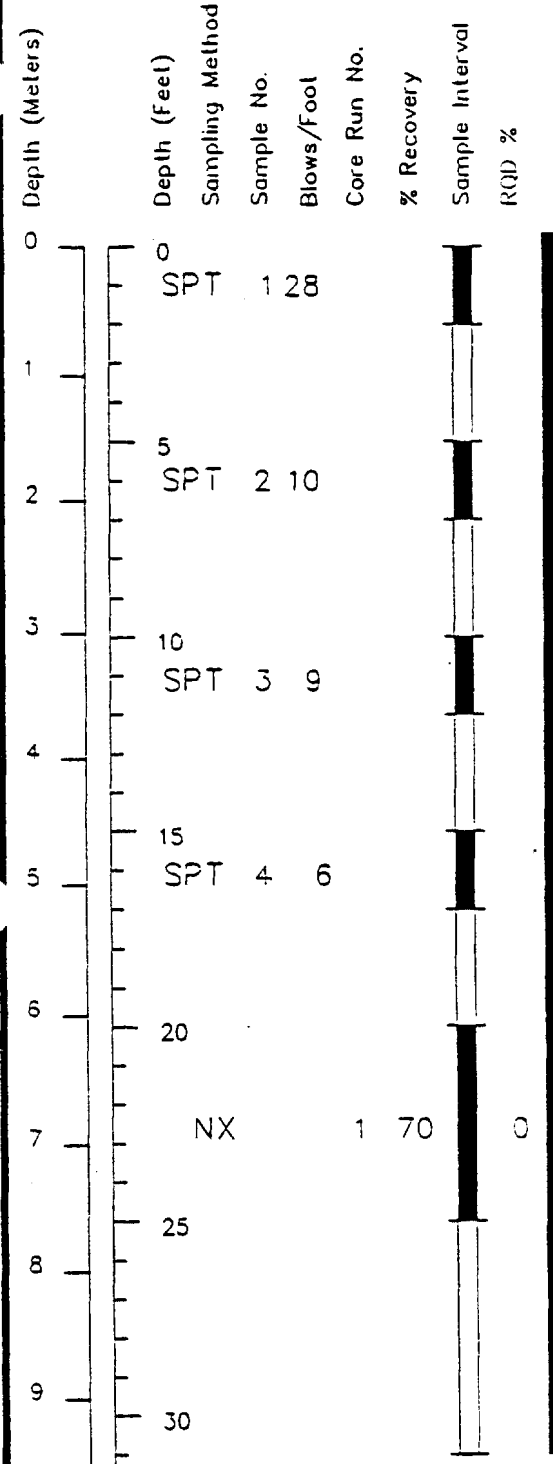
• - Analyte Description has been truncated. See Data Dictionary

Appendix B

Geotechnical Data

BORING 10MW1

Surface Elevation: **1701.3** Feet, MSL
Location: Radford AAP, Virginia
Start: 07:32 on 8-16-91
Finish: 12:00 on 8-16-91



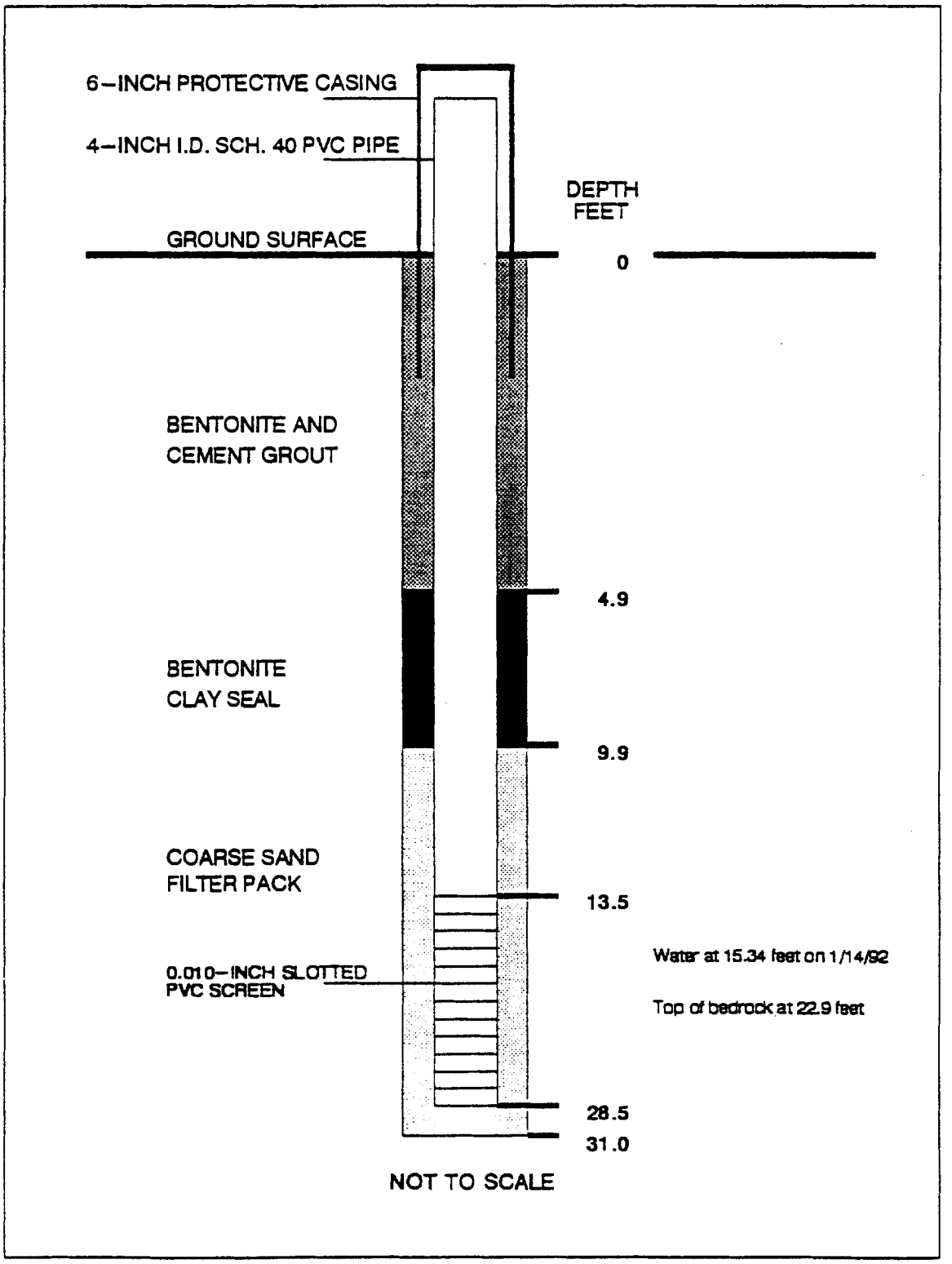
Symbols	Description
ML	DARK BROWN (7.5YR 3/2) FILL (SANDY SILT WITH COAL CHIPS)
	DARK BROWN (7.5YR 3/4) CLAYEY SILT WITH FINE SAND. MICACEOUS. MOIST
ML	GRADES MORE CLAY AND LESS SAND
	WITH MOTTLING
SM	DARK GRAY (10YR 4/1) FINE SAND. MICACEOUS. TRACE SILT
LS	LIGHT GRAY LIMESTONE. WEATHERED AND FRACTURED. WITH OXIDIZED SEAMS. WITH CALCITE CRYSTALS AND VEINS. ABUNDANT CLAY PARTINGS. ZONES WITH PITS AND VUGS
	NO OXIDIZED SEAMS BELOW 20.6 FEET
	GRADES GRAYISH BROWN TRACE PYRITE BELOW 23.0 FEET
	AIR ROTARY DRILL WITHOUT CORING BELOW 25.0 FEET
	BOREHOLE TERMINATED AT A DEPTH OF 31.0 FEET

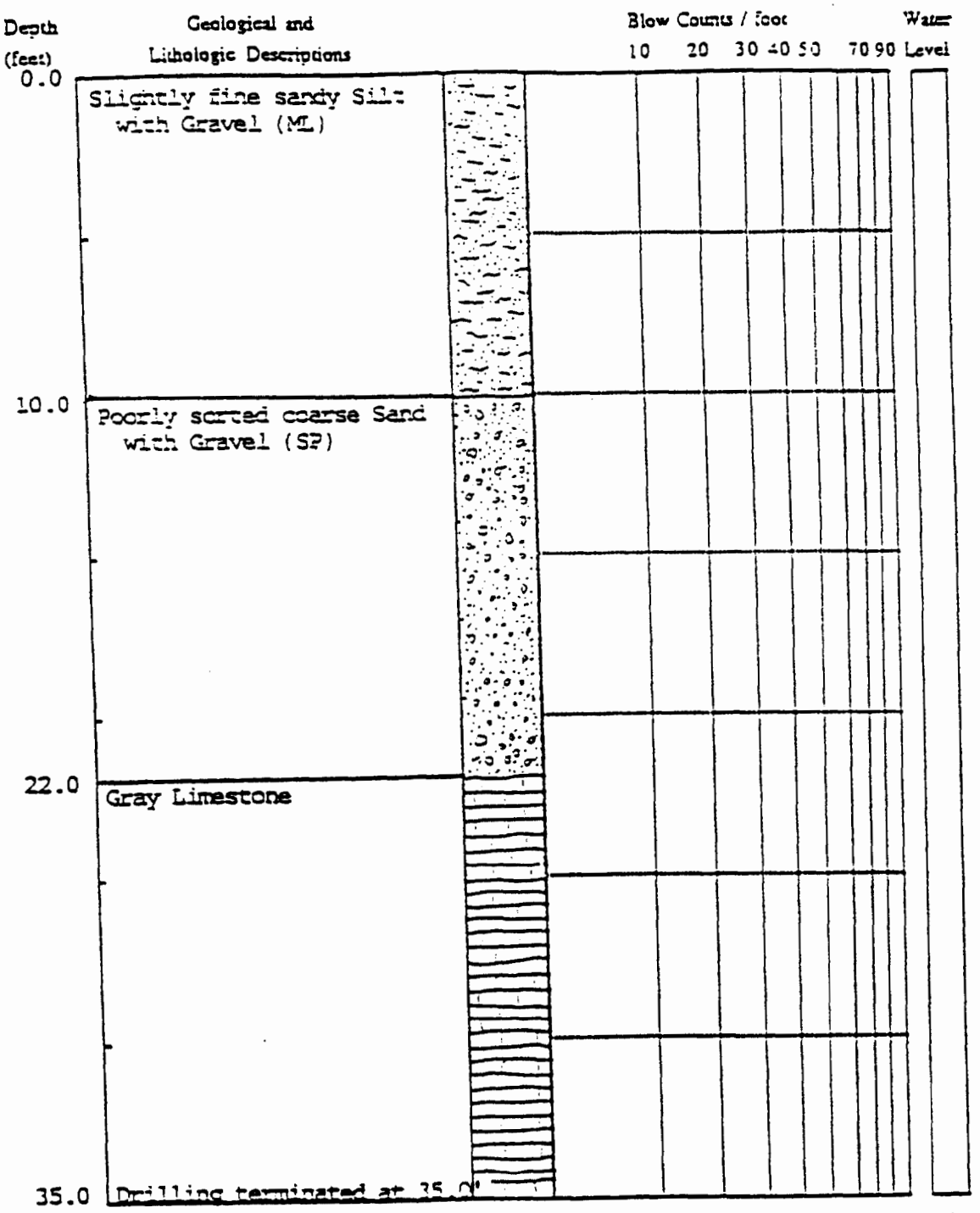
LOG OF BORING

Dames & Moore

WELL INSTALLATION DIAGRAM
FOR VERIFICATION INVESTIGATION
RADFORD AAP, VIRGINIA

Location: 10MW1
Installation Date: 8/16/91
Surface Elevation: 1701.3 Feet
Top of PVC Elevation: 1703.62 Feet





Boring and sampling meets ASTM D-1586; Core drilling meets ASTM D-2113; Penetration is the number of blows of 140-pound hammer falling 30 inches required to drive a 1.4-inch ID sampler one foot.

Test Boring Records

Boring No. DG-1 Site Radford AAP

Job No. 194 Date 900827

Geophex

Source: Geophex, 1990

Well Number: DG-1 Drilling Method: Air Rotary

Date Started: 900827 Drilling Fluids: Air/Water

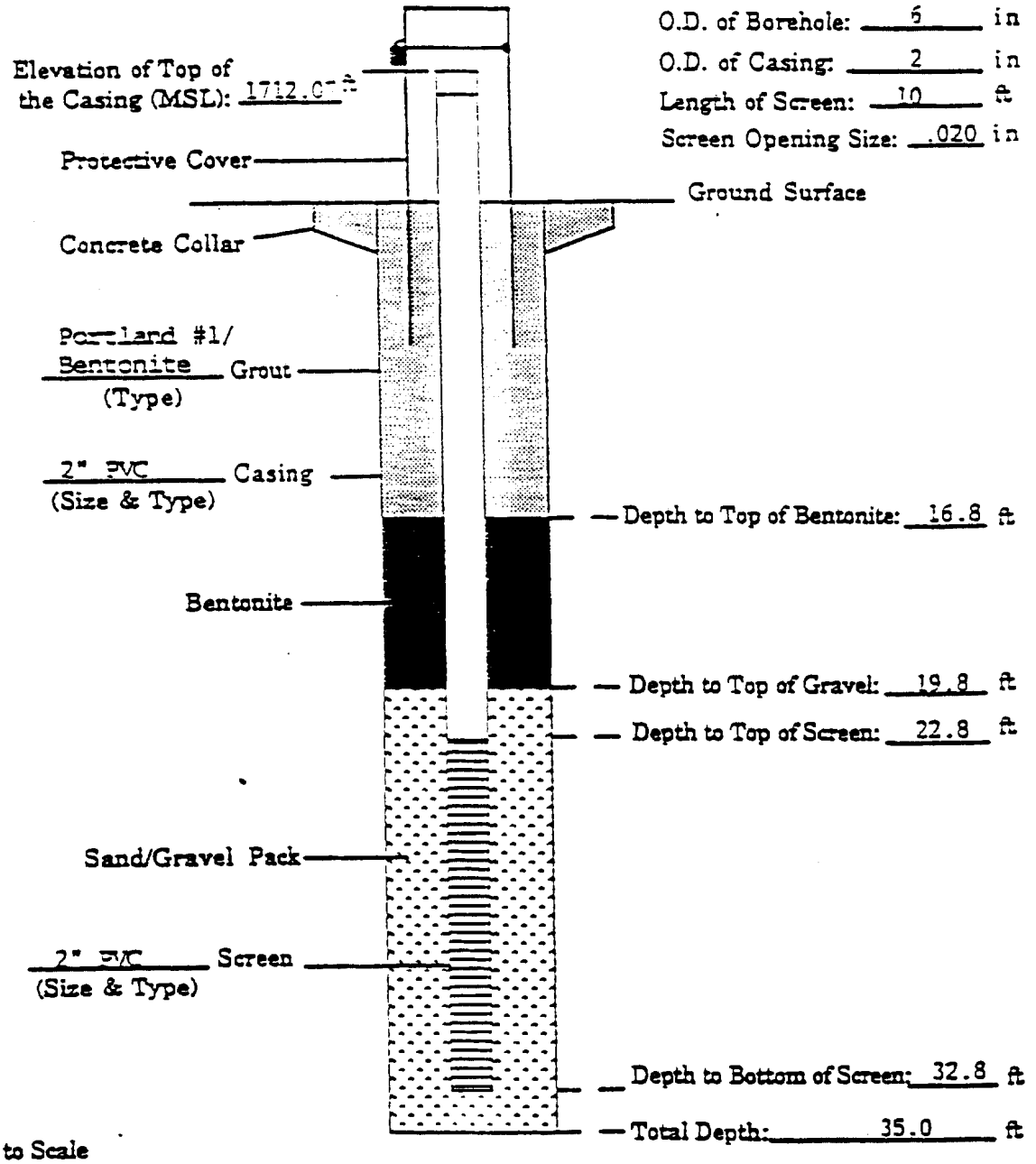
Date Finished: 900828 Static Water Level: 23.09 Date: 900903

Geologist/Engineer: Daw Observed By:

Remarks: Elevation to top of casing (TOC) is relative to D3 TOC. D3 TOC is assumed to be 1702.94 feet MSL.

All depths referenced to ground surface

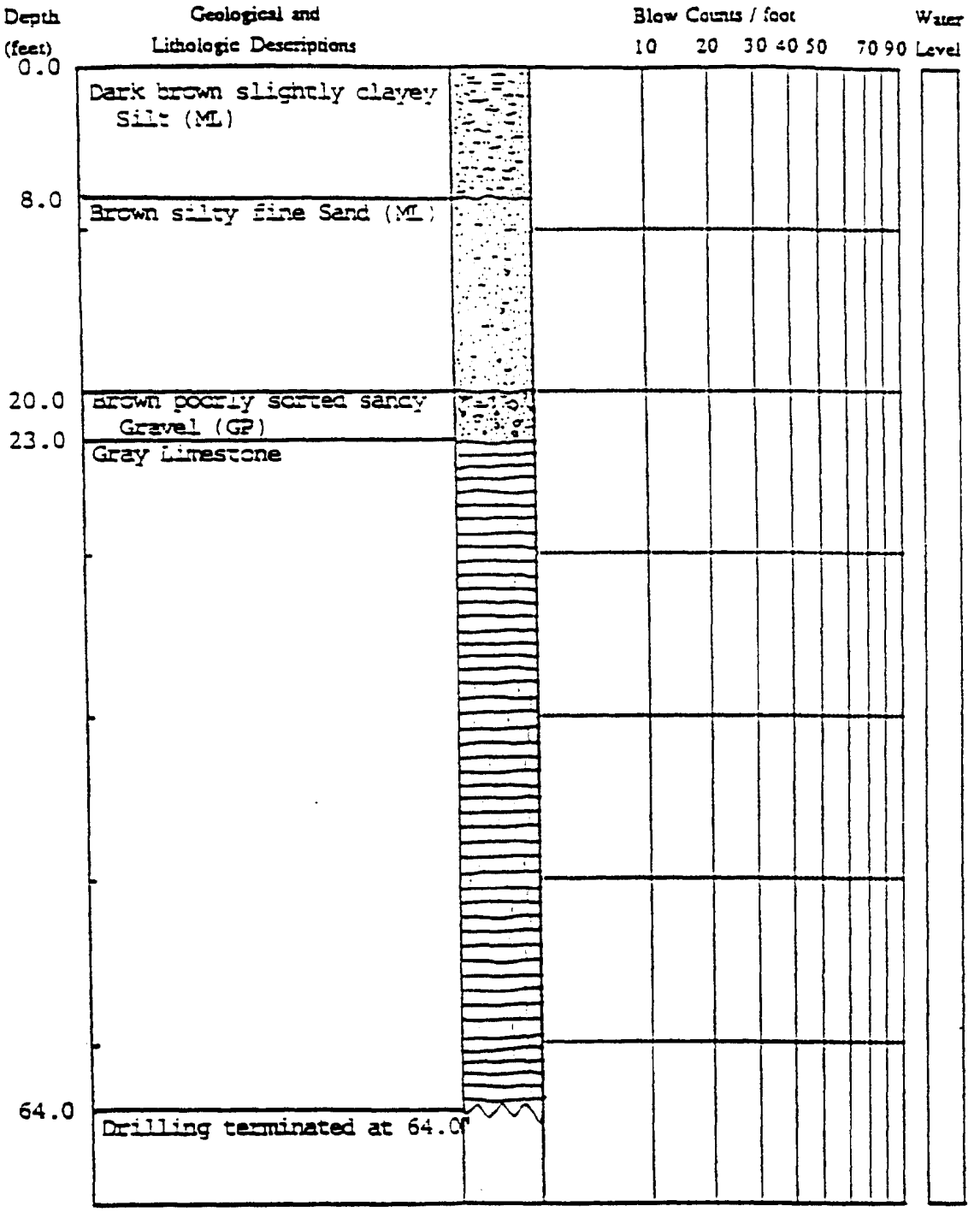
Above-Ground Well



Not to Scale

Geophex	PROJECT: Radford AAP	Job No: 194 Figure No. Site:

Source: Geophex, 1990



Boring and sampling meets ASTM D-1586: Core drilling meets ASTM D-2113: Penetration is the number of blows of 140-pound hammer falling 30 inches required to drive a 1.4-inch ID sampler one foot.

Test Boring Records

Boring No. D3D Site Radford AAP

Job No. 194 Date 900828

Geophex

Source: Geophex, 1990

Well Number: D3D | Drilling Method: Air Rotary

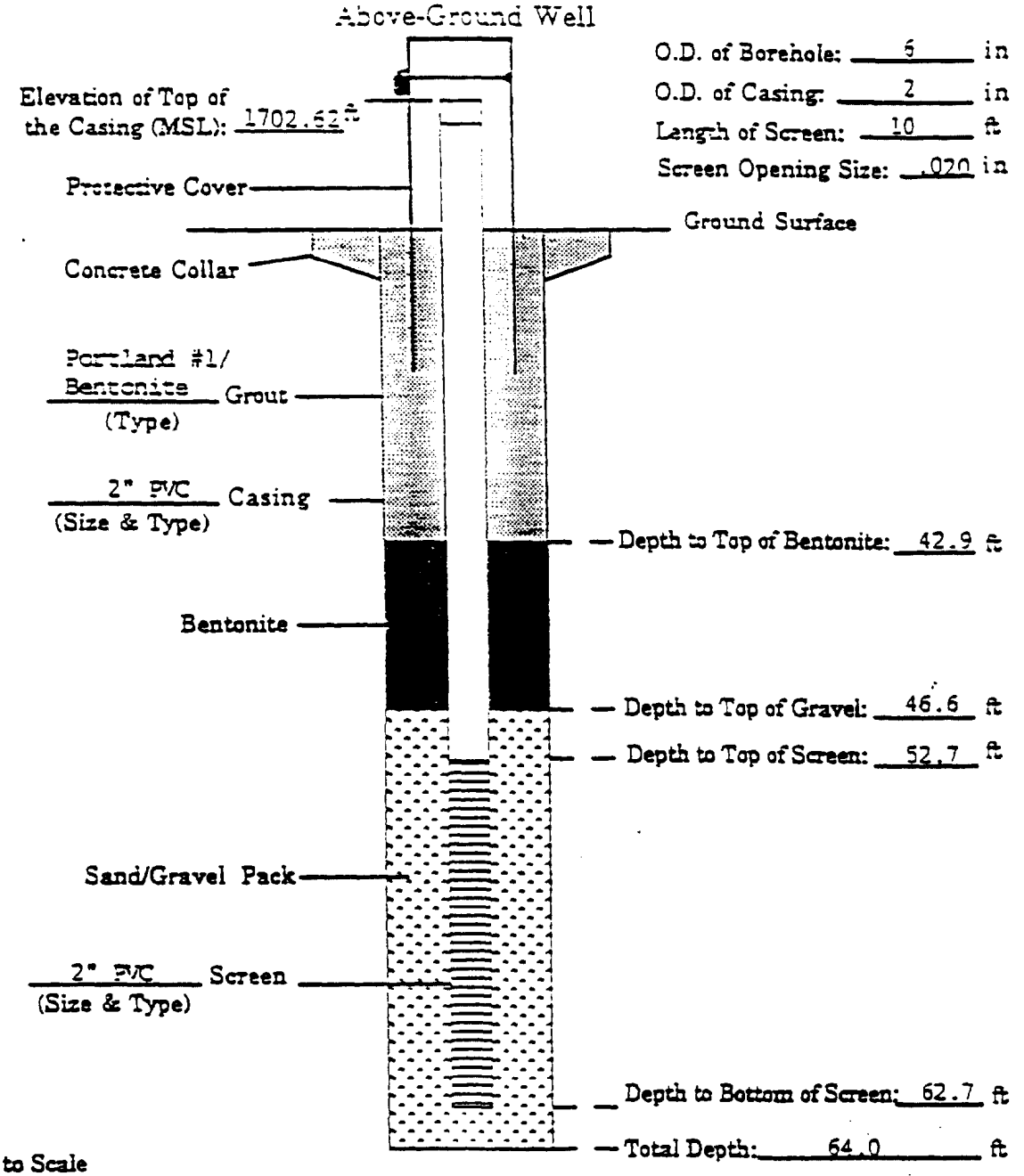
Date Started: 900828 | Drilling Fluids: Air/Water

Date Finished: 900828 | Static Water Level: 18.02 Date: 900903

Geologist/Engineer: Daw | Observed By:

Remarks: Elevation to top of casing (TOC) is relative to D3 TOC. D3 TOC is assumed to be 1702.94 feet MSL.

All depths referenced to ground surface



Not to Scale

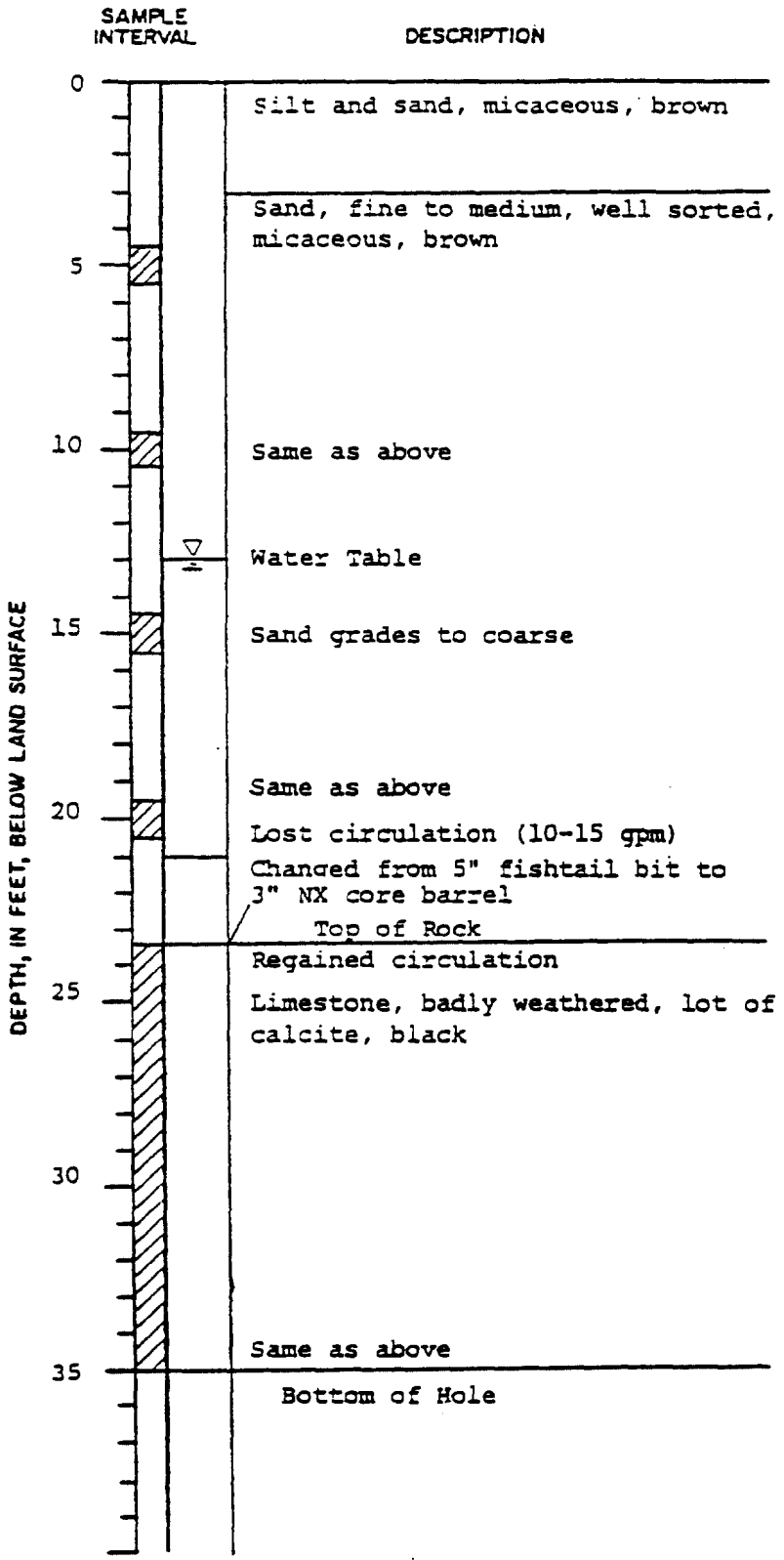
Geophex	PROJECT: Radford AAP	Job No: 194 Figure No. Site:

Source: Geophex, 1990

Geraghty & Miller, Inc.

WELL LOG

PROJECT RADFORD
CLIENT NUS
Date Prepared 8/7/80 By G F S



Source: USACE, 1981

OWNER Corps of Engineers
WELL No. D-2
LOCATION Lagoon D - Settling Ponds in use
TOPO SETTING
GROUND ELEV. 1713.12

DRILLING STARTED 8/7/80
DRILLING COMPLETED 8/8/80
DRILLER M. J. Dean
TYPE OF RIG CME-75

WELL DATA

HOLE DIAM. 5" to 23 ft; 3" to 35 ft
TOTAL DEPTH 35 ft
CASING DIAM. 2 in Timco PVC
CASING LENGTH 20 ft
SCREEN DIAM. 2
SCREEN SETTING 20-35 ft
SCREEN SLOT & TYPE .010 PVC
WELL STATUS Completed

GROUT

TYPE OF GROUT Neat cement
GROUT DEPTH 0-15 ft
VOLUME .6 cu ft
TYPE OF PLUG Bentonite
PLUG DEPTH 14-15 ft
VOLUME 1 lb

DEVELOPMENT

METHOD Air
RATE 2.1 gpm
LENGTH 40 min.

TEST DATA

STATIC DEPTH TO WATER 13.14
DATE MEASURED 8/14/80
PUMPING DEPTH TO WATER
DURATION OF TEST
PUMPING RATE
DATE OF TEST
TYPE OF TEST
PUMP SETTING
SPECIFIC CAPACITY

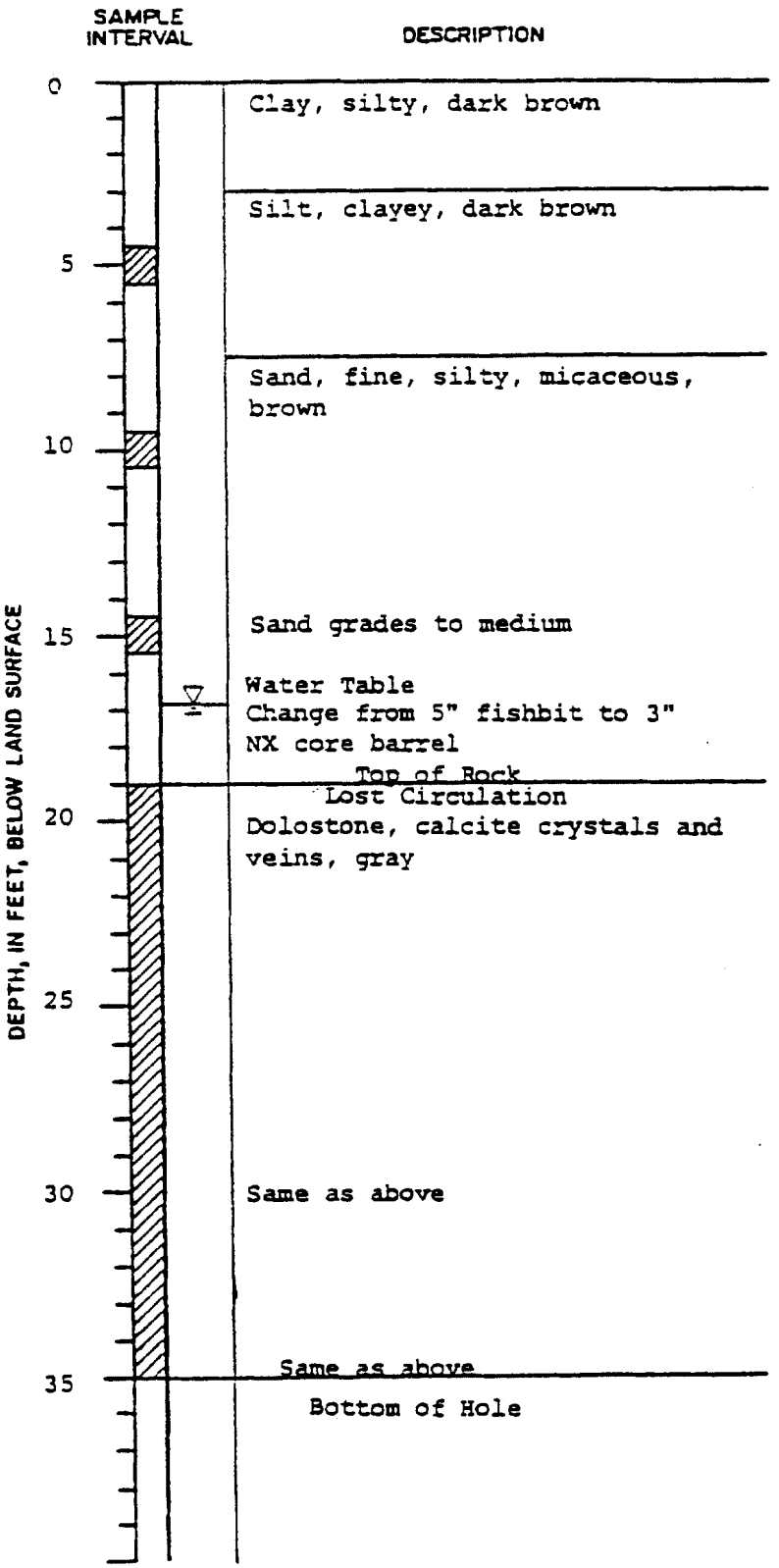
FINAL PUMP CAPACITY
FINAL PUMP SETTING
AVERAGE PUMPAGE

WATER QUALITY

Geraghty & Miller, Inc.

WELL LOG

PROJECT RADFORD
CLIENT NUS
Date Prepared 8/7/80 By G.F.S.



Source: USACE, 1981

OWNER Corps of Engineers
WELL No. D-3
LOCATION Lagoon D - Settling Ponds
TOPO SETTING
GROUND ELEV. 1699.97

DRILLING STARTED 8/7/80
DRILLING COMPLETED 8/7/80
DRILLER R. A. Monroe
TYPE OF RIG C-40

WELL DATA

HOLE DIAM. 5" to 19 ft; 3" to 35 ft
TOTAL DEPTH 35 ft
CASING DIAM. 2 in Timco PVC
CASING LENGTH 20 ft
SCREEN DIAM. 2 in
SCREEN SETTING 20-35 ft
SCREEN SLOT & TYPE .010 PVC
WELL STATUS Completed

GROUT

TYPE OF GROUT Neat cement
GROUT DEPTH 0-15 ft
VOLUME .6 cu ft
TYPE OF PLUG Bentonite
PLUG DEPTH 14-15 ft
VOLUME 1 lb

DEVELOPMENT

METHOD Air
RATE 0.25 gpm
LENGTH 25 min

TEST DATA

STATIC DEPTH TO WATER 16.74
DATE MEASURED 8/14/80
PUMPING DEPTH TO WATER
DURATION OF TEST
PUMPING RATE
DATE OF TEST
TYPE OF TEST
PUMP SETTING
SPECIFIC CAPACITY

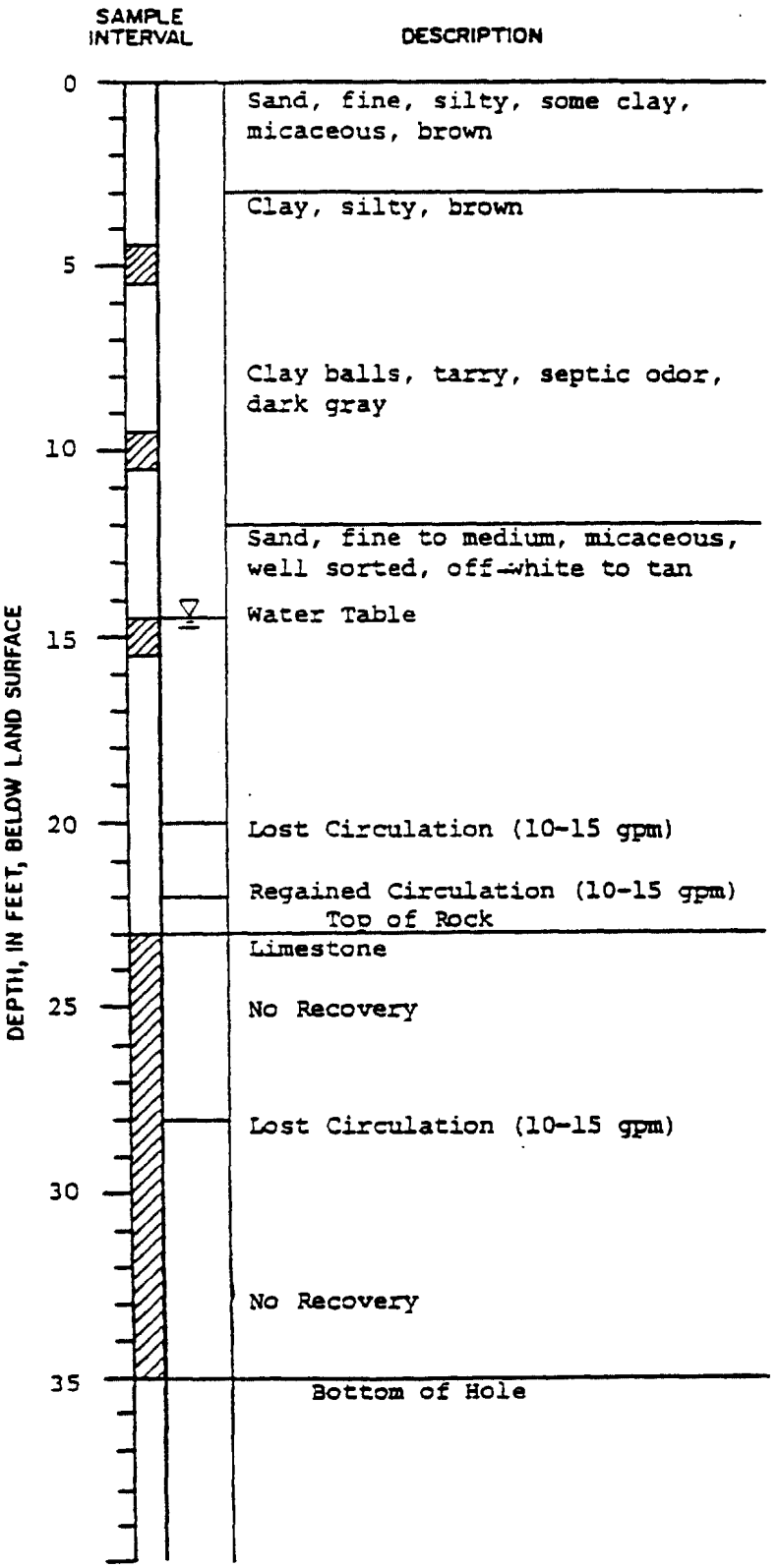
FINAL PUMP CAPACITY
FINAL PUMP SETTING
AVERAGE PUMPAGE

WATER QUALITY

Geraghty & Miller, Inc.

WELL LOG

PROJECT RADFORD
CLIENT NUS
Date Prepared 8/7/80 By G.E.S.



Source: USACE, 1981

OWNER Corps of Engineers
WELL No. D-4
LOCATION Lagoon D - Settling Ponds in use
TOPO SETTING
GROUND ELEV. 1713.44

DRILLING STARTED 8/7/80
DRILLING COMPLETED 8/7/80
DRILLER M. J. Dean
TYPE OF RIG CME-75

WELL DATA

HOLE DIAM. 5" to 23 ft; 3" to 35 ft
TOTAL DEPTH 35 ft
CASING DIAM. 2 in Timco PVC
CASING LENGTH 20 ft
SCREEN DIAM. 2 in
SCREEN SETTING 20-35 ft
SCREEN SLOT & TYPE .010 PVC
WELL STATUS Completed

GROUT

TYPE OF GROUT Neat cement
GROUT DEPTH 0-15 ft
VOLUME .6 cu ft
TYPE OF PLUG Bentonite
PLUG DEPTH 14-15 ft
VOLUME 1 lb

DEVELOPMENT

METHOD Air
RATE 0.1 gpm
LENGTH 46 min

TEST DATA

STATIC DEPTH TO WATER 14.43
DATE MEASURED 9/14/80
PUMPING DEPTH TO WATER
DURATION OF TEST
PUMPING RATE
DATE OF TEST
TYPE OF TEST
PUMP SETTING
SPECIFIC CAPACITY

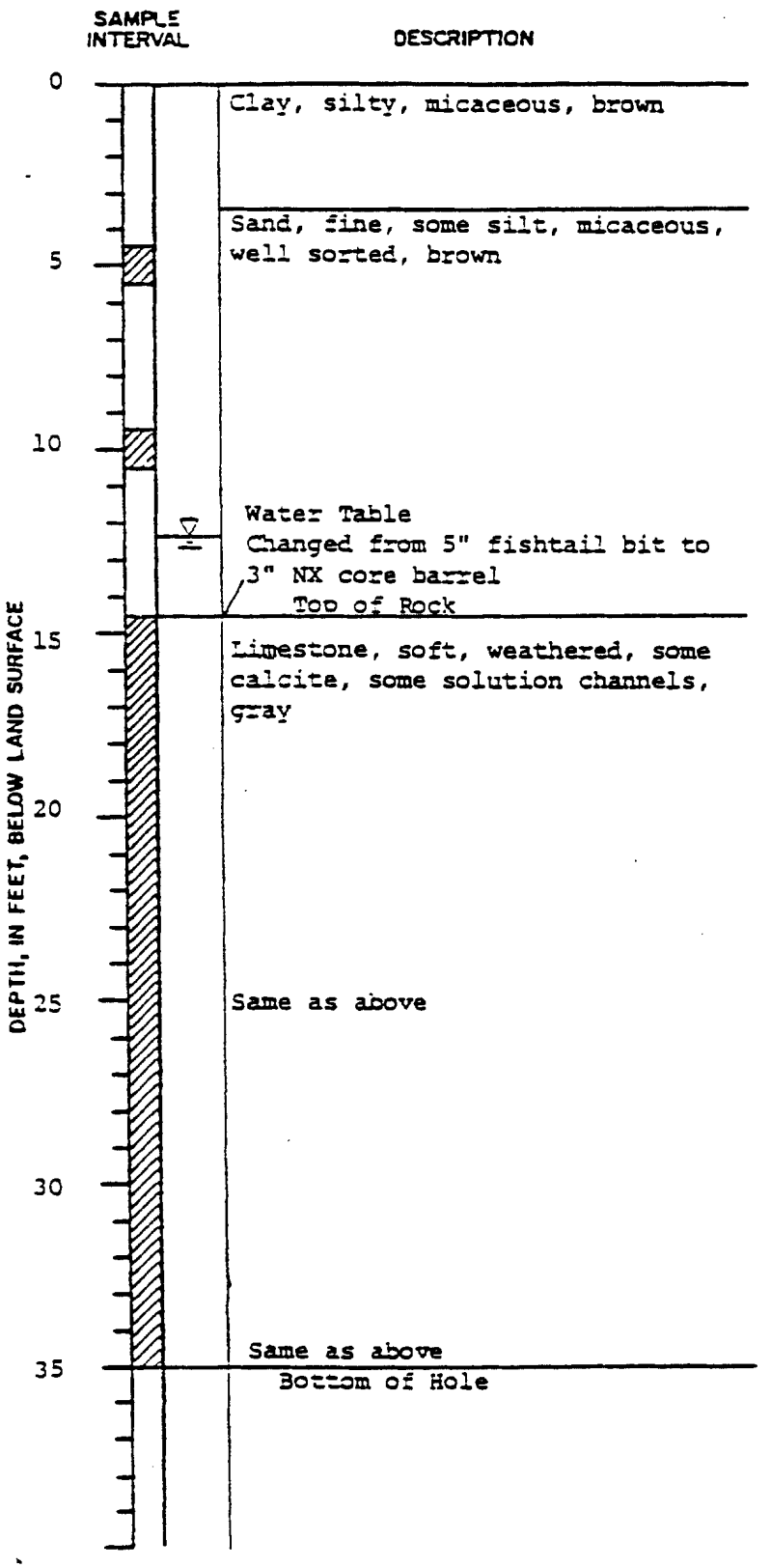
FINAL PUMP CAPACITY
FINAL PUMP SETTING
AVERAGE PUMPAGE

WATER QUALITY

. Geraghty & Miller, Inc.

WELL LOG

PROJECT RADFORD
CLIENT NUS
Date Prepared 8/7/80 By G.F.S.



Source: USACE, 1981

OWNER Corps of Engineers
WELL No. D-5
LOCATION Lagoon D - Settling Ponds in use
TOPO SETTING
GROUND ELEV. 1696.12

DRILLING STARTED 8/7/80
DRILLING COMPLETED 8/9/80
DRILLER R. A. Monroe
TYPE OF RIG C-40

WELL DATA

HOLE DIAM. 5" to 14.5 ft; 3" to 35 ft
TOTAL DEPTH 35 ft
CASING DIAM. 2 in Timco PVC
CASING LENGTH 20 ft
SCREEN DIAM. 2 in
SCREEN SETTING 20-35 ft
SCREEN SLOT & TYPE .010 PVC
WELL STATUS Completed

GROUT

TYPE OF GROUT Neat cement
GROUT DEPTH 0-15 ft
VOLUME .6 cu ft
TYPE OF PLUG Bentonite
PLUG DEPTH 14-15 ft
VOLUME 1 lb

DEVELOPMENT

METHOD Air
RATE 0.2 gpm
LENGTH 47 min

TEST DATA

STATIC DEPTH TO WATER 12.35
DATE MEASURED 8/12/80
PUMPING DEPTH TO WATER
DURATION OF TEST
PUMPING RATE
DATE OF TEST
TYPE OF TEST
PUMP SETTING
SPECIFIC CAPACITY

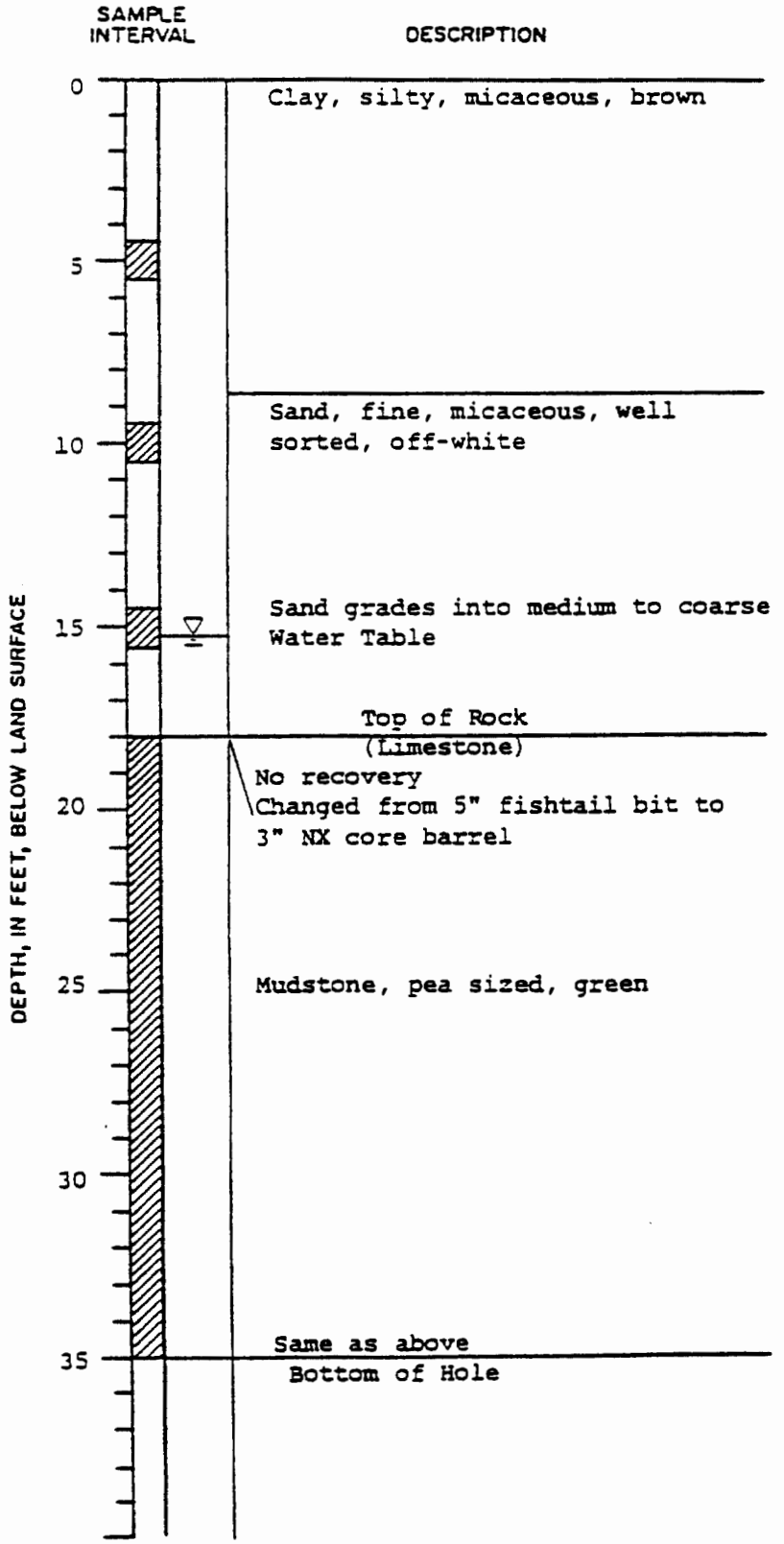
FINAL PUMP CAPACITY
FINAL PUMP SETTING
AVERAGE PUMPAGE

WATER QUALITY

Geraghty & Miller, Inc.

WELL LOG

PROJECT RADFORD
CLIENT NUS
Date Prepared 8/8/80 By G.E.S.



Source: USACE, 1981

OWNER Corps of Engineers
WELL No. D-6
LOCATION Lagoon D - Settling Ponds in use
TOPO SETTING
GROUND ELEV. 1699.64

DRILLING STARTED 8/8/80
DRILLING COMPLETED 8/11/80
DRILLER R. A. Monroe
TYPE OF RIG C-40

WELL DATA

HOLE DIAM. 5" to 18 ft; 3" to 35 ft
TOTAL DEPTH 35 ft
CASING DIAM. 2 in Timco PVC
CASING LENGTH 20 ft
SCREEN DIAM. 2 in
SCREEN SETTING 20-35 ft
SCREEN SLOT & TYPE .010 PVC
WELL STATUS Completed

GROUT

TYPE OF GROUT Neat cement
GROUT DEPTH 0-15 ft
VOLUME .6 cu ft
TYPE OF PLUG Bentonite
PLUG DEPTH 14-15 ft
VOLUME 1 lb

DEVELOPMENT

METHOD Air
RATE 3 gpm
LENGTH 55 min

TEST DATA

STATIC DEPTH TO WATER 15.40
DATE MEASURED 8/13/80
PUMPING DEPTH TO WATER
DURATION OF TEST
PUMPING RATE
DATE OF TEST
TYPE OF TEST
PUMP SETTING
SPECIFIC CAPACITY

FINAL PUMP CAPACITY
FINAL PUMP SETTING
AVERAGE PUMPAGE

WATER QUALITY

Hole No. DH-2

DRILLING LOG

DIVISION: NAD

INSTALLATION: NAO

SHEET 1 OF 1 SHEETS

1. PROJECT: RCRA STUDY - LAGOON D
2. LOCATION (Coordinates or Station): N 319,070 E1,407,780
3. DRILLING AGENCY: CUNNINGHAM CORE DRILLING
4. HOLE NO. (As shown on drawing title) and (Bin number): DH-2
5. NAME OF DRILLER: BOB MONROE
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 17.5
8. DEPTH DRILLED INTO ROCK: 12.5
9. TOTAL DEPTH OF HOLE: 30.0
10. SIZE AND TYPE OF BIT: 2" O.D. SS: NX DIA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: SPRAGUE & HENWOOD 40C
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED 1
14. TOTAL NUMBER CORE BOXES: 1
15. ELEVATION GROUND WATER: 1684.9
16. DATE HOLE: STARTED 16 JULY 80; COMPLETED 16 JULY 80
17. ELEVATION TOP OF HOLE: 1699.0
18. TOTAL CORE RECOVERY FOR BORING: 5.9 34.6 %
19. SIGNATURE OF INSPECTOR: William G. Barker

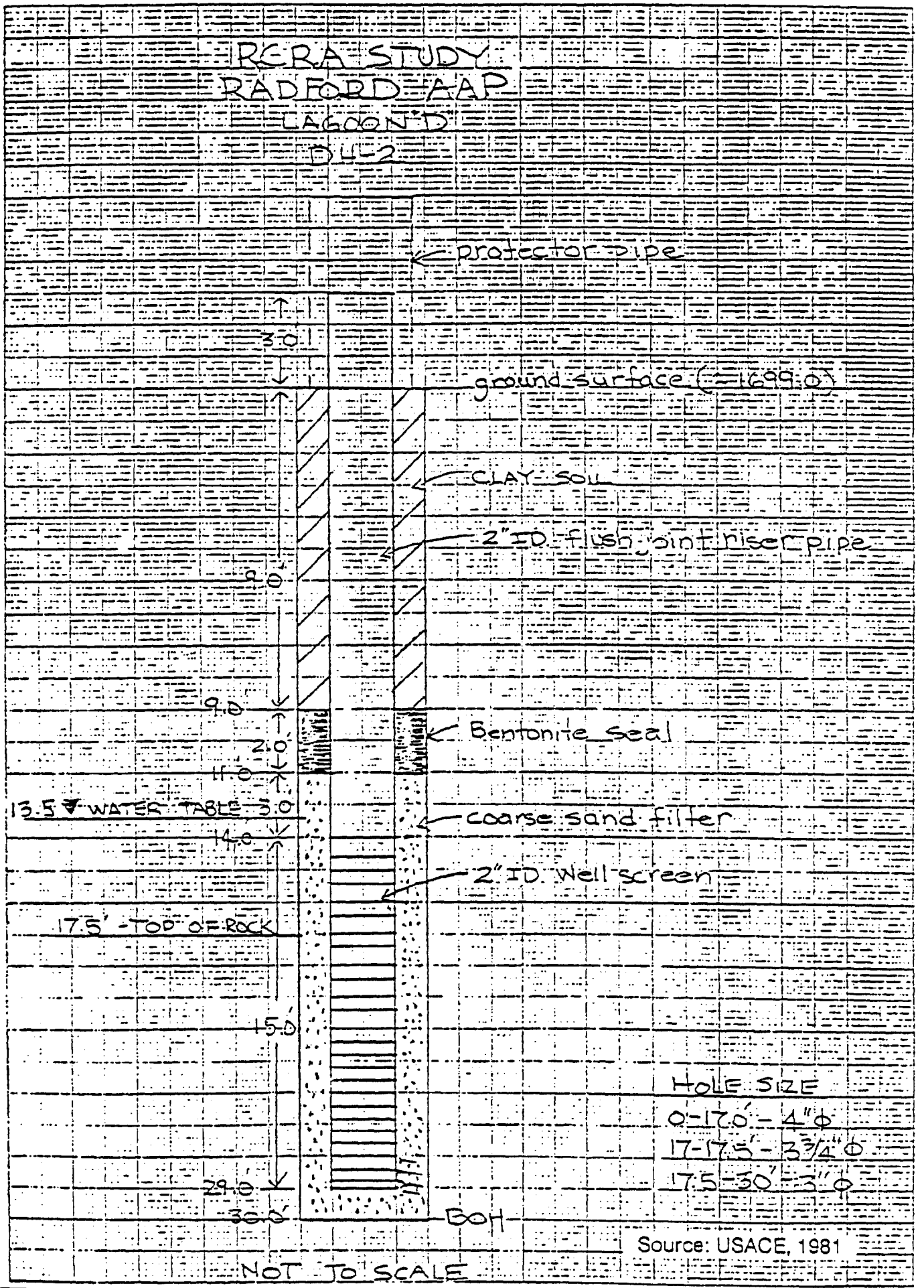
ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (Description) (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) (g)	
			3" topsoil	100	S-1	Split Spoon	2-2-4
			(ML) SILT, some v. fn sand, brn, slt. plast, moist tr. organics			advanced w/4" fishtail	
	4.5					k(0-5) = 0	
			(SM) SAND, v. fn-fn, little silt, brn, NP, v. moist	100	S-2	Split Spoon	1-2-3
						k(0-10) = .1 ft/day	
			same (SM) in shelby tube v. moist	100	UD-1	Shelby tube-push	
						k(0-15) = .49 ft/day k(0-17) = .81 ft/day	
			less silt and little med. sand w/depth, saturated	100	S-3	Split Spoon	1-1-14
	16.0						
	17.0		(GP) GRAVEL, some fn-crs sand & cobbles, saturated	100	S-4	Split Spoon	17-30/.4
			Top of rock @ 17.5	35	Run 1 .9	Set casing to 18.0 NX Core: RQD = 0	
			LIMESTONE BRECCIA, blue gray angular fragments w/clayey silty matrix, badly weathered, soft to mod. hard more fragments than core pieces	50%	Run 2 Box 1	k(17.5-30) = .49 ft/day NX Core RQD = 0	
					5.0		
	30.0		BOH - 30.0			Well installation took 2.0 hours	
			Water of completion:	13.5'			
			Water after 24 hrs:	14.1'			

Source: USACE, 1981

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE. (TRANSLUCENT)

PROJECT: RCRA STUDY - LAGOON D

HOLE NO. DH-2


RCRA STUDY
RADFORD AAP
LAGOON "D"
DL-2
protector pipe
3.0
ground surface (=1699.0)
CLAY SOIL
2" ID flush joint riser pipe
9.0
9.0
Bentonite Seal
2.0
11.0
13.5 WATER TABLE 3.0
coarse sand filter
14.0
2" ID Well screen
17.5' - TOP OF ROCK
15.0
HOLE SIZE
0-17.0' - 4" ϕ
17-17.5' - 3 3/4" ϕ
17.5-30' - 3" ϕ
29.0
30.0'
BOH
NOT TO SCALE
Source: USACE, 1981

Hole No. DH-4

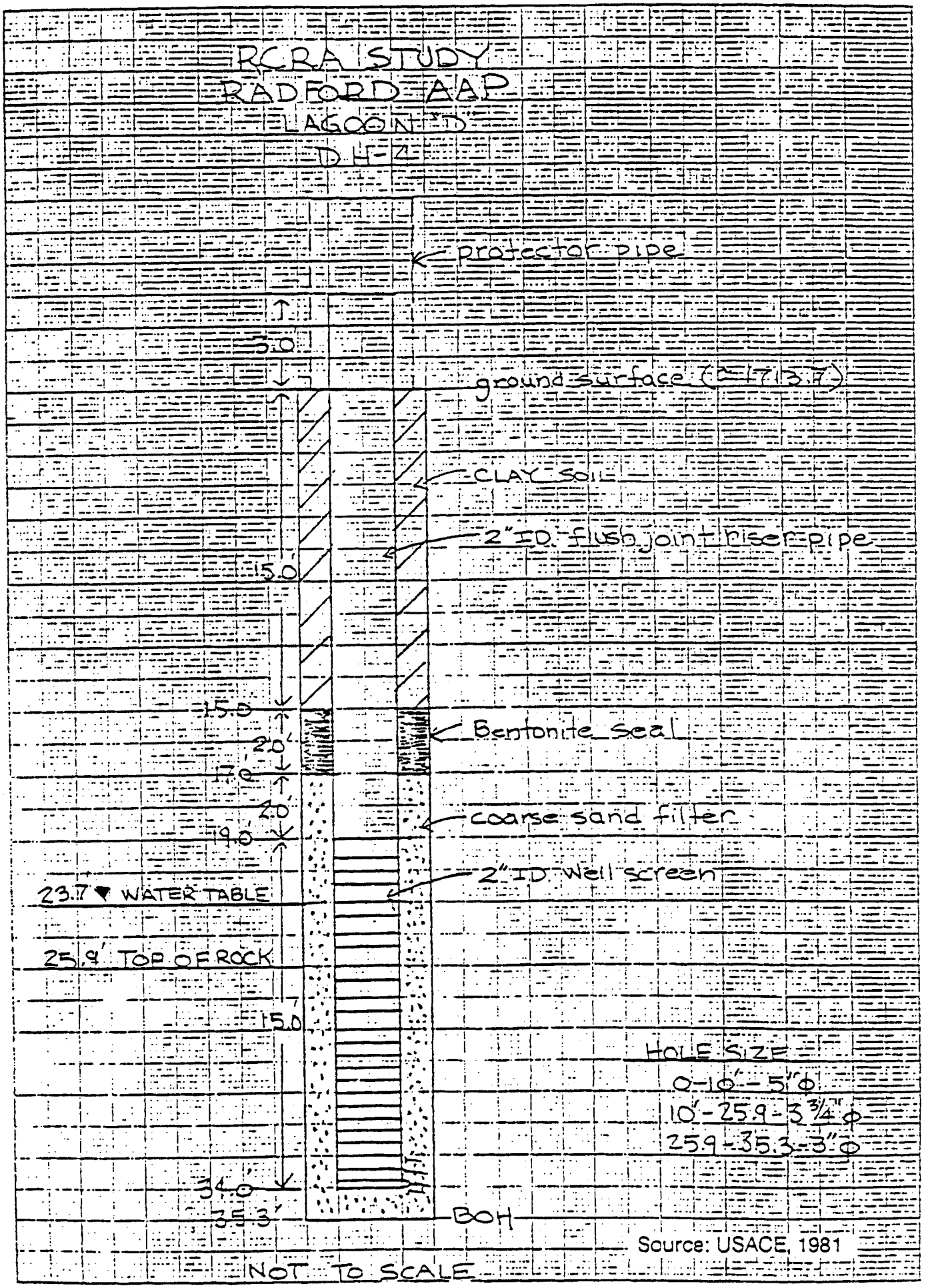
DRILLING LOG	DIVISION: NAD	INSTALLATION: NAO	SHEET 1 OF 1 SHEETS
1. PROJECT: RCRA STUDY - LAGOON D		10. SIZE AND TYPE OF BIT: 2" O.D. SS: NX DIA	
2. LOCATION (Coordinates or Station): N 318,740 E1,407,610		11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL	
3. DRILLING AGENCY: CUNNINGHAM CORE DRILLING		12. MANUFACTURER'S DESIGNATION OF DRILL: SPRAGUE & HENWOOD 40C	
4. HOLE NO. (As shown on drawing title) and file number: DH-4		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: DISTURBED 4 / UNDISTURBED 0	
5. NAME OF DRILLER: BOB MONROE		14. TOTAL NUMBER CORE BOXES: 1	
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER: 1690.0	
7. THICKNESS OF OVERBURDEN: 25.9		16. DATE HOLE: STARTED 17 JULY 80 / COMPLETED 18 JULY 80	
8. DEPTH DRILLED INTO ROCK: 9.4		17. ELEVATION TOP OF HOLE: 1713.7	
9. TOTAL DEPTH OF HOLE: 34.3		18. TOTAL CORE RECOVERY FOR BORING: 8.5 89 %	
		19. SIGNATURE OF INSPECTOR: William A Barker	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			2" Topsoil	100	S-1	Split Spoon/6-6-5
1710.2	3.5		(ML) SILT, little v. fn-fn sand, brn, slt plast. moist to dry			K (0-5) = 0
			(SM) SAND, fn-fn some mica silt, tr. clay, slt plast moist, yel.brn	100	S-2	Split Spoon 4-6-8
1704.7	9.0					K (5-10) = .87 ft/day set 4" casing to 10.0
			same (SM) w/some gravel and cobbles	100	S-3	Split Spoon 12-25-25
1701.2	12.5		(GP) Gravels & Cobbles, some fn-crs sand, tr silt			K (10-15) = 2.45 ft/day
				0	S-4	Split Spoon 15-30/.4
						no recovery on S-4 advanced casing to 20' K (15-20) = 6.16 ft/day
1693.7	20.0		(GC) Gravels and Sand fn-crs, some silt & clay, yel. brn, low plast saturated, very soft			hole caved below casing K (20-25.9) = 23.6 ft/day Split Spoon - WT of hammer from 20 - 25.9 set casing in Tork to 26
1687.8	25.9		Cored river jack 25.9-26.1 Dolomitic limestone, blue gray, thin-med bedded, dipping 25-30° w/zones of irregular bedding dipping up to 70°, v. fn grained, mod hard, SW weathered, many calcite healed fractures, some calcite filled vugs, largest core piece - 13", average = 5", smallest =	89%	Run 1 Box 1 84	NX Core RQD = 40% K (25.9 - 35.3) = 13.7 ft/day No pressure
1679.4	34.3		BOH - 34.3			Water at completion -23.7 Water after 14hrs. hole size 0 - 10 -5" 10-25.9 -3 3/4" 25.9 - 35.3 -3" time of well installation was 2.75 hrs.

Source: USACE, 1981

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE. (TRANSLUCENT)

PROJECT: RCRA STUDY - LAGOON D | HOLE NO.: DH-4


RCRA STUDY
RADFORD AAP
LAGOON "D"
D-2
protector pipe
3.0
ground surface (≈ 1713.7)
CLAY SOIL
2" ID flush joint riser pipe
15.0
15.0
2.0
17.0
2.0
19.0
Bentonite seal
coarse sand filter
2" ID Well screen
23.7 ▼ WATER TABLE
25.9' TOP OF ROCK
15.0
HOLE SIZE
0-10'-5"ϕ
10'-25.9-3 3/4"ϕ
25.9-35.3-3"ϕ
34.0
35.3'
BOH
Source: USACE, 1981
NOT TO SCALE

RCRA
Facility Investigation
Radford Army Ammunition Plant
Radford, Virginia

Monitoring Well Locations & Elevations
for
Dames & Moore

Site	Well	Top Elev. Inner (pvc) Pipe	Top Elev. Outer Casing	Top Elev. Concrete Pad	Ground Elev. At Well (Average)	Coordinates (Northing Easting)
SWMU-10	10MW1	1703.62	1703.84	1701.74	1701.28	319,145 1,407,606
	D-3	1702.95	1702.61	NO PAD.	1700.51	319,112 1,407,702
	D-4	1714.38	1716.20	NO PAD	1713.42	318,631 1,407,800
	DDH2	1702.53	1702.10	NO PAD	1700.78	319,070 1,407,776
	DDH4	1715.85	1715.38	NO PAD	1713.16	318,741 1,407,605
	DG-1	1712.08	1712.27	NO PAD	1709.96	318,836 1,407,437
	D3D	1702.64	1703.00	NO PAD	1700.70	319,122 1,407,687
SWMU-13	13MW1	1701.44	1701.61	1699.11	1698.66	319,276 1,410,626
	13MW2	1702.62	1702.84	1701.76	1701.21	319,195 1,409,898
	13MW3	1694.47	1695.02	1693.81	1693.41	318,977 1,409,732
	13MW4	1696.40	1696.60	1695.56	1695.18	319,015 1,410,103
	13MW5	1696.40	1696.60	1695.51	1695.26	319,028 1,410,475
	13MW6	1696.05	1696.27	1694.31	1693.81 85	319,091 1,410,872
	13MW7	1695.21	1695.42	1694.11	1693.81 77	319,115 1,411,091

correction made via phone call

REVISED 12/31/91 VA. STATE PLANE COORDINATES (1927) SHOWN.

SHEET NO. 1 OF 1

ANDERSON AND ASSOCIATES, Inc.
Engineers Surveyors Planners
Blacksburg, Virginia

CALC	CHECKED	DATE	DOCUMENT NO.
CBK	ROC	18 DEC 91	08485005

RCRA
Facility Investigation
Radford Army Ammunition Plant
Radford, Virginia

Monitoring Well Locations & Elevations
for
Dames & Moore

SITE SWMU-8
(NEAR WASTE WATER TREATMENT PLANT)

Well	Top Elev. Inner (pvc) Pipe	Top Elev. Outer Casing	Top Elev. Concrete Pad	Ground Elev. At Well (Average)	Va. State Plane Coordinates (1927) (Northing Easting)
D1	1717.82	1717.49	1715.55	1715.22	318,490 1,408,129
D2	1716.23	1715.68	1713.70	1713.33	318,588 1,407,926
D5	1699.26	1698.69	1696.65	1696.28	318,926 1,407,983
D6	1702.45	1701.95	1699.91	1699.74	318,811 1,408,157
D7	1703.84	1703.31	1701.44	1701.15	318,674 1,408,500
D8	1714.68	1714.49	1712.52	1712.14	318,355 1,408,458
DDH1	1703.47	1702.77	1700.68	1700.44	318,705 1,408,410
DDH3	1718.53	1717.74	1715.84	1715.58	318,397 1,408,314

SITE SWMU-0
(NEAR BUILDING 6201)

Well	Top Elev. Inner Pipe (Stainless)	Top Elev. Outer Casing	Top Elev. Concrete Pad	Ground Elev. At Well (Average)	Va. State Plane Coordinates (1927) (Northing Easting)
OMW2	1778.60	1778.85	1776.40	1776.11	315,558 1,407,427

PLOT 1=1

ANDERSON AND ASSOCIATES, Inc.
Engineers
Surveyors
Planners
Blacksburg, VA
Greensboro, NC

DRAWN	SCALE	DATE	DOCUMENT NO.
KJD	----	09 AUG 93	10523004

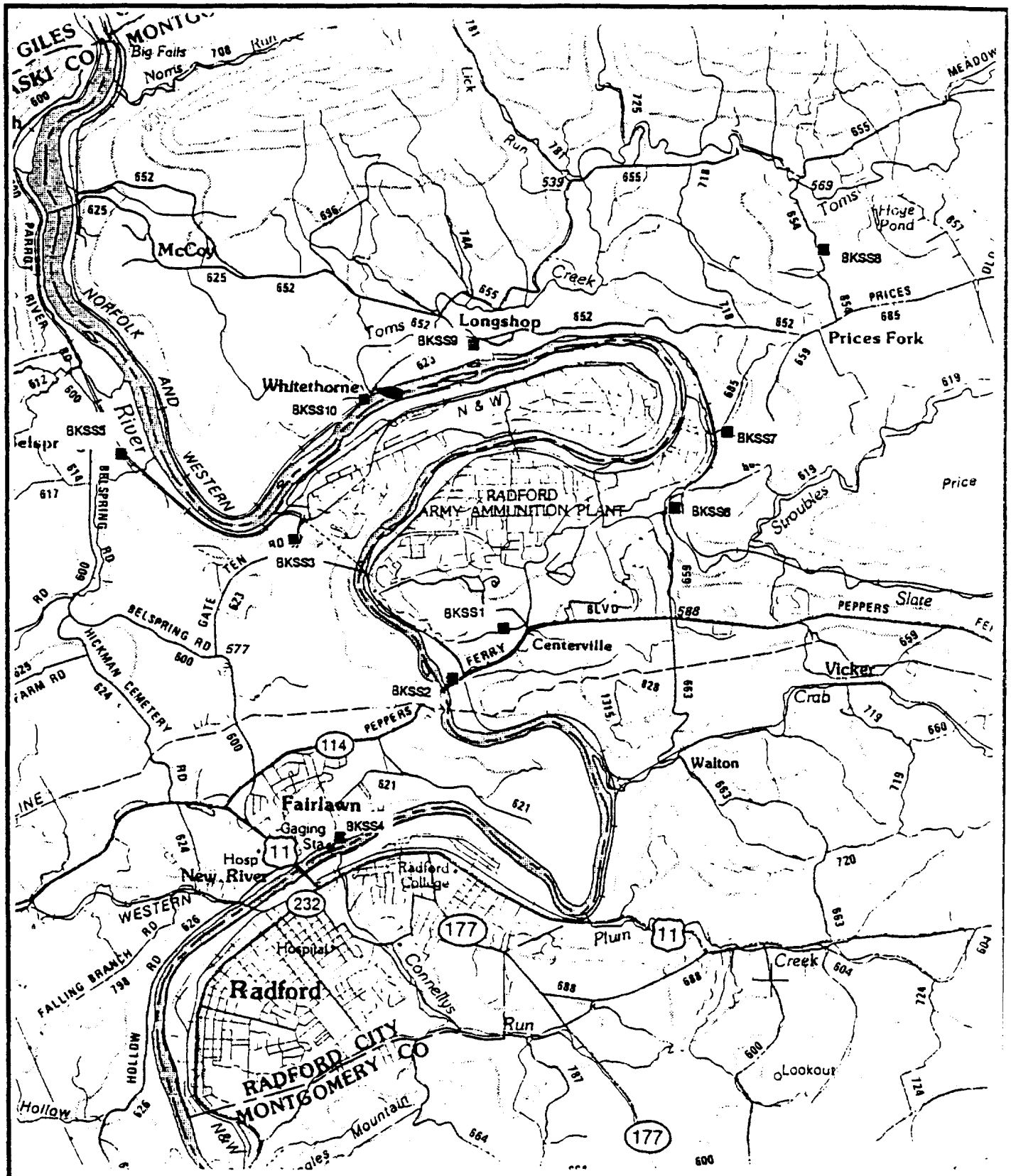
ACAD 10523004

INDEX NO. A-10523-4

INDEX NO. A-10523-4

Appendix C

Supporting Information From Final Draft VI Report



LEGEND:

■ Soil Sample

FIGURE 4–1
BACKGROUND SOIL SAMPLING LOCATIONS
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

Scale 1:75,000

Table 4-13
Calculation of Background Comparison Levels
Radford Army Ammunition Plant, Virginia

Site ID	BKSS1	BKSS2	BKSS3	BKSS4	BKSS5	BKSS6	BKSS7	BKSS8	BKSS9	BKSS10	Statistical Values		Background Comparison Level
Site Type	PLUG	PLUG	PLUG	PLUG	PLUG	PLUG	PLUG	PLUG	PLUG	PLUG			
Field ID	RVFS*88	RVFS*52	RVFS*49	RVFS*51	RVFS*64	RVFS*89	RVFS*90	RVFS*65	RVFS*113	RVFS*66			
Date	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92			
Depth	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	Mean	Std. Dev.	Mean + 2*(Std. Dev)
Analyte													
Aluminum	19100	12200	9710	16800	7620	9730	6830	16600	8380	10500	11747	4290	20328
Antimony	7.14 LT	7.14 LT	7.14 LT	9.78	7.14 LT	7.14 LT	7.14 LT	7.14 LT	7.14 LT	7.14 LT	7.40	0.83	9.07
Arsenic	5.380	5.980	6.420	3.450	3.490	8.070	3.520	7.320	3.790	4.000	5.14	1.73	8.61
Barium	56.5	152.0	74.2	180.0	88.5	143.0	70.5	103.0	66.1	147.0	108.08	43.75	195.58
Beryllium	0.922	0.500 LT	0.799	0.720	0.500 LT	0.500 LT	0.500 LT	0.811	0.500 LT	0.802	0.66	0.17	1.00
Cadmium	0.700 LT	1.070	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.74	0.12	0.97
Calcium	6270	27100	19600	78000	41300	12300	100000	23200	3580	7430	31878	32565	97006
Chromium	32.00	20.70	39.80	20.20	12.50	16.70	13.00	28.50	25.90	21.30	23.06	8.61	40.29
Cobalt	22.10	11.50	19.70	9.19	4.00	13.30	5.04	12.90	12.50	13.60	12.38	5.63	23.65
Copper	22.60	15.40	23.40	13.30	12.80	42.60	14.00	16.30	7.86	18.80	18.71	9.60	37.90
Iron	28600	40800	31300	22900	11200	29500	10500	25100	16900	25900	24270	9362	42993
Lead	255.00	264.00	80.80	75.60	27.00	10.50 LT	62.30	10.50 LT	27.40	68.10	88.12	94.01	276.13
Magnesium	16200	9780	11200	31800	22800	4650	41200	12800	2370	5760	15856	12571	40997
Manganese	400	1950	436	1000	221	914	199	298	892	927	724	536	1795
Mercury (Lev2)	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05	0.00	0.05
Nickel	27.40	18.40	24.50	15.60	6.20	24.10	11.30	27.40	11.00	18.50	18.44	7.41	33.25
Potassium	3160	1430	1520	4180	795	1320	1460	2590	656	1690	1880	1104	4088
Selenium	0.250 LT	0.250 LT	0.250 LT	0.250 LT	0.250 LT	0.541	0.250 LT	0.250 LT	0.250 LT	0.250 LT	0.28	0.09	0.46
Silver	1.050	1.540	1.030	1.670	1.060	1.200	1.570	1.050	0.589 LT	1.020	1.18	0.33	1.83
Sodium	211	382	246	278	258	235	299	226	205	239	258	52	362
Thallium	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62	0.00	6.62
Vanadium	55.70	32.30	60.40	36.60	28.10	19.90	23.40	36.50	27.70	28.90	34.95	13.28	61.50
Zinc	345.00	840.00	58.30	284.00	69.70	60.40	73.20	63.90	36.10	283.00	211	250	711

1) All data values are IRDMIS Level 3, except for mercury.
2) Units are in micrograms per gram (UGG).
3) LT = Less than the detection limit.

Table 4–14
Calculation of Background Comparison Levels for Upland Soils
Radford Army Ammunition Plant, Virginia

Site ID	BKSS1	BKSS3	BKSS7	BKSS8	BKSS9	Statistical Values		Background Comparison Level
Site Type	PLUG	PLUG	PLUG	PLUG	PLUG			
Field ID	RVFS*88	RVFS*49	RVFS*90	RVFS*65	RVFS*113			
Date	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92			
Depth	0.500	0.500	0.500	0.500	0.500	Mean	Std. Dev.	Mean + 2*(Std. Dev)
Analyte								
Aluminum	19100	9710	6830	16600	8380	12124	5398.4	22921
Antimony	7.14 LT	7.14 LT	7.14 LT	7.14 LT	7.14 LT	7.14	0	7.14
Arsenic	5.380	6.420	3.520	7.320	3.790	5.286	1.6423	9
Barium	56.5	74.2	70.5	103.0	66.1	74.06	17.478	109
Beryllium	0.922	0.799	0.500 LT	0.811	0.500 LT	0.7064	0.1944	1.10
Cadmium	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.7	0	0.70
Calcium	6270	19600	100000	23200	3560	30526	39734	109994
Chromium	32.00	39.80	13.00	28.50	25.90	27.84	9.8078	47.46
Cobalt	22.10	19.70	5.04	12.90	12.50	14.448	6.7238	27.90
Copper	22.60	23.40	14.00	16.30	7.86	16.832	6.4267	29.69
Iron	28600	31300	10500	25100	16900	22480	8613.5	39707
Lead	255.00	80.80	62.30	10.50 LT	27.40	87.2	97.822	282.84
Magnesium	16200	11200	41200	12800	2370	16754	14588	45931
Manganese	400	436	199	298	892	445	266.48	978
Mercury (Lev2)	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05	0	0.05
Nickel	27.40	24.50	11.30	27.40	11.00	20.32	8.455	37.23
Potassium	3160	1520	1460	2590	656	1877.2	993.31	3864
Selenium	0.250 LT	0.250 LT	0.250 LT	0.250 LT	0.250 LT	0.25	0	0.25
Silver	1.050	1.030	1.570	1.050	0.589 LT	1.0578	0.3475	1.75
Sodium	211	246	299	226	205	237.4	37.899	313.20
Thallium	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62	0	6.62
Vanadium	55.70	60.40	23.40	36.50	27.70	40.74	16.576	73.89
Zinc	345.00	58.30	73.20	63.90	36.10	115.3	129.13	373.56

1) All data values are IRDMIS Level 3, except for mercury.
2) Units are in micrograms per gram (UGG).
3) LT = Less than the detection limit.

Table 4–15
Calculation of Background Comparison Levels For Alluvial Soils
Radford Army Ammunition Plant, Virginia

Site ID	BKSS2	BKSS4	BKSS5	BKSS6	BKSS10	Statistical Values		Background Comparison Level
Site Type	PLUG	PLUG	PLUG	PLUG	PLUG			
Field ID	RVFS*52	RVFS*51	RVFS*64	RVFS*89	RVFS*66			
Date	03/10/92	03/10/92	03/10/92	03/10/92	03/10/92			
Depth	0.500	0.500	0.500	0.500	0.500	Mean	Std. Dev.	Mean + 2*(Std. Dev)
Analyte								
Aluminum	12200	16800	7620	9730	10500	11370	3452.6	18275
Antimony	7.14 LT	9.78	7.14 LT	7.14 LT	7.14 LT	7.668	1.1806	10.03
Arsenic	5.980	3.450	3.490	8.070	4.000	4.998	2.0042	9.01
Barium	152.0	180.0	88.5	143.0	147.0	142.1	33.287	209
Beryllium	0.500 LT	0.720	0.500 LT	0.500 LT	0.802	0.6044	0.1459	0.90
Cadmium	1.070	0.700 LT	0.700 LT	0.700 LT	0.700 LT	0.774	0.1655	1.10
Calcium	27100	78000	41300	12300	7430	33226	28332	89890
Chromium	20.70	20.20	12.50	16.70	21.30	18.28	3.6935	25.67
Cobalt	11.50	9.19	4.00	13.30	13.60	10.318	3.9449	18.21
Copper	15.40	13.30	12.80	42.60	18.80	20.58	12.534	45.65
Iron	40800	22900	11200	29500	25900	26060	10723	47506
Lead	264.00	75.60	27.00	10.50 LT	68.10	89.04	101.55	292.14
Magnesium	9780	31800	22800	4650	5760	14958	11862	38682
Manganese	1950	1000	221	914	927	1002.4	616.85	2236
Mercury (Lev2)	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05 LT	0.05	0	0.05
Nickel	18.40	15.60	6.20	24.10	18.50	16.56	6.5622	29.68
Potassium	1430	4180	795	1320	1690	1883	1324.7	4532
Selenium	0.250 LT	0.250 LT	0.250 LT	0.541	0.250 LT	0.3082	0.1301	0.57
Silver	1.540	1.670	1.060	1.200	1.020	1.298	0.2918	1.88
Sodium	382	278	258	235	239	278.4	60.385	399
Thallium	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62 LT	6.62	0	6.62
Vanadium	32.30	36.60	28.10	19.90	28.90	29.16	6.1675	41.49
Zinc	840.00	284.00	69.70	60.40	283.00	307.42	317.14	942

1) All data values are IRDMIS Level 3, except for mercury.
2) Units are in micrograms per gram (UGG).
3) LT = Less than the detection limit.

5.0 WASTE CHARACTERIZATION INVESTIGATIONS

5.1 CALCIUM SULFATE AT SWMU 8, SWMU 9, SWMU 36, SWMU 37, SWMU 38, SWMU 50, AND SWMU Q

5.1.1 Background and Environmental Setting

5.1.1.1 SWMU Histories. The Calcium Sulfate Areas include SWMUs 8, 9, 35, 36, 37, 38, Q, 50, and the disposal area near SWMU 38. SWMU 35 has been combined with SWMU 10 for the VI and is discussed in Section 7.0.

SWMU 8, Calcium Sulfate Settling Lagoons (A-B Line Acidic Wastewater), consists of two unlined, below-grade earthen lagoons located in the northeast section of the Main Manufacturing Area along the south bank of the New River (Figure 5-1). Each rectangular lagoon is approximately 200 feet long, 150 feet wide, and 10 feet deep. It is estimated that these currently active lagoons began operation in the early 1950s during the Korean War (USACE, 1981). The lagoons are operated on an alternating basis to accommodate maintenance and dredging. The adjacent sludge drying beds are at SWMU 36.

SWMU 8 manages neutralized, formerly acidic wastewater from the A-B Line Acidic Wastewater Treatment Plant (SWMU 19). The neutralization process that takes place at the treatment plant is as follows:

$Ca(OH)_2$	+	H_2SO_4	==>	$CaSO_4$	+	$2H_2O$
(Hydrated lime)		(Sulfuric acid)		(Calcium sulfate)		(Water)

The wastewater containing the calcium sulfate flows through a series of weir gates in the lagoons, causing the calcium sulfate to precipitate out and settle to the bottom of the lagoons as a sludge. The supernatant is discharged to the New River via National Pollutant Discharge Elimination System (NPDES) Outfall 007 (Permit No. VA 0000248), adjacent to the unit (USATHAMA, 1976). The calcium sulfate sludge is dredged from the lagoons on a periodic basis (approximately once every 5 to 7 months) and placed in adjacent drying beds (SWMU 36). After drying, the sludge is removed from the beds; since 1982, it has

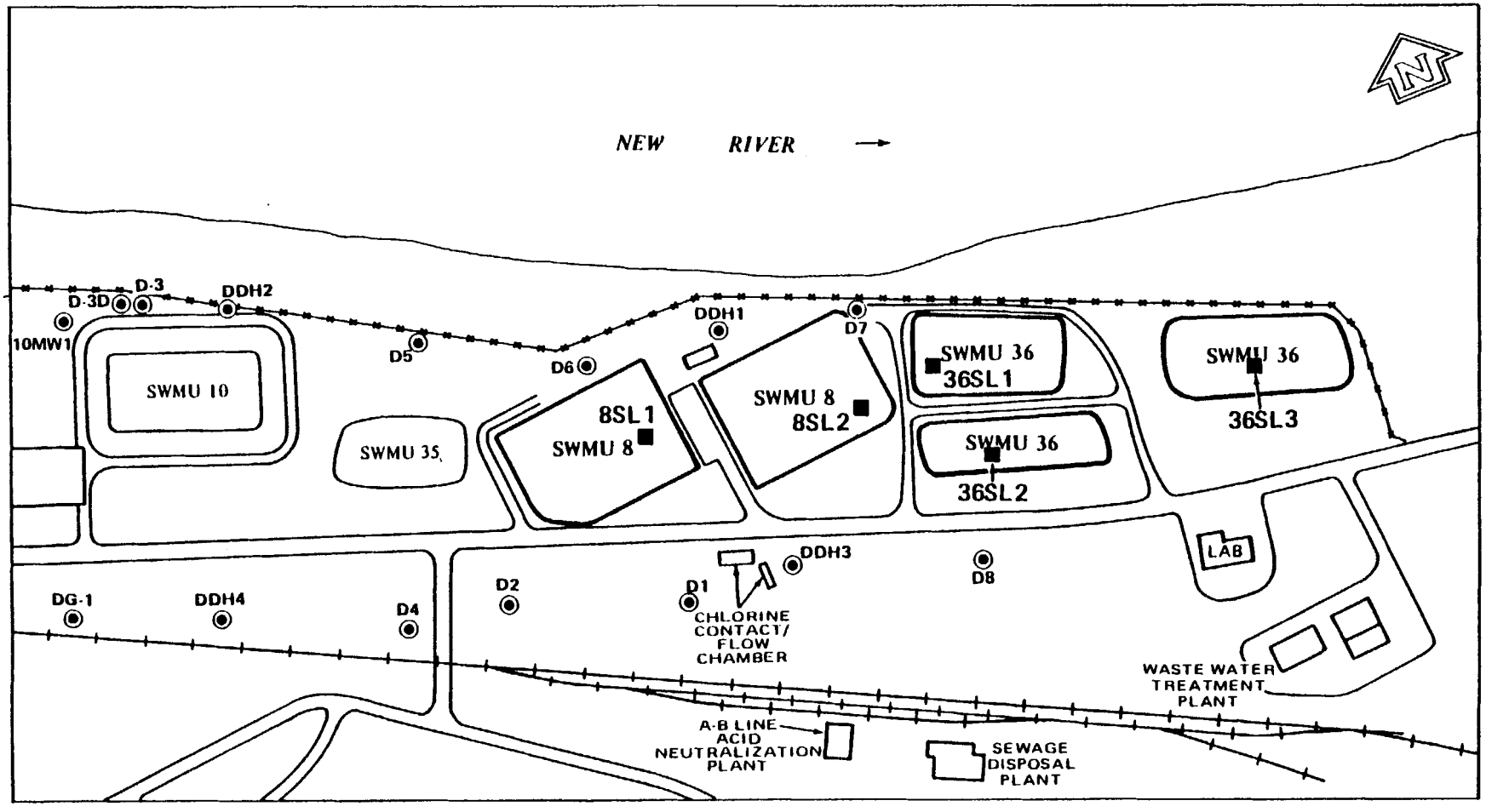


FIGURE 5-1
WASTE CHARACTERIZATION SAMPLE LOCATIONS
SWMU 8 – CALCIUM SULFATE SETTLING LAGOONS
SWMU 36 – CALCIUM SULFATE DRYING BEDS
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

been disposed of in Fly Ash Landfill No. 2 (SWMU 29). Prior to 1982, the sludge from each calcium sulfate SWMU was disposed of in Fly Ash Landfill No. 1 (SWMU 26), the Calcium Sulfate Landfill (SWMU 27), SWMU 50 and an area near SWMU 38.

SWMU 9, Calcium Sulfate Settling Lagoons (C-Line Nitrocellulose Wastewater), consists of two below-grade, unlined earthen lagoons located in the northwest area of the manufacturing facility (Figure 5-2). Each rectangular lagoon is approximately 150 feet long by 75 feet wide, and 8 to 10 feet deep. Operation of these currently active lagoons began in 1950-1953 during the Korean War (USACE, 1981). The lagoons are operated on an alternating basis to accommodate maintenance and dredging activities. The sludge drying beds adjacent to SWMU 9 are SWMU 37, SWMU 38, and SWMU Q.

SWMU 9 receives neutralized, formerly acidic wastewater from the C-Line Acidic Wastewater Treatment Plant (SWMU 20). The neutralization process that takes place at the treatment plant is similar to the process occurring for A-B Line Wastewater prior to entering SWMU 8.

The wastewater containing the calcium sulfate is gravity-fed into SWMU 9 via an underground process sewer pipe. The wastewater then flows through a series of weir gates in the lagoons, causing the calcium sulfate to precipitate out and settle to the bottom of the lagoons as a sludge. The water is discharged to the New River via NPDES Outfall 005 (Permit No. VA 0000248), adjacent to the unit. Similar to SWMU 8, the calcium sulfate sludge is dredged from the lagoons on a periodic basis (approximately once every 5 to 7 months) and placed in adjacent drying beds (SWMUs 37, 38, and Q). After drying, the sludge is removed from the beds.

SWMU 36, Calcium Sulfate Drying Bed (Northeast Section), is located along the New River in the northeast section of the Main Manufacturing Area. SWMU 36 is located immediately east of and adjacent to SWMU 8 (Figure 5-1). The drying beds were excavated into the natural grade and are unlined. Approximately once every 5 to 7 months, calcium sulfate sludge is dredged from SWMU 8 and pumped into one of the drying beds in SWMU 36 to dehydrate. After drying, the sludge is removed for disposal.

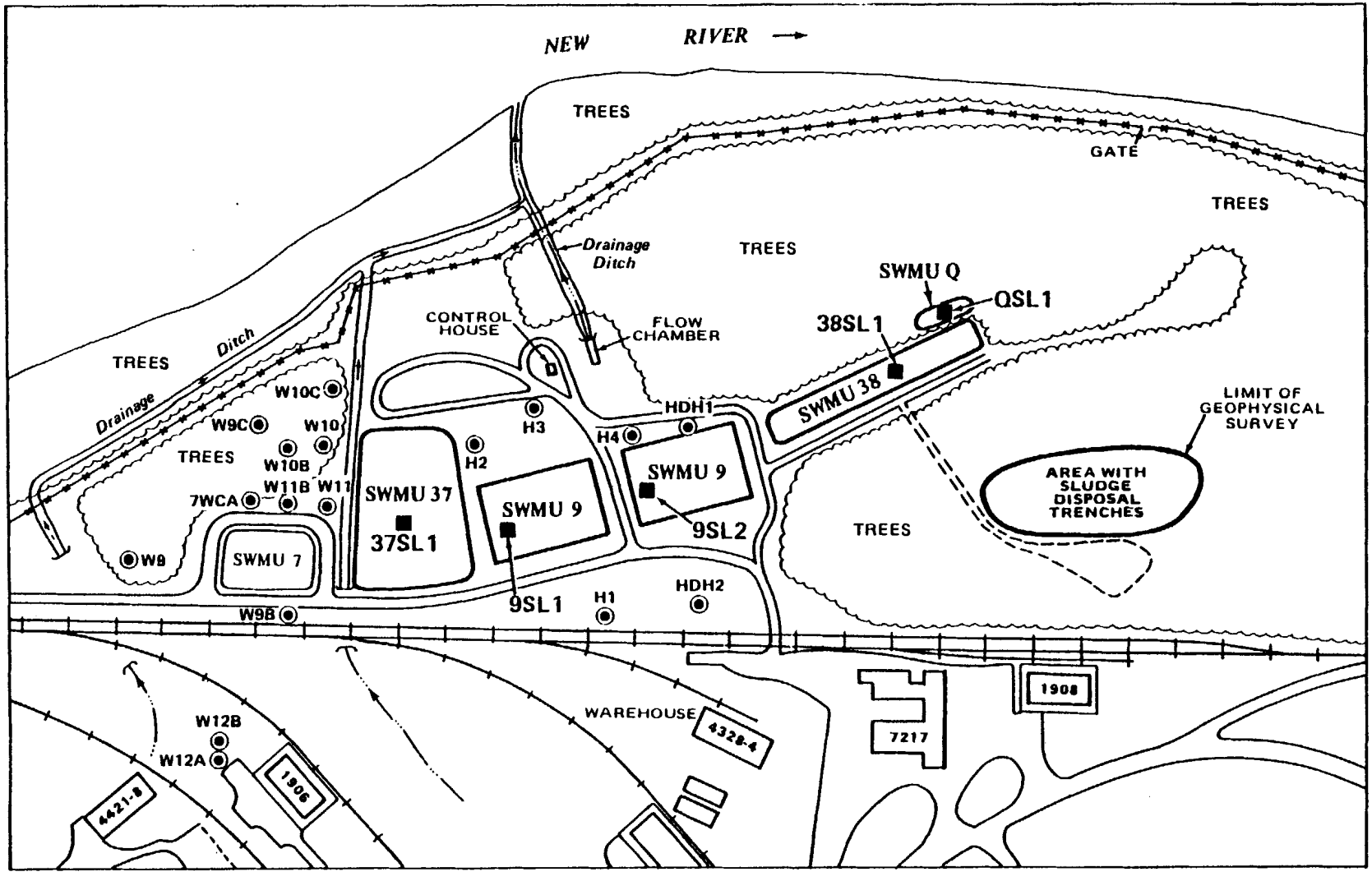


FIGURE 5-2
WASTE CHARACTERIZATION SAMPLE LOCATIONS
SWMU 9 – CALCIUM SULFATE SETTLING LAGOONS
SWMUs 37 AND 38 – CALCIUM SULFATE DRYING BEDS
SWMU Q – CALCIUM SULFATE DRYING BED
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

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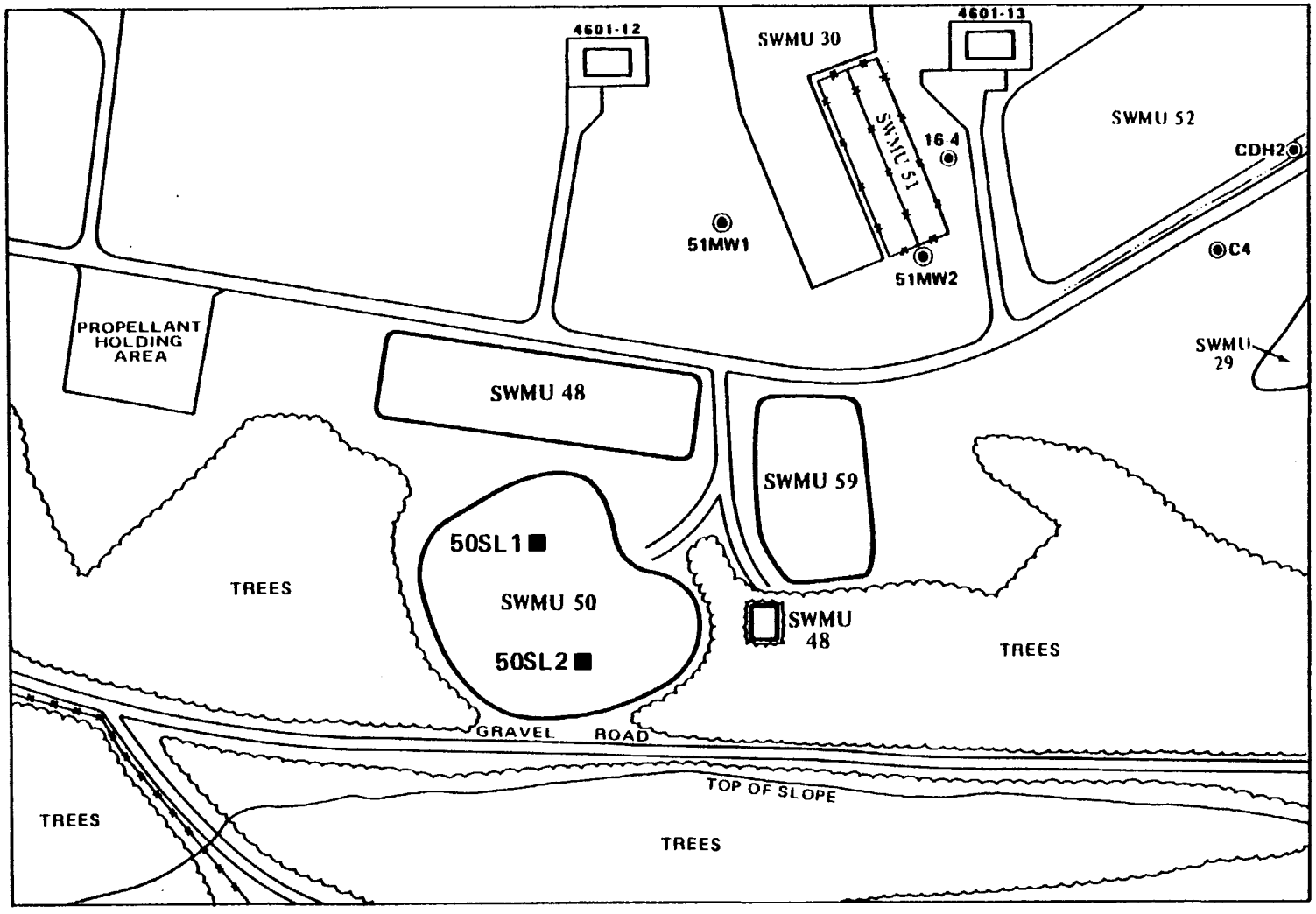
SWMU 36 consists of three separate drying beds, apparently of different ages. Based on a review of historical aerial photography, the northernmost bed (closest to the New River) appears to be the original drying bed. To the south of this bed is apparently the second oldest bed. These two beds are approximately 40 to 50 feet wide, 200 feet long, and 10 to 15 feet deep. The eastern-most bed was constructed last and is about 60 feet wide by 200 feet long.

SWMUs 37 and 38, Calcium Sulfate Drying Beds (Northwest Section), are located along the New River in the northwest section of the RAAP Main Manufacturing Area. SWMU 37, about 80 feet wide by 100 feet long, is located immediately southwest of and adjacent to SWMU 9 (Figure 5-2). SWMU 38, about 40 feet wide by 225 feet long, is located immediately northeast of and adjacent to SWMU 9. The units are excavated into the natural grade and are unlined. The depth of each unit was assumed to be 6 to 8 feet (USACE, 1981). Immediately northwest of and adjacent to SWMU 38 is SWMU Q (Figure 5-2). This abandoned lagoon was reported to be a sludge drying bed that was used when SWMU 38 was full. Sludge was pumped from SWMU 38 to SWMU Q via pipes that ran through a depression in the berm surrounding the drying bed.

As discussed previously, calcium sulfate sludge has been disposed of in various locations throughout RAAP, including Fly Ash Landfills Nos. 1 and 2 (SWMUs 32 and 29) and the Calcium Sulfate Landfill (SWMU 27). Another disposal area, SWMU 50 (Calcium Sulfate Disposal Area), was reported by EPA to be located in the Horseshoe Area approximately 3,400 feet east of the main New River bridge. The unit was reported to be contiguous to SWMU 48 (Oily Wastewater Disposal Area) and SWMU 49 (Red Water Ash Disposal Area), with no distinction possible by visual observation (USEPA, 1987). However, based on a review of historical aerial photographs and an interview with plant personnel, it has been determined that sludge disposal occurred in an open area south of SWMU 48 (Figure 5-3). The unit is approximately 300 feet by 300 feet in size. Until 1982, this was the major disposal area at RAAP for calcium sulfate sludge removed from the calcium sulfate drying beds (SWMUs 35, 36, 37, 38, and Q).



LEGEND:

- ◉ Monitoring Well
- ■ Waste Sample

FIGURE 5-3
WASTE CHARACTERIZATION SAMPLE LOCATIONS
SWMU 50 – CALCIUM SULFATE DISPOSAL AREA
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

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In addition to SWMU 50, another sludge disposal area was identified during the March 1990 facility visit. In a wooded area located west of and adjacent to SWMU 38 (Figure 5-2), trenches were used for the disposal of an unknown quantity of sludge.

Analyses performed on sludge samples collected from SWMU 8 indicate that the sludge does not exhibit any of the four hazardous waste characteristics as outlined in 40 CFR 261.34. However, there is concern that the sludge contains some organic compounds used in manufacturing activities at RAAP (USEPA, 1987; USACE, 1981). The sludge present in SWMUs 9, 36, 37, 38, Q, and 50 is assumed to have the same characteristics as that in SWMU 8.

5.1.1.2 Environmental Setting. Soil and rock borings completed in the vicinity of the SWMU 8 area as part of a hydrogeologic investigation (USACE, 1981) indicated the presence of two major lithologic units--unconsolidated sand with some gravel and clay lenses overlying limestone/dolostone bedrock.

The consolidated deposits, which thicken away from the river, consist primarily of fine- to coarse-grained, yellowish-brown sand varying in thickness between 14 and 30 feet. Zones of large cobbles (river jack) are present, but are not as common as found at other sites at RAAP. Silty brown clay lenses found at the land surface may represent recent deposition during flood events.

Underlying the sand unit is the gray limestone/dolostone of the Elbrook Formation. At SWMU 8, the gray limestone/dolostone is highly argillaceous. The limestone/dolostone itself is highly fractured and fragmented. A total of 29 field and laboratory permeability tests were performed during the investigation. The reported permeability for the unconsolidated material ranges from less than 3.28×10^{-6} centimeters per second (cm/sec) to 1.37×10^{-2} cm/sec. The lowest permeabilities are found in clay and silt lenses of the unit, and the highest permeabilities are found in the gravel. Seven in situ permeability tests were conducted on material of the Elbrook Formation. The average permeability of the limestone/dolostone is 8.42×10^{-3} cm/sec with a range from 1.73×10^{-4} to 2.08×10^{-2} cm/sec.

These data support the observation that the formation is highly fractured, and it is likely that groundwater flows through these channels with virtually no restriction.

The water table at this unit is found at a depth ranging from 10 to 23 feet below ground surface. Groundwater flow is essentially toward the New River. The available data indicate that the water table may also slope toward Stroubles Creek on the east side of SWMU 36 (USACE, 1981). Eight monitoring wells were installed in the vicinity of SWMU 8 as part of the 1980 hydrogeologic evaluation (USACE, 1981). Well locations are shown in Figure 5-1.

Soil and rock borings completed at the SWMU 9 Area during a hydrogeologic investigation conducted in 1980 (USACE, 1981) indicated the presence of two major lithologic units--unconsolidated sand and gravel with clay lenses overlying limestone/dolostone bedrock.

The unconsolidated deposits consist primarily of fine- to coarse-grained, yellowish-brown sand that is approximately 30 feet thick. With depth, large cobbles (river jack) become more dominant in the unit, and lenses of brown, silty clay are more dominant in the upper part of the unit.

Underlying the sand and gravel unit is the gray limestone/dolostone of the Elbrook Formation. The bedrock is highly argillaceous, and a large mudstone unit--which generally trends between borings H-1 and H-3--is present. The limestone/dolostone is moderately weathered and fractured. Up to 17 feet of bedrock was penetrated during the boring program.

A total of 16 field and laboratory permeability tests were performed by the USACE to determine the ability of the earth material at SWMU 9 to transmit fluids. The unconsolidated material exhibited a permeability ranging from 1.5×10^{-5} to 7.8×10^{-3} cm/sec, with an average of 6.45×10^{-4} cm/sec. Although the permeability appears to be low considering the prevalence of sand and gravel beneath the SWMU 9 Area, the unit is poorly sorted, which may result in filling of the large pore spaces by fine-grained silt and clay, thus decreasing permeability.

Three permeability tests were performed for limestone/dolostone material. Permeabilities range from 1.85 x 10^{-3} to 8.05 x 10^{-3} cm/sec, with an average value of 5.90 x 10^{-3} cm/sec. Two cation-exchange capacity (CEC) tests were performed by the USACE on unconsolidated sediments at the SWMU 9 Area. The samples tested were silty sand and clayey silt, with CEC values of 8.3 milliequivalents (meq)/100 grams (gm) and 9.0 meq/100 gm of soil, respectively.

The water table at the SWMU 9 Area is found generally along the bedrock surface, at a depth of 26 to 29 feet below ground surface. The water table, as indicated by the limited data available, appears to be virtually flat. Although it appears that the water table may be about 0.5 foot higher immediately beneath the impoundments in comparison with other monitor wells, the presence of a water table mound cannot be confirmed. The water table elevation is highest at H-4, which is immediately adjacent to the discharge line from the impoundments (which could be leaking).

Available water level data indicate that when water levels in the New River are altered by releases from the dam upstream of RAAP, the water table fluctuates accordingly. The groundwater flow in the vicinity of the SWMU 9 Area would be toward the New River, because there is no major point of groundwater discharge inland from the river that would reverse hydraulic gradients (USACE, 1981). In 1980, six monitoring wells were installed at the SWMU 9 Area as part of the hydrogeologic evaluation. Well locations are shown in Figure 5-2.

5.1.1.3 Geophysical Survey. Sludge excavated from SWMU 37 and SWMU 38 was reportedly placed in trenches excavated in the wooded area east of SWMU 38. A geophysical survey was performed at RAAP during the VI; this area was one of the areas explored (Appendix H). As shown in Figure 5-4, two areas with abnormally high conductivity readings were found. Each area centered on generally treeless but weed covered areas 200 feet east and southeast of SWMU 38. Several sludge filled trenches are probably located at these two locations.

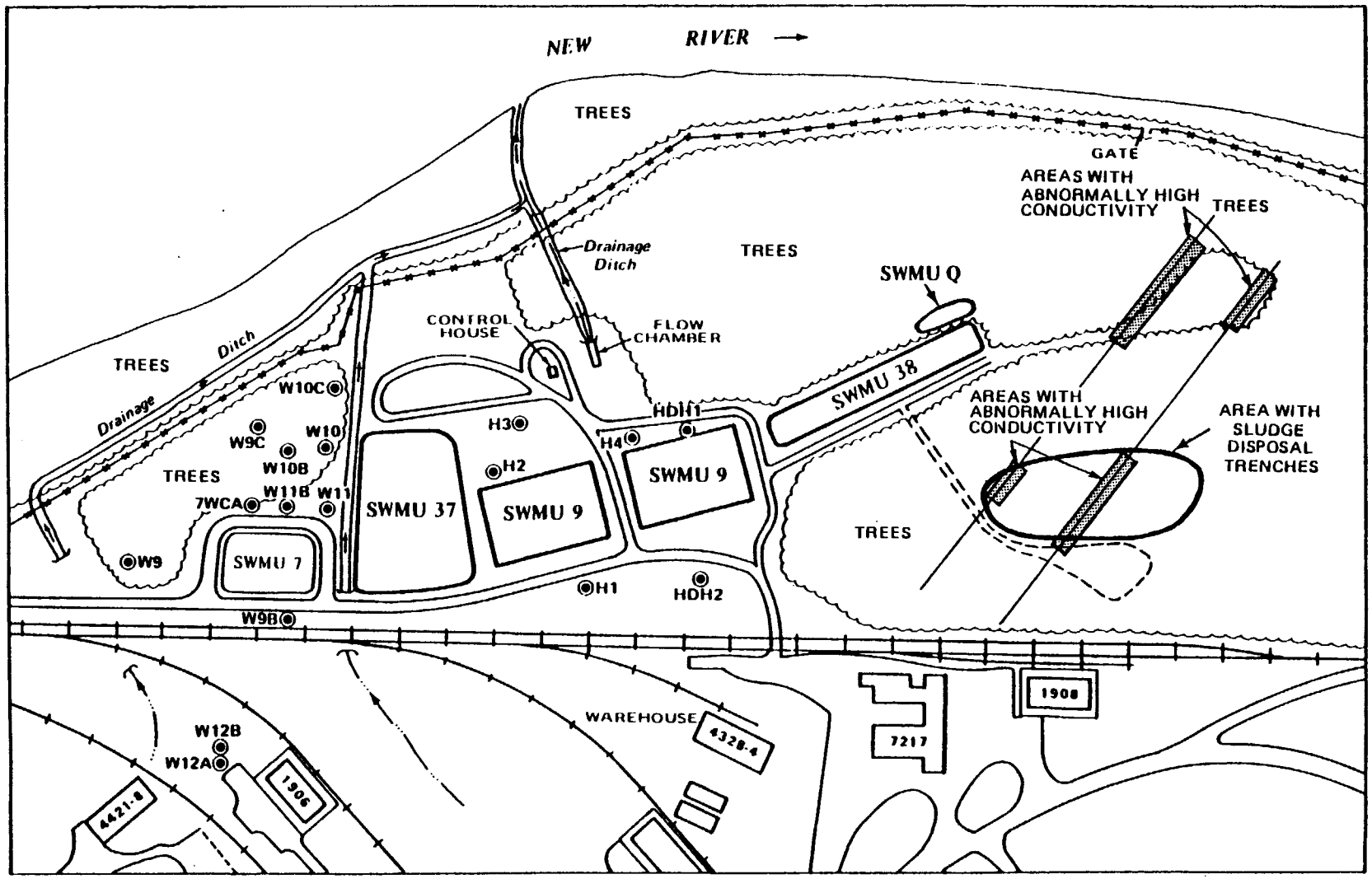

FIGURE 5-4
GEOPHYSICAL SURVEY RESULTS
CALCIUM SULFATE SLUDGE DISPOSAL TRENCHES
RADFORD ARMY AMMUNITION PLANT, VIRGINIA

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5.1.2 Sample and Analyses Program

Wastes at these units were generated from similar processes and are considered to be relatively homogenous in character. As provided for in the permit, wastes from these units were sampled and analyzed to evaluate whether any hazardous constituent concentrations exceed the health based numbers (HBNs) in the permit (see Appendix D).

The calcium sulfate settling lagoons at SWMUs 8 and 9 consist of liquid-filled sludge settling lagoons. One sample was collected from each of the two lagoons at SWMU 8, (8SL1 and 8SL2), and one sample was collected from each of the two lagoons at SWMU 9 (9SL1 and 9SL2). Sample locations were along the edges of the lagoons. The top one foot of sludge was sampled. The four sludge samples were analyzed for VOCs, SVOCs, and TCLP metals.

There are a total of six calcium sulfate drying beds at SWMUs 36, 37, 38, and Q. In the two drying beds that contained liquids, SWMU 36 (north bed) and SWMU 38, one sample was collected from the top one foot of sludge present in each bed. Sample locations were along the edges of the bed where sampling from the edge was possible. In the four drying beds that contain only dried, solidified sludge, SWMU 36 (east and south beds), SWMU 37, and SWMU Q, a 5-foot hand auger boring was drilled in the central part of the beds. One sample was composited from each 5-foot hole to ensure a representative sample of numerous sludge drying episodes. All samples collected from the drying beds were analyzed for VOCs, SVOCs, and TCLP metals. Samples 36SL1, 36SL2, 36SL3, 37SL1, 38SL1, and QSL1 were collected, as shown in Figures 5-1 and 5-2.

At the Calcium Sulfate Disposal Area, SWMU 50, two soil borings were drilled (Figure 5-3) to collect two sludge samples (50SL1, 50SL2) for waste characterization. Five-foot borings were drilled into the central unit, and a 5-foot core was collected for chemical analysis. The samples were analyzed for VOCs, SVOCs, and TCLP metals. In the Sludge Disposal Area Near SWMU 38, a geophysical survey was performed to delineate specific sludge disposal boundaries and trench locations. Details of the geophysical techniques that were used are discussed in Section 5.2. Two lines spaced approximately 100 feet apart were

traversed, with magnetic and electromagnetic readings taken at 15-foot intervals. The geophysical survey covered an area of less than one acre, as shown in Figure 5-4.

No sampling activities were proposed at the Sludge Disposal Area Near SWMU 38. Because sludge disposed of in this area was generated in the nearby settling lagoons and drying beds, described above, the analytical results from the samples collected from those units will indicate whether the sludge disposal area contains hazardous constituents at concentrations potentially above maximum allowable permit limits.

5.1.3 Comparison to Health Based Numbers and TCLP Criteria

The waste characterization investigation at the Calcium Sulfate Settling Lagoons and Drying Beds included the collection of four sludge samples from four settling lagoons at SWMUs 8 and 9 and six sludge samples from drying beds at SWMUs 36, 37, 38 and Q. Additionally, two composite sludge samples were collected at SWMU 50, the Calcium Sulfate Disposal Area. The results of the chemical analyses indicated that VOCs, SVOCs and TCLP metals were detected in several of the sludge samples. However, no reported concentrations exceeded the HBNs or TCLP waste characterization criteria and are a concern. Chemical analyses results for the sludge samples are presented in Table 5-1 for SWMUs 8 and 36 and Table 5-2 for SWMUs 9, 37, 38, Q, and 50.

Chemical analyses of 8SL1 and 8SL2 indicate detectable concentrations of two VOCs and three metals in sludges and sludge leachates from samples collected in the two settling lagoons at SWMU 8. A chloroform concentration of 0.016 ug/g for 8SL1 and a 111TCE concentration of 0.025 ug/g for 8SL2 were reported at levels slightly greater than the analytical PQLs. However, these VOC concentrations were several orders of magnitude less than the 100 ug/g and 1000 ug/g HBNs for these constituents in soil. Barium, chromium and silver from TCLP analyses also were reported at detectable concentrations for these sludge samples. Similar leachate concentrations of barium, chromium and silver were reported for samples 8SL1 and 8SL2, indicating a relatively homogenous mixture of sludge within the two neutralization lagoons. The results of the TCLP metal analyses indicated that leachable levels of barium, chromium, silver and other metals in the lagoon sludges are

Table 5-1
Summary of Analytical Data For Sediment Samples Collected At SWMUs 8 and 36
Radford Army Ammunition Plant, Virginia

SITE ID		36SL1	36SL2	36SL3	8SL1	8SL2	
FIELD ID		RVFS*31	RVFS*32	RVFS*33	RVFS*17	RVFS*18	
S. DATE		15-jan-92	15-jan-92	15-jan-92	15-jan-92	15-jan-92	
DEPTH (ft)		5.0	5.0	5.0	1.0	1.0	
MATRIX	PQLs	CSE	CSE	CSE	CSE	CSE	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG	UGG
Volatiles							
1,1,1-TRICHLOROETHANE	0.005	LT 0.004	0.011	LT 0.004	LT 0.004	0.025	1000
ACETONE	0.1	0.229	LT 0.017	LT 0.017	LT 0.017	LT 0.017	1000
CHLOROFORM	0.005	LT 0.001	LT 0.001	LT 0.001	0.016	LT 0.001	100
Semivolatiles							
DI-N-BUTYL PHTHALATE	0.3	4.4	1.11	LT 0.305	LT 0.305	LT 0.305	1000
FLUORANTHENE	0.3	4.77	LT 0.34	LT 0.34	LT 0.34	LT 0.34	500
N-NITROSODIPHENYLAMINE	0.3	24.3	12.3	12.2	LT 0.95	LT 0.95	100
PHENANTHRENE	0.5	2.12	0.43	LT 0.165	LT 0.165	LT 0.165	40
TOTAL UNKNOWN TICs	NA	(6)45.2	(1)4.17	(1)4.13	ND	ND	NSA
TCLP Metals (UGL)							
BARIUM	20	284	209	371	341	231	100000
CHROMIUM	10	36.2	30.4	LT 6.02	15.4	40.6	5000
SILVER	2	7.84	6.21	12.5	5.49	5.29	5000

Footnotes :

CSE = Chemical sediment.
HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).
LT = Concentration is reported as less than the certified reporting limit.
NA = Not available; PQLs are not available for TICs detected in the library scans.
ND = Analyte was not detected.
NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.
PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.
TCLP = Toxicity Characteristic Leaching Procedure.
TICs = Tentatively identified compounds that were detected in the GC/MS library scans. TCLP criteria presented as the HBN for these analyses.
UGG = Micrograms per gram.
UGL = Micrograms per liter.
Units(#) = Units are in UGG except for TCLP constituents, which are expressed in UGL.
( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.
[ ] = Brackets indicate that the detected concentration exceeds the HBN (No exceedances on this table).

Table 5-2
Summary of Analytical Data For Sediment Samples Collected At SWMUs 9, 37, 38, 50, and Q
Radford Army Ammunition Plant, Virginia

SITE ID		37SL1	38SL1	50SL1	50SL2	9SL1	9SL2	QSL1	
FIELD ID		RVFS*34	RVFS*35	RVFS*9	RVFS*10	RVFS*20	RVFS*21	RVFS*87	
S. DATE		15-jan-92	15-jan-92	17-aug-91	17-aug-91	15-jan-92	15-jan-92	15-jan-92	
DEPTH (ft)		5.0	5.0	5.0	5.0	1.0	1.0	5.0	
MATRIX	PQLs	CSE	CSE	CSE	CSE	CSE	CSE	CSE	HBN
UNITS (#)	UGG	UGG	UGG	UGG	UGG	UGG	UGG	UGG	UGG
Volatiles									
1,1,1-TRICHLOROETHANE	0.005	LT 0.004	LT 0.004	5.15	LT 2.2	LT 0.004	LT 0.004	LT 0.004	1000
ACETONE	0.1	LT 0.017	LT 0.017	LT 8.5	LT 8.5	LT 0.017	0.091	LT 0.017	1000
CHLOROFORM	0.005	LT 0.001	LT 0.001	1.72	LT 0.435	0.015	LT 0.001	LT 0.001	100
Semivolatiles									
2-METHYLNAPHTHALENE	0.3	LT 0.245	LT 0.049	0.469	LT 0.049	LT 0.245	LT 0.245	LT 0.049	NSA
DI-N-BUTYL PHTHALATE	0.3	41.5	1.48	LT 0.061	LT 0.061	LT 0.305	29.4	3.01	1000
N-NITROSODIPHENYLAMINE	0.3	5.71	0.702	LT 0.19	LT 0.19	LT 0.95	LT 0.95	LT 0.19	100
NAPHTHALENE	0.3	LT 0.185	LT 0.037	0.432	LT 0.037	LT 0.185	LT 0.185	LT 0.037	1000
PHENANTHRENE	0.5	LT 0.165	LT 0.033	0.15	LT 0.033	LT 0.165	LT 0.165	LT 0.033	40
Semivolatile TICs									
CYCLOHEXENE OXIDE	NA	ND	0.425 S	ND	ND	ND	ND	ND	NSA
HEXADECANOIC ACID, BUTYL ESTER	NA	ND	ND	ND	1.66 S	ND	ND	ND	NSA
TOTAL UNKNOWN TICs	NA	(1)3.88	ND	(1)0.53	(4)2.76	ND	(4)49.5	(1)0.639	NSA
TCLP Metals (UGL)									
ARSENIC	10	LT 2.54	LT 2.54	3.52	LT 2.54	LT 2.54	LT 2.54	LT 2.54	5000
BARIUM	20	180	756	140	133	628	801	196	100000
CADMIUM	1	LT 4.01	LT 4.01	LT 4.01	LT 4.01	LT 4.01	8.75	LT 4.01	1000
CHROMIUM	10	15.5	9.69	40.8	22.5	37	20.1	LT 6.02	5000
LEAD	10	LT 18.6	LT 18.6	67	48	37.5	27.7	LT 18.6	5000
SILVER	2	4.95	LT 4.6	LT 4.6 B	LT 4.6 B	LT 4.6	4.67	8.17	5000

Footnotes :

B = Analyte was detected in corresponding method blank; values are flagged if the sample concentration is less than 10 times the method blank concentration for common laboratory constituents and 5 times for all other constituents.

CSE = Chemical sediment.

ND = Analyte was not detected.

HBN = Health based number as defined in the RCRA permit. HBNs not specified in the permit were derived using standard exposure and intake assumptions consistent with EPA guidelines (51 Federal Register 33992, 34006, 34014, and 34028).

LT = Concentration is reported as less than the certified reporting limit.

NA = Not available; PQLs are not available for TICs detected in the library scans.

NSA = No standard (HBN) available; health effects data were not available for the calculation of a HBN. HBNs were not derived for TICs.

PQL = Practical quantitation limit; the lowest concentration that can be reliably detected at a defined level of precision for a given analytical method.

S = Results are based on an internal standard; flag is used for TICs detected in library scans.

TCLP = Toxicity Characteristic Leaching Procedure. TCLP criteria presented as the HBN for these analyses.

TICs = Tentatively identified compounds that were detected in the GC/MS library scans.

UGG = Micrograms per gram.

UGL = Micrograms per liter.

Units(#) = Units are in UGG except for TCLP constituents, which are expressed in UGL.

( ) = Parenthesis are used to indicate the number of unknown TICs that were detected in either the volatile or semivolatile GC/MS library scans. The number beside the parenthesis is the total concentration of all TICs detected in each respective scan.

[ ] = Brackets indicate that the detected concentration exceeds the HBN (No exceedances on this table).

two to three orders of magnitude less than the regulatory levels (40 CFR 261.24) for characterizing a waste as hazardous. SVOCs were not detected in the two sludge samples.

A total of two VOCs, four SVOCs and three TCLP metals were detected in sludge samples collected from the three calcium sulfate drying beds at SWMU 36. These drying beds periodically receive accumulated sludge from SWMU 8 and were expected to contain constituents similar to that of SWMU 8. The chemical results show that 111TCE was the only VOC detected in both the lagoon (SWMU 8) and in any associated drying bed sludge sample, at 0.011 ug/g in drying bed sample 36SL2. Acetone was the only other VOC detected in the drying bed sludge and was reported at a concentration of 0.229 ug/g in 36SL1 only. However, the concentrations of these VOCs do not exceed the permit VOC HBNs for soil. Low to moderate concentrations of one to four SVOCs and one to six VOC TICs were reported for the three sludge samples. However, concentrations of the known VOCs are less than the permit HBNs by factors ranging from 4 to nearly 1,000. Sludge leachate concentrations of barium, chromium and silver for 36SL1 and 36SL2, and barium and silver for 36SL3 were less than the TCLP regulatory criteria.

As presented in Table 5-2, the results of the chemical analyses of 9SL1 and 9SL2 indicated detectable concentrations of two VOCs, one identified and four unknown SVOCs, and five TCLP metals in sludges and sludge leachates from samples collected in the two settling lagoons at SWMU 9. Chloroform and acetone, two VOCs reported at concentrations of 0.015 ug/g and 0.091 ug/g, were detected in sludge samples 9SL1 and 9SL2, respectively. However, these VOC concentrations were several orders of magnitude less than the 100 ug/g and 1000 ug/g HBNs for these constituents in soil and are not a concern. One identified SVOC, Di-N-butyl phthalate (DNBP), and four unknown SVOC TICs (49.5 ug/g total concentration) were reported for sample 9SL2 only. The concentration of DNBP reported for 9SL2 (i.e., 29.4 ug/g), however, was less than the HBN of 1000 ug/g for soil. SVOCs were not detected in sludge sample 9SL1. The results of the TCLP leachate analyses indicated detectable concentrations of barium, chromium and lead for sludge sample 9SL1. Similar levels of barium, chromium and lead were reported for

sample 9SL2 leachate, with additional low levels of cadmium and silver as well. However, metal concentrations for the TCLP leachate analyses of samples 9SL1 and 9SL2 were two to three orders of magnitude less than the regulatory criteria.

Chemical results for SWMUs 37, 38 and Q indicate the presence of three SVOCs and three TCLP metals in sludge samples collected from the calcium sulfate drying beds associated with SWMU 9. VOCs, though, were not detected in any of these sludge samples. The three drying beds periodically receive accumulated sludge from SWMU 9 and were expected to contain constituents similar to that of SWMU 9. The chemical results show that DNBP was the only SVOC detected in any lagoon sample (9SL2) and in all sludge samples from the associated drying beds, with drying bed concentrations ranging from 1.48 ug/g to 41.5 ug/g in 38SL1 and 37SL1, respectively. N-Nitrosodiphenylamine, a SVOC not found in either of the SWMU 9 settling lagoon sludge samples, was also detected in sludge samples collected from SWMUs 37 and 38. However, the concentrations of these SVOCs were one to nearly two orders of magnitude less than the permit HBN criteria. Additionally, metal concentrations for the TCLP leachate analyses were two to three orders of magnitude less than the regulatory criteria.

The results of the chemical analyses of samples collected from SWMU 50 indicate the presence of two VOCs, three known SVOCs and arsenic in one sample/sample leachate only. Both VOCs, 111TCE and chloroform, and arsenic were limited to sample 50SL1, which was collected at the northern portion of the calcium sulfate disposal site. Similarly, three known SVOCs, the polynuclear aromatic hydrocarbons (PAHs) 2-methylnaphthalene, naphthalene and phenanthrene, were detected in 50SL1 only. Constituents detected in sample 50SL2, collected in the southern portion of the site, included estimated concentrations of one known and four unknown SVOC TICs. Detected or estimated analyte concentrations in both SWMU 50 samples were less than permit HBN comparison criteria. Additionally, metal concentrations reported for the TCLP leachate analyses were less than regulatory criteria.

5.1.4 Summary and Recommendations

The results of the chemical analyses of 12 representative sludge samples collected from SWMUs 8, 9, 36, 37, 38, Q and 50 indicated that a limited number of VOCs, SVOCs and TCLP metals were detected at low concentrations at 11 calcium sulfate settling lagoons, drying beds and disposal areas. Similar concentrations of several organic and inorganic analytes demonstrated that the sludge material distributed to lagoons and drying beds is homogenous within a site (i.e., SWMUs 8 and 36) as well as between sites (i.e., SWMUs 8 and 9). Although wastes at SWMUs 8 and 36 may have contributed to concentrations of 111TCE, chloroform and DNBP detected in shallow groundwater (USACE, 1981), the relatively low concentrations of these constituents detected in these recent samples indicated that SWMUs 8 and 36 are not likely to be major source areas. Greater contaminant concentrations reported at SWMUs 9 and 37 indicated that these units may be more significant sources of DNBP in groundwater downgradient of the sites. Subsurface samples of material at SWMU 50 indicate limited concentrations of two VOCs and three SVOCs. However, the concentrations of these and other constituents in the sludge samples were reported at levels significantly below permit HBNs or TCLP hazardous waste characterization criteria. The calcium sulfate lagoon, drying bed and disposal area sludges presently do not constitute a significant threat to human health and the environment because levels of contaminants are not considered to be hazardous as defined by present regulatory standards and HBN criteria. Additionally, present operations at the site, such as periodic removal and landfilling of the waste sludges, likely limit any potential downward migration of these constituents to groundwater. Based on the results of this investigation and present waste handling operations, no further action is recommended for these SWMUs.

5.4 SUMMARY OF RECOMMENDED ACTIONS

Three waste types were characterized at RAAP and an evaluation was made on the potential of each waste type to be hazardous based on a comparison of the concentrations of various analytes in the waste to HBNs and background concentrations. The following recommendations present a summary of the evaluation for each waste type.

5.4.1 Calcium Sulfate

No analyte was detected at a concentration exceeding HBNs as presented in the RCRA Permit. Based on this finding, calcium sulfate should not be considered a potential hazardous material and no further action is necessary at the various calcium sulfate disposal areas.