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# Groundwater Impact Assessment Report for the 216-U-14 Ditch

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Prepared for the U.S. Department of Energy
Office of Environmental Restoration and
Waste Management

Westinghouse
Hanford Company Richland, Washington

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

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# Groundwater Impact Assessment Report for the 216-U-14 Ditch

K. M. Singleton
K. A. Lindsey

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Westinghouse Hanford Company
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# GROUNDWATER IMPACT ASSESSMENT REPORT FOR THE 216-U-14 DITCH, 200 WEST AREA

## 1.0 INTRODUCTION

Groundwater impact assessments are conducted at liquid effluent receiving sites on the Hanford Site to determine hydrologic and contaminant impacts caused by discharging wastewater to the soil column. The assessments conducted are pursuant to the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) Milestone M-17-00A and M-17-00B, as agreed by the U.S. Department of Energy (DOE), Washington State Department of Ecology (Ecology), and the U.S. Environmental Protection Agency (EPA) (Ecology et al. 1992). This report assesses impacts on the groundwater and vadose zone from wastewater discharged to the 216-U-14 Ditch. Contemporary effluent waste streams of interest are 242-S Evaporator Steam Condensate and $UO_3$/U Plant wastewater.

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### 1.1 BACKGROUND

In response to public comments on the original Tri-Party Agreement, and at the request of the signatories on the Tri-Party Agreement, the DOE, Richland Operations Office (RL) assessed the impact of liquid effluents discharged to the ground at the Hanford Site. The results are documented in the *Liquid Effluent Study Final Project Report* (WHC 1990a). Ecology and EPA expressed concern regarding uncertainties in the evaluation. Foremost among these concerns were the lack of site-specific data, the need to consider interactions with adjacent facilities, and the need for sophisticated modeling of contaminant flow and transport. As a result, Milestones M-17-00A, M-17-00B, M-17-13, and M-17-13A were engendered to direct groundwater impact assessments.

Tri-Party Agreement Milestones M-17-00A and M-17-00B require impact assessments for Phase I and II streams. Phase I and II streams are defined in Stordeur and Flyckt (1988). The 216-U-14 Ditch currently receives 242-S Evaporator Steam Condensate (Phase II stream) and $UO_3$/U Plant wastewater (Phase I stream). Tri-Party Agreement Milestone M-17-13 required a methodology for assessing the impact of liquid effluent discharge on groundwater, which resulted in the document, *A Methodology for Assessing Impacts to Groundwater from Disposal of Liquid Effluent to the Soil at the Hanford Site* (Tyler 1991). Thirty days after regulatory approval of the methodology document, as required by Tri-Party Agreement Milestone M-17-13A, a schedule for performing the assessments at 13 receiving sites was completed.

### 1.2 METHODOLOGY

The methodology report categorizes 13 receiving sites based on the level of effort required to support the assessed impact. A level 1 receiving-site groundwater impact assessment relies on available information. A groundwater impact assessment of a level 2 receiving site may require nonintrusive field

work to verify the extent of existing contamination. A level 3 site may involve intrusive field work. The actual level of effort, as defined in the methodology report, should be based on information presented in the Groundwater Impact Assessment Plan.

The following responsibilities must be conducted for the methodology document as part of the groundwater impact assessment for level 1 receiving sites:

- Prepare, present, and describe how the groundwater assessment will be conducted
- Characterize the liquid effluent stream
- Evaluate the site-specific hydrogeology
- Develop a site conceptual model
- Assess the hydrologic impact of the liquid effluent stream
- Assess the contaminant impact of the liquid effluent stream
- Evaluate the adequacy of the existing monitoring well network
- Prepare a written report of the results.

The tasks required for level 2 and 3 sites are similar to those outlined above and may also include field activities. The 216-U-14 Ditch is a level 3 receiving site.

# 2.0 FACILITY DESCRIPTION

## 2.1 216-U-14 DITCH LOCATION

The 216-U-14 Ditch is located on a 1,434-$km^2$ (560-$mi^2$) tract of land in the south-central portion of Washington State known as the Hanford Site. The ditch is located in the central portion of the Hanford Site in the 200 West Area, approximately 32 km (20 mi) northwest of the city of Richland, Washington (Figure 1).

## 2.2 216-U-14 DITCH DESCRIPTION AND HISTORY

The 216-U-14 Ditch is a 1,731-m- (5,680-ft-) long, unlined and open manmade channel. The ditch was built between 1943 and 1944 as part of the 216-U-Pond (U Pond) disposal system. The ditch, and to a larger extent U Pond, were used to manage low-level radioactive wastewater by infiltration through the soil column and natural evaporation. The ditch channelled effluent to U Pond between 1943 and 1985. Effluent was channelled from the head end of the ditch, located at current outfall to the 284-WB Powerhouse Ponds to U Pond in the southwest corner of the 200 West Area. The ditch received wastewater from the 242-S Evaporator, the $UO_3$/U Plant (e.g., 221-U, 224-U), 241-U Tank Farm, 283-W Water Treatment Plant, 284-W Powerhouse, 2723-W Laundry and Mask Cleaning Station, and the 2724-W Laundry. The dates and sources of discharge to the ditch are shown in Figure 2. In 1985, U Pond and most of the 216-U-14 Ditch were permanently stabilized with sand and gravel to control surface contamination. Permanently stabilized areas of the ditch no longer receive effluents.

Today the active portion of the ditch is open, unlined, and 2 (base) to 17 m (8 [base] to 55 ft) wide, 3 m (9 ft) deep, and 430 m (1,410 ft) long. The ditch is divided into western and eastern halves. A large-diameter metal conduit beneath Cooper Street connects the two halves of the ditch. The 216-U-14 Ditch currently receives effluent discharge from the 242-S Evaporator and the $UO_3$/U Plant. The $UO_3$/U Plant discharge pipe is located in the eastern half of the ditch near 16th Street and is generally upslope of surface flow. The 242-S Evaporator discharge pipe is located in the western half of the ditch about 38 m (125 ft) west of Cooper Street. Recent observations indicate that effluent from the 242-S Evaporator and $UO_3$/U Plant do not mix at the surface and are managed as separate waste streams on opposite ends of the 216-U-14 Ditch.

In March 1992, the western half of the 216-U-14 Ditch was partially stabilized with an engineered barrier to control surface contamination. The slopes were pushed in, approximately half the ditch was brought to grade, and the bottom of the ditch was covered with large boulders and gravel. The eastern half of the ditch remains open and is unstabilized, except for the abundant vegetation that minimizes the spread of contamination. Both halves of the ditch were maintained to manage effluent discharge as necessary.

Figure 1. 216-U-14 Ditch Location Map.

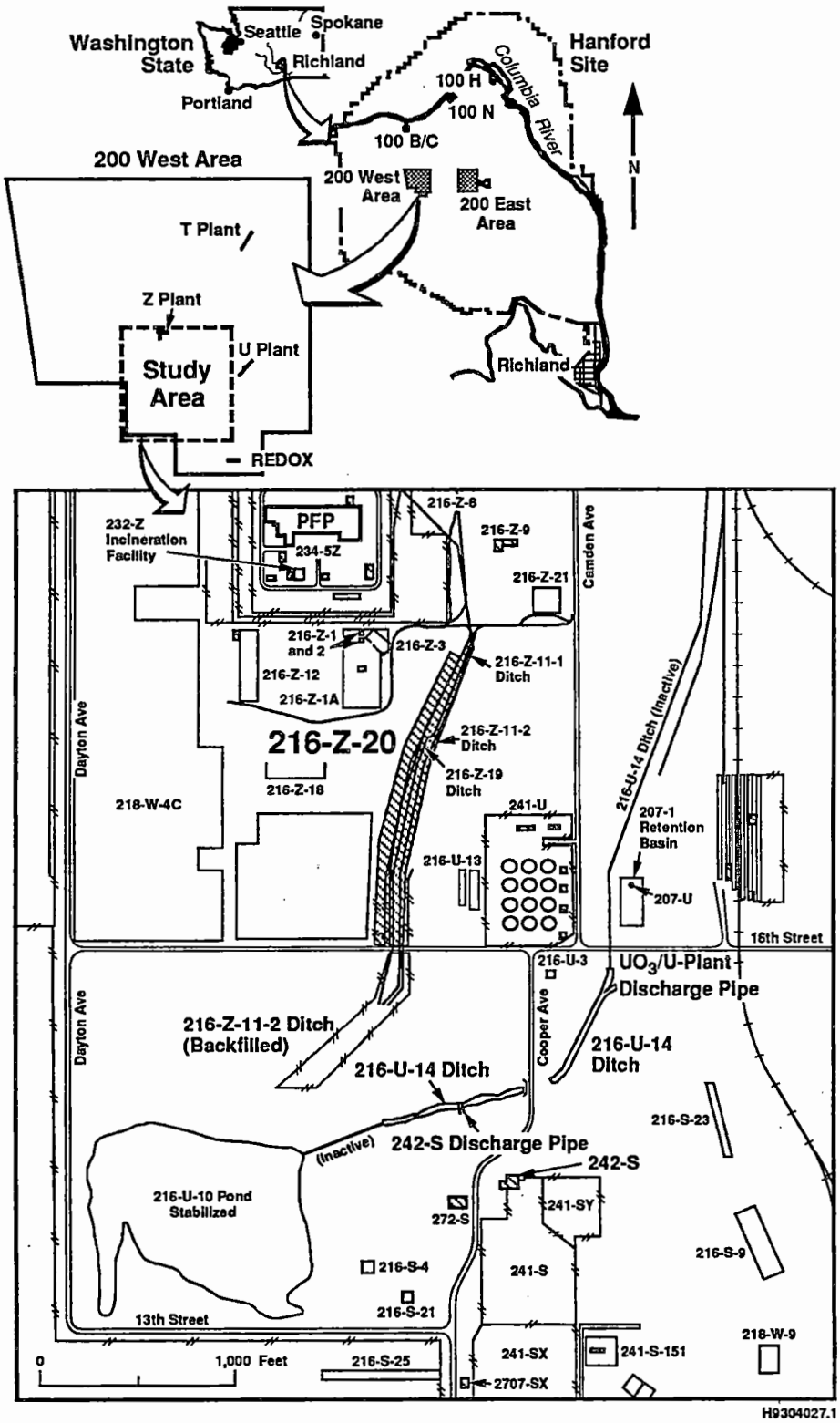
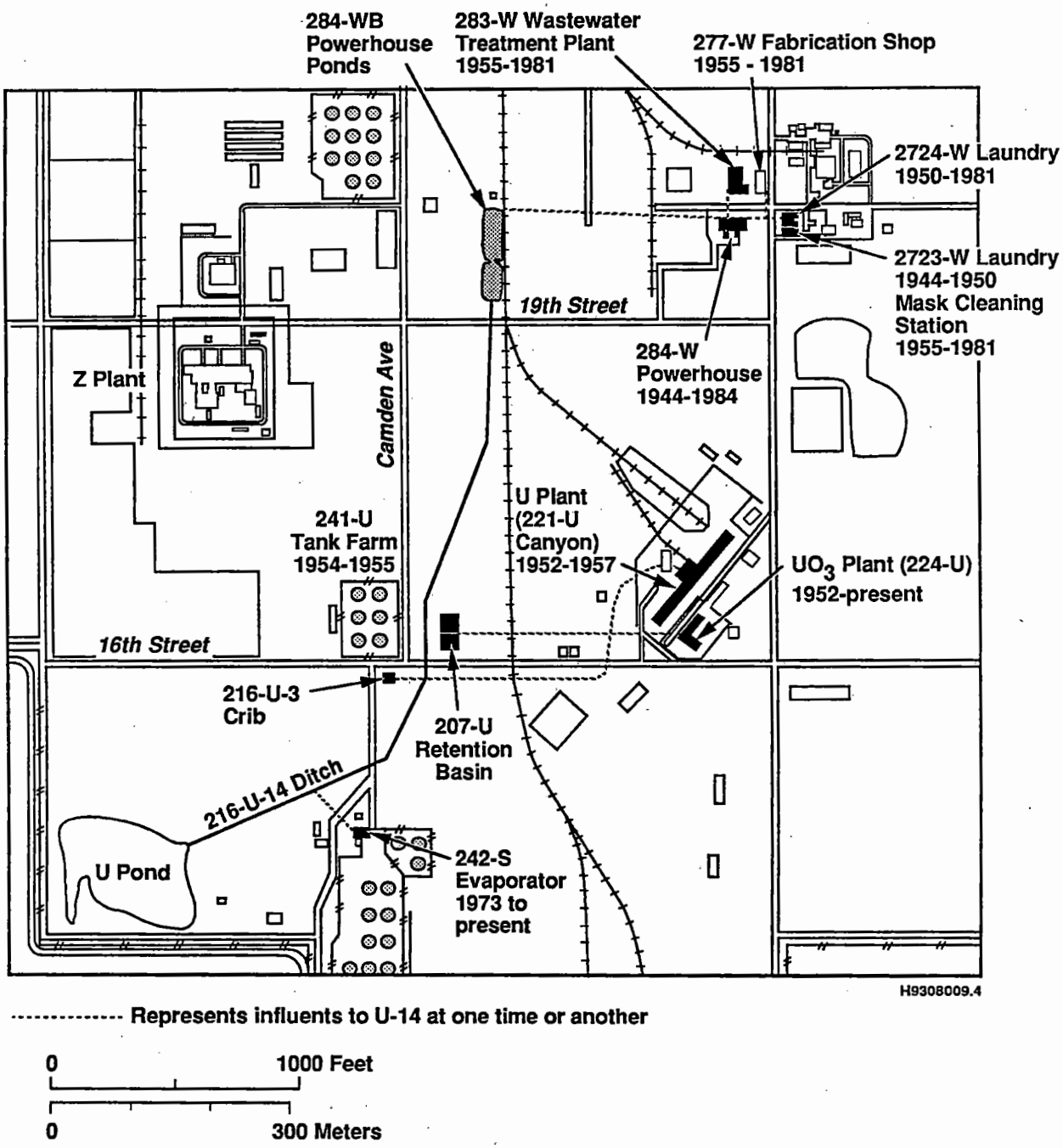


Figure 2. Illustration of Discharge History to the 216-U-14 Ditch.



The 216-U-14 Ditch supports a diverse population of aquatic plants (e.g., cattails, bulrush). Because of plant growth and the accumulation of fly ash, scale, and lint, the infiltration capacity of the ditch was often reduced. The ditch has been periodically dredged to facilitate waterflow and prevent backups (Landeen and Leitz 1982). Dredged material was placed along the west side of the ditch. To reduce potential contamination, the west berm between the head wall and 19th Street and between Camden Avenue and the U Pond delta was removed in 1979 (Last 1981) (see Figure 1). Dredging and subsequent removal of the waste berm along the ditch reduced the contaminant burden generated before 1979, assuming most of the contamination remained near the surface.

## 2.3 242-S EVAPORATOR HISTORY

The 242-S Evaporator started operating in 1973 and stopped in the early 1980's. The facility reduced the volume of radioactive liquid waste by evaporating water from feed solutions to produce a concentrated salt solution. The solution separates upon cooling to form salt cake and residual liquor. Steam and process condensate from the facility was sent to the 216-S-25 Crib. Cooling water was sent to the U Pond via the 216-U-14 Ditch. Contributors to the waste stream include reboiler steam condensate, steam condensate, raw water from heating and cooling jackets, and purging system trap condensate.

### 2.3.1 242-S Waste Stream Description

Wastewater currently produced at the 242-S Evaporator is primarily cooling water and seal water. Chemicals expected in the waste stream are commonly found in raw water. When the plant was in the processing mode, tritium, strontium-90, cesium-137, and ammonium hydroxide were the principal contaminants of interest. No unplanned releases are associated with the 242-S Evaporator (DOE-RL 1992a). Landeen and Leitz (1982) indicates that the 242-S Evaporator has resulted in the accumulation of transuranics throughout the ditch.

## 2.4 283-W WATER TREATMENT PLANT HISTORY

The 283-W Water Treatment Plant provides potable water to the 200 West Area. Water is pumped from the Columbia River and treated with alum (aluminum sulfate), filtered, and chlorinated. Wastewater from the 283-W Water Treatment Plant entered the 216-U-14 Ditch between 1955 and 1984 (Landeen and Leitz 1982). Waste entering the ditch from this facility is not well documented but was likely analyzed as part of the 284-W Powerhouse and 2724-W Laundry discharge.[1]

---

[1]Beginning in 1955 wastewater from the 2723-W Mask Cleaning Station, 284-W Powerhouse, 2724-W Laundry, and 277-W Fabrication Shop emptied into the same pipeline (RHO-HS-EV-0004).

## 2.5 284-W POWERHOUSE HISTORY

The 284-W Powerhouse began operating in 1944 to generate steam. The 283-W Water Treatment Plant provides the water for generating steam. Cooling water generated by this facility was discharged into the head end of the ditch between 1944 and 1984. After 1984, the effective date the ditch was stabilized, effluent was discharged to the 284-WB Powerhouse Ponds. The 284-WB Powerhouse Ponds was constructed over the head end of the 216-U-14 Ditch. Effluent from the 284-WB Powerhouse Ponds never flowed through the current active section of the ditch. Hydrologic and contaminant impacts from the 284-WB Powerhouse Ponds are addressed in WHC-EP-0679 (Alexander et al. 1993).

### 2.5.1 284-W Powerhouse Waste Stream Description

Wastewater produced at the 284-W Powerhouse is primarily cooling water. Chemical constituents of interest in the wastewater are barium, chloride, fluoride, lead, manganese, aluminum, and iron. There are no activities in the 284-W Powerhouse that involve radioactive materials.[2]

## 2.6 2723-W LAUNDRY AND MASK CLEANING STATION HISTORY

The 2723-W Laundry began operating in fall 1944. The facility is used to wash personal protective equipment (e.g., nonradioactive and radioactive clothing). Effluent from this facility was discharged to the head end of the ditch until 1952. The 2723-W Mask Cleaning Station discharged to the ditch between 1955 and 1981. The cleaning station was used to wash respiratory protective equipment. Effluent from this facility was discharged to the head end of the ditch until 1981. Contaminants expected in the wastewater are similar to those described in the 2724-W Laundry waste stream in Section 2.7.1.[2]

## 2.7 2724-W LAUNDRY HISTORY

The 2724-W Laundry began operating in 1952 and replaced the 2723-W Laundry. The facility is used to wash personal protective equipment (e.g., nonradioactive and radioactive clothing). Effluent from this facility was discharged into the head end of the ditch between 1952 and 1982. After 1981, effluent was discharged to the 216-W-LC Crib. It is reported in WHC (1990b) that waste oil from the 277-W Fabrication Shop may have also entered the 2724-W Laundry waste stream.

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[2]Beginning in 1955 wastewater from the 2723-W Mask Cleaning Station, 284-W Powerhouse, 2724-W Laundry, and 277-W Fabrication Shop emptied into the same pipeline (RHO-HS-EV-0004).

### 2.7.1 2724-W Laundry Waste Stream Description

The 2724-W Laundry wastewater consists of wash and rinse water from batch laundry operation and steam condensate from steam-heated dryers. Detergents, phosphate, and radioactive contaminants are expected in the wastewater.

## 2.8 $UO_3$/U PLANT HISTORY

The 224-U Building, also known as the $UO_3$ Plant, was constructed in 1944 for plutonium processing, but was not used for that purpose. The 224-U Building operated as a training facility from 1944 to 1950. The building was converted to a uranium reduction facility in 1952 and 1955 to support the Plutonium-Uranium Extraction (PUREX) Plant. The $UO_3$ Plant receives 60% liquid uranyl nitrate hexahydrate from the PUREX Plant by tanker truck. The uranyl nitrate hexahydrate is converted into $UO_3$ powder, nitric acid, and condensed water vapor. The principal processes are evaporation and calcination. The calcination process changes the nitrates in solution to nitrogen oxide gases that are recovered as 45 to 50% nitric acid in a gas-liquid absorption process. The recovered nitric acid is shipped back to the PUREX Plant. The $UO_3$ powder is loaded into shipping containers and is currently being stored at $UO_3$ Plant. The final calcination run was completed June 1993.

When not operating, the $UO_3$ Plant is in a "standby" mode. During standby mode, rainwater, steam condensate, water from area washdown, safety showers, and process equipment are collected in sumps and pumped to collection tanks. When sufficient water is collected, it is pumped to a steam heat vessel and evaporated and condensed. The concentrated material in the heated vessel has a high uranium content and is periodically shipped to the PUREX Plant. The condensate and cooling water used in the condenser comprise part of the wastewater. The $UO_3$/U Plant is currently transitioning to shut down the facility.

### 2.8.1 $UO_3$/U Plant Waste Stream Description

The $UO_3$ wastewater is primarily cooling water from the process equipment condensers and air compressors. The waste stream receives steam condensate and washdown water from nonradiation area floor drains in the 224-U Building. Chemicals that may contaminate wastewater if there is an equipment failure are nitrate and uranium. This waste stream has no direct connection with any process and is not treated. This waste stream also receives steam condensate from building heating, raw water used for building cooling, sanitary water, and condensate exhaust from facilities in the U Plant (i.e., 222-U; 271-U heating, ventilating, and air conditioning (HVAC); 221-U; 291-U-1 Stack). This waste stream does not contain U Plant process waste.

## 2.9 NEARBY WASTE MANAGEMENT FACILITIES[3]

This section describes waste management facilities near the 216-U-14 Ditch and an estimate of their radiological and chemical inventory. This information provides input to make an assessment of potential contaminants from nearby waste management units and the potential for lateral migration. Information in this section was primarily obtained from DOE-RL (1992a) and DOE-RL (1992b). Locations of nearby facilities are identified in Figure 1.

### 2.9.1 216-S-4 Crib

The 216-S-4 Crib is located about 213 m (700 ft) south of the 216-U-14 Ditch. This waste management unit consists of two French drains with a 76-cm- (30-in.-) diameter rock encasement. The encasements are metal cylindrical culverts placed end to end to a depth of 6.1 m (20 ft). The crib was active from August 1953 to August 1956 and received 1,000,000 L (264,173 gal) of waste from the condensers on the 241-S-101 and 241-S-194 Tanks. The radiological and chemical inventory for this facility includes 0.2 Ci of tritium and 1 kg (2.2 lb) of nitrate.

### 2.9.2 216-S-21 Crib

The 216-S-21 Crib is an inactive crib located 99 m (325 ft) south of the 216-U-14 Ditch. From 1954 to 1969, the crib received 241-SX Tank Farm condensate from the condensers in the 401-SX Condenser Facility via the 206-SX Tank in the 241-SX Tank Farm. The 216-S-21 Crib was retired in February 1969. The 216-S-21 Crib received 87,100,000 L (23,009,457 gal) of low salt and neutral/basic liquid waste. The chemicals disposed of were sodium and ammonium nitrate. The radiological inventory for this facility includes 0.33 Ci of cobalt-60, 21.8 Ci of strontium-90, 85.5 Ci of cesium-137, 2.08 g total of plutonium, 0.119 Ci of plutonium-239, 0.032 Ci of plutonium-240, $1.39 \times 10^{-6}$ Ci of ruthenium-106, $1.4 \times 10^{-4}$ Ci total of uranium, 0.128 Ci of alpha, and 208 Ci of beta. The chemical inventory for this facility includes 130 and 800 kg (287 and 1,764 lb) of sodium and ammonium nitrate, respectively.

### 2.9.3 216-S-23 Crib

The 216-S-23 Crib is an inactive crib located 200 m (656 ft) southeast of the 216-U-14 Ditch. The crib operated from January 1969 to July 1972. The crib received $3.41 \times 10^{7}$ L ($9.0 \times 10^{6}$ gal) of process condensate from the D-2 Receiver Tank in the 202-S Building. The waste was low salt and neutral/basic liquid waste. The radiological inventory for this facility includes 1.14 Ci of strontium-90, 3.47 Ci of cesium-137, 0.99 g total of

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[3]The inventories reported may not be representative of all contaminants disposed into, or stored at, the waste management facility.

plutonium, 3.49 x $10^{-6}$ Ci of ruthenium-106, 1.29 x $10^{-4}$ Ci total of uranium, 0.0611 Ci of alpha, and 9.07 Ci of beta. The chemical inventory for this facility includes 300 kg (661 lb) of nitric acid.

### 2.9.4 216-U-3 French Drain

The 216-U-3 French drain is located about 30 m (100 ft) west of the northern end of the 216-U-14 Ditch. The 216-U-3 French drain is a 4-m- (12-ft-) deep, rock-filled excavation with a 0.3-m- (1-ft-) diameter bottom and side slopes of 3:1. The drain is a Washington State registered underground injection well.

From 1954 to 1955, the 216-U-3 French drain received condensate from the 241-U Steam condenser on waste tanks at the 242-U Tank Farm. Approximately 791,000 L (208,961 gal) of low salt, neutral-basic condensate has been pumped into the drain. The radiological inventory for this facility includes 1.57 x $10^{-3}$ Ci of cobalt-60, 0.041 Ci of strontium-90, 0.434 Ci of cesium-137, 0.100 g total of plutonium, 5.7 x $10^{-3}$ Ci of plutonium-239, 1.54 x $10^{-3}$ Ci of plutonium-240, 6.06 x $10^{-3}$ Ci total of uranium, 6.14 x $10^{-3}$ Ci of alpha, and 0.2 Ci of beta. The chemical inventory for this facility includes 9 kg (20 lb) of nitrate. No surface contamination was detected in the 1990 survey, and high gamma activity was observed in a nearby groundwater monitoring well (299-W19-1).

### 2.9.5 216-U-10 Pond

The 216-U-10 Pond is located 37 m (120 ft) southwest of the active section of the 216-U-14 Ditch. The pond was constructed in 1944 to receive low-level liquid effluent from the plutonium processing plant complex. At its maximum extent, the pond covered approximately 30 acres (12 ha) and received more than 1.63 x $10^{11}$ L (4.3 x $10^{10}$ gal) of contaminated liquid. The 216-U-10 Pond was deactivated in 1985. After deactivation, the pond was stabilized with a minimum of 1.2 m (4 ft) of clean soil.

The estimated radiological inventory for the 216-U-10 Pond includes 8.2 kg (18 lb) of plutonium, 1,500 kg (3,300 lb) of uranium, 15.3 Ci of cesium-137, and 22.6 Ci of strontium-90. Radionuclides detected in U Pond sediment samples before the pond was covered are sodium-22, potassium-40, cobalt-60, strontium-85, strontium-90, ruthenium-106, antimony-125, cesium-134, cesium-144, europium-154, europium-155, uranium-234, uranium-235, uranium-238, plutonium-238, plutonium-239, plutonium-240, americium-241, and radium-226 (RHO-HS-SA-19 [Last 1983]).

### 2.9.6 216-U-13 Trench

The 216-U-13 Trench operated from 1952 to 1956 for equipment decontamination. Located immediately west of the 241-U Tank Farm, 216-U-13 Trench consists of two sites, each 61 m (200 ft) long, 7.6 m (25 ft) deep, and 5.5 m (18 ft) wide at the bottom. According to the Waste Information Data System, there are 640 $m^3$ (22,601 $ft^3$) of contaminated soil and 11,000 $m^3$ (388,459 $ft^3$) of overburden soil at this site. A comprehensive

radiation survey was made in 1981 of the ground and surface vegetation in the zoned area of the trenches. Readings were less than background, except for two locations. The area has since been released as a radiation zone, and no markers or barriers identify the location.

The 216-U-13 Trench received 114,000 L (30,116 gal) of liquid waste. The radiological inventory for this facility includes 1.79 x $10^{-3}$ Ci of cobalt-60, 0.042 Ci of strontium-90, 0.044 Ci of cesium-137, 0.100 g total of plutonium, 5.7 x $10^{-3}$ Ci of plutonium-239, 1.54 x $10^{-3}$ Ci of plutonium-240, 1.2 x $10^{-4}$ Ci total of uranium, 6.14 x $10^{-3}$ Ci of alpha, and 0.176 Ci of beta.

### 2.9.7 216-Z-1D Ditch

The 216-Z-1D Ditch is located about 152.5 m (500 ft) northwest of the 216-U-14 Ditch. The 216-Z-1D Ditch operated from December 1944 to March 1959 as a liquid disposal site for Z Plant operations. Z Plant operations include the Plutonium Finishing Plant, Recuplex Plutonium Recovery Plant, Plutonium Reclamation Facility, and the Americium Recovery Facility. The ditch received approximately 1,000,000 L (264,173 gal) of process cooling water, steam condensate, and vacuum pump sealant water from the 321-Z, 234-5Z, and 291-Z Buildings. Wastewater from this facility drained into the 216-U-10 Pond. It was deactivated and replaced by the 216-Z-11 Ditch in 1959. The contamination burden of the site includes 137 Ci of plutonium-239 and 37 Ci of plutonium-240. The chemical inventory for the ditch includes carbon tetrachloride and tributyl phosphate.

### 2.9.8 216-Z-11-2 Ditch

The 216-Z-11-2 Ditch is located about 152.5 m (500 ft) northwest of the 216-U-14 Ditch boundary. The 216-Z-11-2 Ditch began operations in 1959 and served as a replacement ditch for the 216-Z-1D Ditch. It paralleled the earlier ditch from a point immediately east of the 241-Z Building to the 216-U-10 Pond. The 216-Z-11-2 Ditch received liquid waste from Plutonium Finishing Plant operation until it was deactivated and replaced by the 216-Z-19 Ditch in 1971. The site was stabilized (i.e., backfilled and graded) when it was retired. Additional fill was added during the deactivation of the 216-Z-19 Ditch in 1981. The ditch was 798 m (2,615 ft) long, 0.6 m (2 ft) deep, and 1.2 m (4 ft) wide at the bottom with side slopes of 2:5:1 and a 0.05% grade.

Radiological contaminants within the ditch include 137 Ci of plutonium-239 and 37 Ci of plutonium-240. The chemical inventory is part of the 216-U-10 Pond inventory. The total volume of liquid processed is not reported.

### 2.9.9 216-Z-19 Ditch

The 216-Z-19 Ditch is about 305 m (1,000 ft) northwest of the 216-U-14 Ditch. The 216-Z-19 Ditch operated from May 1971 to September 1981 and replaced the 216-Z-11-2 Ditch as a liquid waste disposal site for the various Plutonium Finishing Plant facilities. The ditch received process

cooling waste and steam condensate from the 234-5Z Building, vacuum pump seal water from the 291-Z Building, and cooling water from the 231-Z Building. The total volume of liquid processed is not reported. The chemical and radiological inventory is similar to 216-Z-11-1 and 216-Z-1D Ditches.

### 2.9.10 216-Z-20 Crib

The 216-Z-20 Crib is located about 396 m (1,300 ft) northeast of the 216-U-14 Ditch. The 216-Z-20 Crib was constructed in 1981 to discharge liquid effluent from the Plutonium Finishing Plant. The crib is 457 m (1,500 ft) long, 3 m (10 ft) wide on the bottom, and backfilled with 2.3 m (7.5 ft) of gravel. Perforated pipes, connected to the building's effluent headers, were embedded in the gravel backfill to distribute effluents throughout the crib. A vapor barrier was placed above the gravel backfill. The remaining area above the vapor barrier was covered with soil to the existing grade. The average flow into the ditch since 1989 is $2.33 \times 10^7$ L/month ($5.5 \times 10^6$ gal/month). The total volume of liquid released to the crib is $4.05 \times 10^9$ L ($9.5 \times 10^8$ gal). Chemicals disposed to the crib include acetone, aluminum, and nitrate. The radiological inventory for this facility includes 0.063 Ci of strontium-90, 0.0864 Ci of cesium-137, 0.148 g total of plutonium, 0.0153 Ci of plutonium-238, 2.03 Ci of plutonium-239, 2.51 Ci of plutonium-241, $1.07 \times 10^{-4}$ Ci of ruthenium-106, 1.01 Ci of americium-241, 2.22 Ci of alpha, and 0.41 Ci of beta. Hydrologic and contaminant impacts from the 216-Z-20 Crib are addressed in WHC-EP-0674 (Johnson 1993a).

### 2.9.11 241-S Tank Farms

The 241-S Area Tank Farms inclusive of 241-S, 241-SY, and 241-SX Tank Farms are located about 150 m (492 ft) south of the 216-U-14 Ditch. The 241-S and 241-SX Tank Farms contain 27 single-shelled tanks constructed from 1950 to 1951 and 1953 to 1954, respectively. The three double-shelled tanks in the 241-SY Tank Farm were constructed from 1974 to 1976. Each tank in the farms has a 3,785,000-L (1,000,000-gal) storage capacity. The radiological and chemical inventory for the 241-S Tank Farms are found in DOE-RL (1992a).

### 2.9.12 241-U Tank Farm

The 214-U Tank Farm is located about 91 m (300 ft) northwest of the northern most point of the 216-U-14 Ditch. The 241-U Tank Farm was constructed between 1943 and 1944 to handle and store liquid wastes generated by uranium and plutonium processing activities. Sixteen single-shell tanks are present in this farm: 12 are 2,006,000-L (530,000-gal) capacity and 4 are 208,000-L (55,000-gal) capacity. Wastes stored in the tanks include sludge, supernatant liquid waste, bismuth phosphate metal waste, nitric acid, potassium permanganate solution, uncomplex waste, high-level waste (HLW), salt cake and other precipitated solids, laboratory waste, uranium, organic waste, and plutonium. The radiological and chemical inventory for the 241-U Tank Farm is found in DOE-RL (1992b).

# 3.0 DATA COLLECTION ACTIVITIES

This section describes Phase I and II data collection activities and summarizes the data. Phase I activities involved a search for existing data. Phase II activities consist of the field investigations and document existing conditions at the 216-U-14 Ditch. Activities described in this section were conducted in accordance with the *Groundwater Impact Assessment Plan for the 216-U-14 Ditch* (Singleton 1993) as a guide.

## 3.1 PHASE I--COMPILE EXISTING DATA

The Phase I investigation consisted of three major tasks. Task I.1--Compile Existing Waste Stream Chemistry, provides data to assess the potential contaminant contribution to the ditch. Task I.2--Compile Discharge Data, documents the quantity of liquid discharge to the ditch. Task I.3--Compile Hydrogeologic Data, provides input for development of the site conceptual model.

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### 3.1.1 Task I.1 and I.2--Compile Discharge and Waste Stream Chemistry Data

An effort was made to compile waste stream chemistry and discharge data from facilities releasing effluent to the 216-U-14 Ditch. The data is compiled to identify potential contaminants, estimate contaminant loading, and determine the quantity of liquid discharged. The information was obtained from historical documents (References 1 through 48) and incorporates all known or available data for the timeframe that effluent flowed through or into the active section of the ditch. Contributing effluent streams and the timeframe of discharge are shown in Figure 2.

The lack of stream-specific analysis data, periodic dredging of the ditch, and recording of individual waste stream data in the U Pond inventory precludes the gathering of reliable information to determine contaminant loading. No data were available to evaluate the nonradiological contribution to the ditch before 1985 and the radiological inventory is at best fragmentary. Therefore, only the reported values of effluent discharge and chemical and radiological inventory are summarized. Actual contaminant values in the waste stream are presumed to be greater.

Waste stream data is presented in Tables 1 through 3 and Figures 3 and 4. Table 1 summarizes effluent data from the 242-S Evaporator. Table 2 summarizes effluent data from $UO_3$/U Plant. Table 3 summarizes discharge and radiological inventory from 1944 to 1993. A plot of the estimated volume of effluent discharged to the U Pond disposal system between 1944 and 1986 is shown in Figure 3, including its major tributaries. Figure 4 is a plot of the volume discharged to the ditch from 1968 to 1993.

**3.1.1.1 Unusual/Offnormal Occurrences.** Four unusual/offnormal releases are documented in the Occurrence Reporting System (ORS) regarding the 216-U-14 Ditch. The releases occurred on August 6, 1986; May 5, 1992;

Table 1. 242-S Evaporator Steam Condensate Chemical Data Summary for the 216-U-14 Ditch (WHC 1990b). (sheet 1 of 2)

| Chemical | 242-S Steam Condensate Wastewater (ppb) | | | |
|---|---|---|---|---|
| | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ |
| | 1986 | 1987 | 1989 | 1990 |
| Barium | 25 | 27 | 30 | 30 |
| Boron | ND | ND | 11[a] | 21 |
| Calcium | 19,000 | 19,000 | 20,000 | 19,000 |
| Chloride | 3,400 | 3,200 | 3,600 | 3,900 |
| Copper | <10 | <10 | <10 | 12[a] |
| Fluoride (IC) | <500 | <500 | <500 | 750[a] |
| Fluoride (ISE) | ND | ND | 160 | 120 |
| Iron | 61[a] | <5 | <5 | <5 |
| Lead | 6.1[a] | <5 | <5 | <5 |
| Magnesium | 4,200 | 4,200 | 4,100 | 4,500 |
| Manganese | 17 | <5 | <5 | <5 |
| Nitrate | 550[a] | <500 | 500[a] | 500[a] |
| Potassium | 900 | 850 | 750 | 720 |
| Silicon | ND | ND | 2,200 | 2,100 |
| Sodium | 2,200 | 2,200 | 2,200 | 2,100 |
| Strontium | <300 | <300 | 100 | 100 |
| Sulfate | 13,000 | 17,000 | 13,000 | 15,000 |
| Sulfide | <1,000 | 1,020[a] | <1,000 | <1,000 |
| Uranium | 0.5 | 0.2 | 0.3 | 0.3 |
| Zinc | 75 | 80 | 40 | 20 |
| Ammonia | 52[a] | <50 | 50[a] | <50 |
| Halogenated hydrocarbons | ND | ND | 34 | NA |
| Trichloromethane | 22 | 20 | 21 | 14 |

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Table 1. 242-S Evaporator Steam Condensate Chemical Data Summary for the 216-U-14 Ditch (WHC 1990b). (sheet 2 of 2)

| Chemical | 242-S Steam Condensate Wastewater (ppb) | | | |
|---|---|---|---|---|
| | [$\overline{X}$] | [$\overline{X}$] | [$\overline{X}$] | [$\overline{X}$] |
| | 1986 | 1987 | 1989 | 1990 |
| Alkalinity (method B) | ND | ND | 55,000 | 58,000 |
| Alpha activity (pCi/L) | 1 | 0.4 | 0.7[a] | <0.2 |
| Beta activity (pCi/L) | 8 | 2 | 3[a] | <0.5 |
| Conductivity (μS) | 160 | 150 | 160 | 160 |
| Ignitability (°F) | ND | ND | 200 | 200 |
| pH | 5.6 | 5.8 | 7.7 | 8.0 |
| Total dissolved solids | ND | ND | 77,000 | 76,000 |
| Temperature (°C) | 28 | 27 | 21 | 21 |
| Total organic carbon | 1,000 | 1,500 | <1,000 | <1,000 |
| Total carbon | ND | ND | 15,000 | 14,000 |
| Total organic halogen (as chloride) | 130 | 130 | 180 | 130 |
| Cobalt-60 (pCi/L) | ND | ND | 0.6 | 1 |
| Strontium-90 (pCi/L) | ND | ND | 0.2 | <0.3 |
| Uranium-234 (pCi/L) | ND | ND | 0.1 | 0.2 |
| Uranium-238 (pCi/L) | ND | ND | 0.1 | 0.1 |

[a]Indicates a less than (<) value was used in calculating the average.
IC = Ion chromatography.
ISE = Ion specific electrode.
ND = No data.
ppb = Parts per billion.
[$\overline{X}$] = Mean concentration.

Table 2. $UO_3$/U Plant Wastewater Chemical Data Summary for the 216-U-14 Ditch (WHC 1990b). (sheet 1 of 2)

| Chemical | $UO_3$/U Plant Wastewater Chemistry (ppb) | | | | |
|---|---|---|---|---|---|
| | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ |
| | 1985 | 1986 | 1987 | 1989 | 1990 |
| Arsenic (EP toxic) | ND | ND | ND | <500 | <500 |
| Barium | 26 | 28 | 30 | 30 | 29 |
| Barium (EP toxic) | ND | ND | ND | <1,000 | <1,000 |
| Boron | ND | ND | ND | 11 | 22 |
| Cadmium (EP toxic) | ND | ND | ND | <100 | <100 |
| Calcium | 17,000 | 17,000 | 20,000 | 18,000 | 18,000 |
| Chloride | 1,200 | 600[a] | 890 | 900 | 940 |
| Chromium (EP toxic) | ND | ND | ND | <500 | <500 |
| Copper | <10 | <10 | 16 | 31 | 15[a] |
| Fluoride (IC) | <500 | <500 | <500 | <500 | <500 |
| Fluoride (ISE) | ND | ND | ND | 130 | 130 |
| Iron | 240 | 110 | <50 | <30 | 30[a] |
| Lead | <30 | 9 | <5 | <5 | <5 |
| Lead (EP toxic) | ND | ND | ND | <500 | <500 |
| Magnesium | 3,900 | 3,800 | 4,600 | 4,000 | 4,400 |
| Manganese | 50 | 20 | <5 | <5 | <5 |
| Mercury (EP toxic) | ND | ND | ND | <500 | <500 |
| Nitrate | <500 | <500 | <500 | 500 | 530[a] |
| Potassium | 930 | 730 | 720 | 690 | 730 |
| Selenium (EP toxic) | ND | ND | ND | <500 | <500 |
| Silicon | ND | ND | ND | 2,200 | 2,100 |
| Sodium | 2,400 | 2,100 | 2,100 | 1,900 | 2,000 |
| Silver (EP toxic) | ND | ND | ND | <500 | <500 |
| Strontium | <300 | <300 | <300 | 90 | 100 |
| Sulfate | 11,000 | 8,900 | 12,000 | 8,900 | 10,400 |
| Thallium | ND | ND | ND | 7 | <5 |
| Uranium | 0.8 | 5 | 0.5 | 3 | 0.7 |
| Zinc | 72 | 7[a] | 8 | <5 | 5[a] |
| Ammonia | <50 | 54[a] | <50 | 63 | <50 |
| Bis-(2-ethylhexyl) phthalate | 510 | <10 | <10 | <10 | <10 |

Table 2. $UO_3$/U Plant Wastewater Chemical Data Summary for the 216-U-14 Ditch (WHC 1990b). (sheet 2 of 2)

| Chemical | $UO_3$/U Plant Wastewater Chemistry (ppb) | | | | |
|---|---|---|---|---|---|
| | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ | $[\overline{X}]$ |
| | 1985 | 1986 | 1987 | 1989 | 1990 |
| 1-Butanol | ND | ND | ND | <10,000 | <10,000 |
| Dichloromethane | <10 | <10 | <10 | <5 | <5 |
| Alkalinity (method B) | ND | ND | ND | 54,000 | 58,000 |
| Alpha activity (pCi/L) | 0.4 | 120 | 0.7 | 5 | 0.7[a] |
| Beta activity (pCi/L) | 1.4 | 26 | 6 | 2 | 2.1[a] |
| Conductivity (μS) | 140 | 100 | 160 | 140 | 130 |
| Ignitability (°F) | ND | ND | ND | 210 | 200 |
| pH | 8.2 | 6.6 | 5.1 | 6.3 | 7.3 |
| Reactivity cyanide (mg/kg) | ND | ND | ND | <100 | <100 |
| Reactivity sulfide (mg/kg) | ND | ND | ND | <100 | <100 |
| Total dissolved solids | ND | ND | ND | 66,000 | 71,000 |
| Temperature (°C) | 23 | 34 | 18 | 16 | 11 |
| Total organic carbon | 14,000 | 1,600[a] | 1,300 | <1,200 | 1,000[a] |
| Total carbon | ND | ND | ND | 15,000 | 15,000 |
| Total organic halides (as chloride) | <6 | <40[a] | 30 | 11 | 3 |
| Cobalt-60 (pCi/L) | ND | ND | ND | <0.1 | 1.2 |
| Plutonium-239/240 (pCi/L) | ND | ND | ND | ND | 0.0035[a] |
| Uranium-324 (pCi/L) | ND | ND | ND | 1.6 | 0.3 |
| Uranium-235 (pCi/L) | ND | ND | ND | 0.2 | 0.012[a] |
| Uranium-238 (pCi/L) | ND | ND | ND | 1 | 0.3 |
| Total uranium from unplanned releases | August 1986 | May 1992 | October 1992 | March 1993 | -- |
| | 100 lb | 26.4 lb | 16 lb | 5 lb | -- |
| Total release of nitric acid | 225,000 lb | -- | -- | -- | -- |

[a]Indicates a less than (<) value was used in calculating the average.
EP = Extraction procedure.
lb = Pounds.
ND = No data.
ppb = Parts per billion.
[X] = Mean concentration.

Table 3. 216-U-14 Ditch Effluent Discharge and Radiochemistry.

| Year | Volume (L) | Alpha (Ci) | Beta (Ci) | H-3 (Ci) | $^{90}Sr$ (Ci) | $^{137}Cs$ (Ci) | U | $^{239}Pu$ | $^{241}Am$ (Ci) | $^{106}Ru$ (Ci) | $^{60}Co$ (Ci) | $^{144}Ce$ (Ci) | $^{155}Eu$ (Ci) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1944-1968 | $1.1 \times 10^{11}$ | -- | 720 | -- | 22 | 15 | 1,400 kg | 8,000 g | -- | 310 | -- | -- | -- |
| 1969 | $2.9 \times 10^{9}$ | -- | 3 | -- | -- | -- | 24 kg | <0.14 g | -- | -- | -- | -- | -- |
| 1970 | $1.7 \times 10^{9}$ | -- | 1.8 | -- | -- | -- | 9.6 kg | <0.12 g | -- | -- | -- | -- | -- |
| 1971 | $1.8 \times 10^{9}$ | -- | 3.1 | -- | -- | -- | 13 kg | <0.014 g | -- | -- | -- | -- | -- |
| 1972 | $1.5 \times 10^{9}$ | -- | 1.7 | -- | -- | -- | 6.5 kg | <0.024 g | -- | -- | -- | -- | -- |
| 1973 | $1.2 \times 10^{9}$ | -- | <0.08 | -- | -- | -- | <3.4 kg | <0.019 g | -- | -- | -- | -- | -- |
| 1974 | $5.0 \times 10^{9}$ | -- | <0.18 | -- | -- | -- | <40 kg | <0.24 g | -- | -- | -- | -- | -- |
| 1975 | $4.6 \times 10^{9}$ | -- | <0.36 | -- | -- | -- | <36 kg | <0.24 g | -- | -- | -- | -- | -- |
| 1976 | $5.6 \times 10^{9}$ | -- | <0.14 | <0.14 | -- | -- | <46 kg | <0.18 g | -- | -- | -- | -- | -- |
| 1977 | $5.2 \times 10^{9}$ | -- | <0.26 | <0.41 | -- | -- | <44 kg | <0.43 g | -- | -- | -- | -- | -- |
| 1978 | $5.3 \times 10^{9}$ | -- | <0.21 | <0.61 | 0.014 | 0.011 | <47 kg | <0.53 g | 0.00006 | <0.012 | <0.007 | <0.0008 | 5.8 |
| 1979 | $4.0 \times 10^{9}$ | -- | <0.47 | <1.8 | 0.022 | 0.16 | <3,200 kg | <0.28 g | 0.000008 | 0.0033 | 0.0055 | -- | -- |
| 1980 | $3.1 \times 10^{9}$ | -- | <3.8 | <0.23 | 0.05 | <1.7 | <400 kg | <0.69 g | <0.0014 | -- | -- | 0.0066 | -- |
| 1981 | $1.6 \times 10^{9}$ | -- | <0.7 | <0.02 | <0.04 | 0.11 | -- | <0.27 g | <0.0003 | -- | -- | -- | -- |
| 1982 | $5.3 \times 10^{8}$ | <0.0003 | <0.003 | <0.01 | <0.00006 | <0.0007 | <0.27 kg | -- | -- | -- | -- | -- | -- |
| 1983 | $3.5 \times 10^{8}$ | <0.000088 | <0.0004 | <0.01 | -- | <0.0007 | -- | -- | -- | -- | -- | -- | -- |
| 1984 | $8.4 \times 10^{8}$ | <0.00004 | <0.0006 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1985 | $4.2 \times 10^{8}$ | <0.008 | <0.02 | -- | -- | -- | <0.02 Ci | <0.014 Ci | <0.25 | -- | -- | -- | -- |
| 1986 | $5.4 \times 10^{8}$ | <0.007 | <0.04 | -- | -- | -- | 0.013 Ci | -- | -- | -- | -- | -- | -- |
| 1987 | $8.6 \times 10^{8}$ | 0.0003 | <0.003 | -- | <0.00009 | <0.00013 | 0.002 Ci | -- | -- | -- | -- | -- | -- |
| 1988 | $2.87 \times 10^{8}$ | <0.002 | <0.005 | <0.42 | <0.0003 | <0.0008 | 0.003 Ci | <0.004 Ci | <0.02 | -- | -- | -- | -- |
| 1989 | $3.84 \times 10^{8}$ | <0.002 | <0.009 | 200 | <0.0003 | <0.0009 | 0.007 Ci | <0.008 Ci | <0.01 | -- | -- | -- | -- |
| 1990 | $2.3 \times 10^{8}$ | 0.0007 | 0.002 | 0.2 | 0.004 | 0.02 | 0.0003 Ci | 0.0005 Ci | 0.005 | -- | -- | -- | -- |
| 1991 | $1.9 \times 10^{9}$ | 0.01 | 0.02 | 2.1 | 0.01 | -- | 0.03 Ci | -- | -- | -- | -- | -- | -- |
| 1992 | $2.8 \times 10^{8}$ | 0.012 | 0.045 | 0.0036 | -- | 0.0045 | -- | -- | -- | -- | -- | -- | -- |
| 1993 | $2.4 \times 10^{8}$ | 0.028 | 0.111 | -- | -- | -- | 0.00078 Ci | -- | -- | -- | -- | -- | -- |

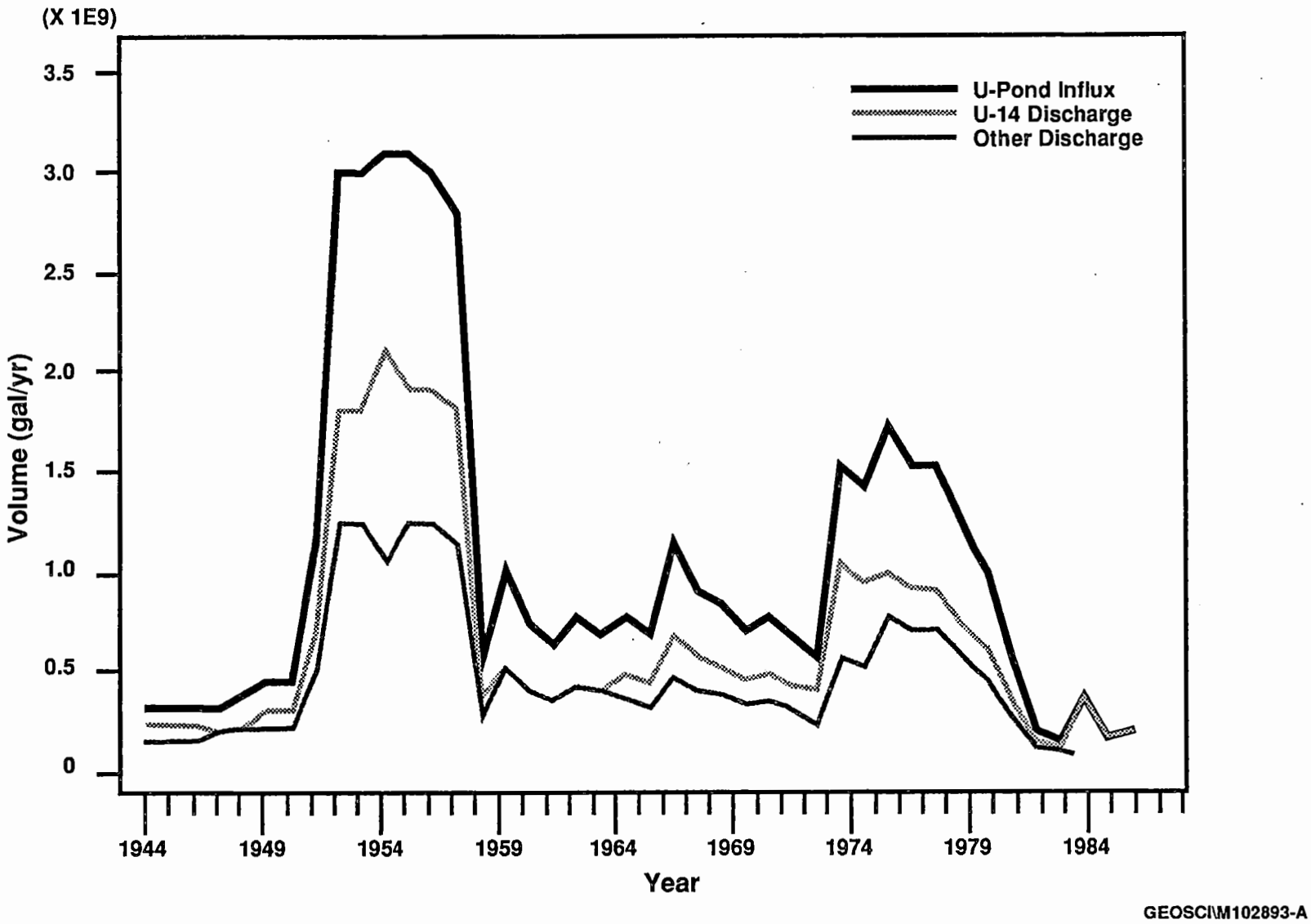



Figure 3. Plot of Estimated Volume Discharge to the U Pond Disposal System and Major Tributaries from 1944 to 1986.

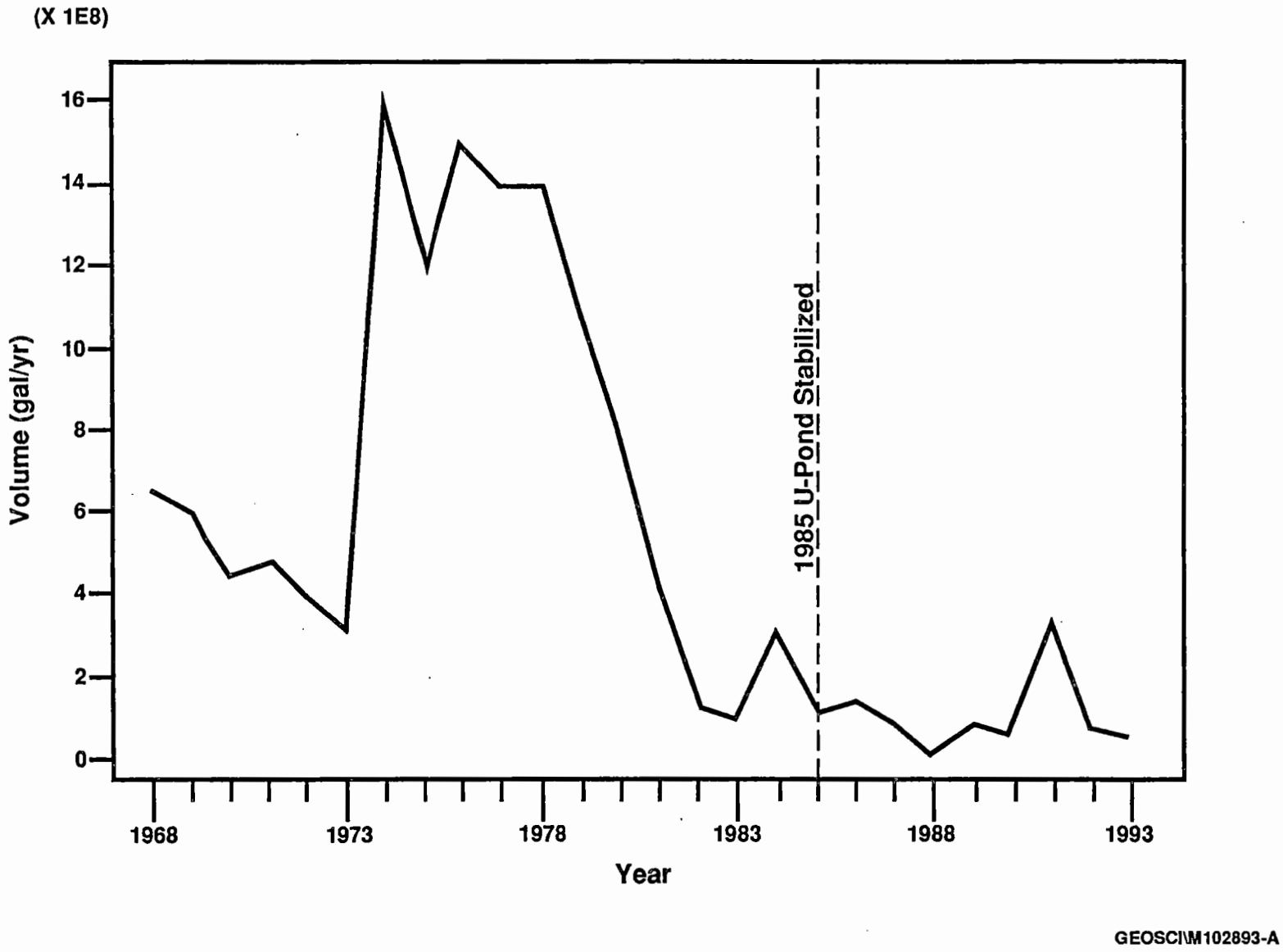



Figure 4. Plot of Discharge to the 216-U-14 Ditch from 1968 to 1993.

October 19, 1992; and in March 1993. The first release was the largest and had the greatest potential for impact. Approximately 3,013 L (796 gal) of a 50% reprocessed nitric acid solution containing uranium were discharged from the $UO_3$/U Plant. The total release to the environment consisted of about 102,060 kg (225,000 lb) of corrosive solution (pH less than 2) and 45 kg (100 lb) of uranium (DOE-RL 1993). An estimated 12 kg (26.4 lb) of uranium waste was released in the second spill. Respectively, 7 and 2 kg (16 and 5 lb) of uranium were released in the third and fourth spill. The pH was greater than 3.5 in the last three spills.

### 3.1.2 Task 3--Compile Hydrogeologic Data

Existing hydrogeologic data were gathered to provide input for development of the site conceptual model. Existing data consists of geologic logs, water table maps, well construction data, chemistry data, and literature pertaining to the regional and local hydrogeology. Documents that provided input include the following:

- *Geology and Hydrology of the Hanford Site: A Standardized Text for Use in Westinghouse Company Documents and Reports* (Delaney et al. 1991)
- *Revised Stratigraphy of the Ringold Formation, Hanford Site, South-Central, Washington* (Lindsey 1991)
- *Sedimentology and Stratigraphy of the Miocene-Pliocene Ringold Formation, Hanford Site, South-Central Washington* (Lindsey and Gaylord 1989)
- *Groundwater Impact Assessment Plan for the 216-U-14 Ditch* (Singleton 1993)
- *216-U-10 Pond and 216-Z-19 Ditch Characterization Studies* (Draft) (Last 1981)
- *Environmental Characterization of the 216-U-14 Ditch* (Landeen and Leitz 1982)
- Hanford Environmental Information System.

**3.1.2.1 Previous Investigation at the 216-U-14 Ditch.** Until 1980, no formal characterization study was conducted at the 216-U-14 Ditch (Landeen and Leitz 1982). However, sediments, water, aquatic vegetation, and small mammal were occasionally sampled and analyzed. Results are documented in annual environmental surveillance reports. Because this report focuses only on groundwater and vadose zone contamination, the available data pertaining to the subsurface are presented.

Before 1970 no data were available to evaluate contamination in the soil column. One to two sediment samples were collected and analyzed from the ditch each year during the 1970's. The value of these samples are of limited use because sample depths, sample methods, and locations are not well

documented. Based on typical sampling protocols used during the 1970's, samples were likely collected from less than 30 cm (12 in.) below the bottom of the ditch.

The average concentration and range of contamination from samples collected from the bottom of the ditch in the 1970's are summarized below. The average concentration of cobalt-60 is 815 pCi/g and the range is 99 to 2,500 pCi/g. The average concentration of cesium-137 is 207 pCi/g and the range is 63 to 876 pCi/g. The average concentration of strontium-90 is 625 pCi/g and the range is 0.04 to 2,310 pCi/g. The average concentration of plutonium-239 and -240 is 62 pCi/g and the range is less than detectable to 147 pCi/g. The average concentration of americium-241 is 27 pCi/g and the range is 6.9 to 50 pCi/g. Radiological results from sediment samples collected from the 216-U-14 Ditch between 1970 and 1980 are shown in Table 4. Sediment samples were not chemically analyzed during the 1970's.

Sediments collected and analyzed from the ditch were better documented after 1980. Landeen and Leitz (1982), collected sediment samples from the bottom of the ditch to a depth of 5 to 30 cm (2 to 12 in.) with a thick-walled plastic pipe. Samples were collected from U Pond to the head end of the ditch and analyzed for radionuclides.

Results from 21 sediment samples collected in the center of the ditch are as follows: cesium-137 averaged 371 pCi/g and ranged from 2.3 to 1,500 pCi/g, cobalt-60 averaged 33.5 pCi/g and ranged from 0.23 to 150 pCi/g, and total uranium averaged 30.3 ppm (9.9 pCi/g) and ranged from 1.9 to 130 ppm (0.63 to 42.9 pCi/g) (Landeen and Leitz 1982). The approximate locations of sampling points and contaminant levels for cobalt-60, cesium-137, and total uranium are shown in Figures 5, 6, and 7, respectively. These data provide an initial baseline of contamination within the ditch after dredging.

The next significant investigation of the 216-U-14 Ditch was conducted in 1987. Routson determined the impact in the subsurface from an unplanned release of 3,010 L (796 gal) of a uranium solution containing nitric acid on August 6, 1987. Conclusions are summarized below and based on sediment data from three perched water monitoring wells (299-W19-91, 299-W19-92, and 299-W19-93), two groundwater monitoring wells (299-W19-21 and 299-W19-27), and samples from the bottom of the ditch.

- Because normal amounts of calcium carbonate were found below the ditch, this suggests uranium is in an insoluble form that would preclude migration to the groundwater. Uranium appears to be adsorbing on sediment closer to the ditch bottom.

- A comparison of data from Landeen and Leitz (1982) and Routson (1987) (Table 5) indicates that the concentration of uranium in the bottom of the ditch has increased. This also suggests uranium is being adsorbed in the bottom of the ditch.

- In 1982 the concentration of uranium in the groundwater was 4 to 10 pCi/L. The source of uranium is probably U Pond.

Table 4. Radiological Data from Sediment Samples Collected from the 216-U-14 Ditch from 1970 through 1980 (Landeen and Leitz 1982).

| Year | Radionuclides (pCi/g) | | | | | |
|---|---|---|---|---|---|---|
| | $^{60}Co$ | $^{137}Cs$ | $^{90}Sr$ | $^{239,240}Pu$ | $^{241}Am$ | U |
| 1970 | 1,800 | 190 | ND | ND | ND | ND |
| 1971 | 103 | 162 | ND | ND | ND | ND |
| 1972 | 184 | 63 | ND | ND | ND | ND |
| 1973 | ND | ND | ND | ND | ND | ND |
| 1974 | 1,200 | 120 | ND | ND | ND | ND |
| 1975 | 500 | 180 | ND | ND | ND | ND |
| 1976 | 2,500 | 140 | ND | 104 | ND | ND |
| 1977 | 299 | 64 | 0.04 | [a] | ND | ND |
| 1978 | 569 | 128 | 164 | 30.2 | 6.9 | ND |
| 1979[b] | 99.4 | 876 | 29 | 88.3 | 50.4 | ND |
| | 902 | 142 | 2,310 | 147 | 22.4 | ND |
| 1980 | 290 | 65 | 22 | 12 | 100 | ND |

[a]Less than detectable.
[b]Samples were collected from two locations: head end of ditch and inlet U Pond.
ND = No data.

Table 5. Comparison of Uranium Concentrations in Sediments from the Bottom of the 216-U-14 Ditch in 1982 and 1987.

| Depth (in.) | Uranium 1987 (pCi/g)[a] | Uranium 1982 (pCi/g)[b] |
|---|---|---|
| 0 to 6 | 175 | 48 |
| 6 to 12 | <43 | -- |
| 0 to 6 | 175 | 19 |
| 6 to 12 | 185 | -- |
| 0 to 6 | 75 | 260 |
| 6 to 12 | 38 | 67 |

[a]Sample locations are approximately across from vadose wells 299-W19-91, 299-W19-92, and 299-W19-93 in the eastern end of the ditch (Routson 1987).
[b]Approximately the same sample location as reported in Routson (1987).

Figure 5. Cobalt-60 Concentration (pCi/g) for Sediment Samples Collected from the 216-U-14 Ditch (Landeen and Leitz 1982).

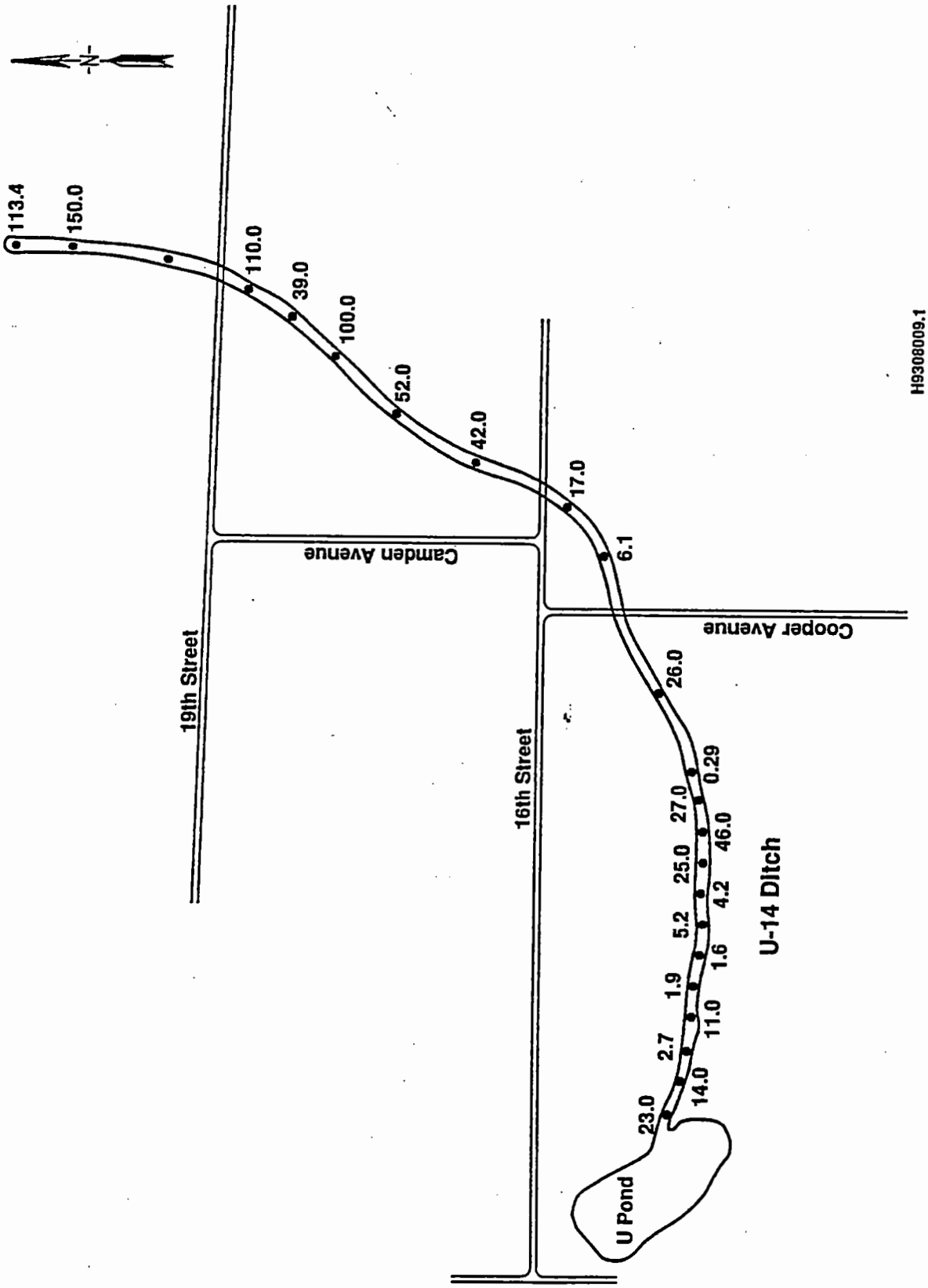


Figure 6. Cesium-137 Concentrations (pCi/g) for Sediment Samples Collected from the 216-U-14 Ditch (Landeen and Leitz 1982).

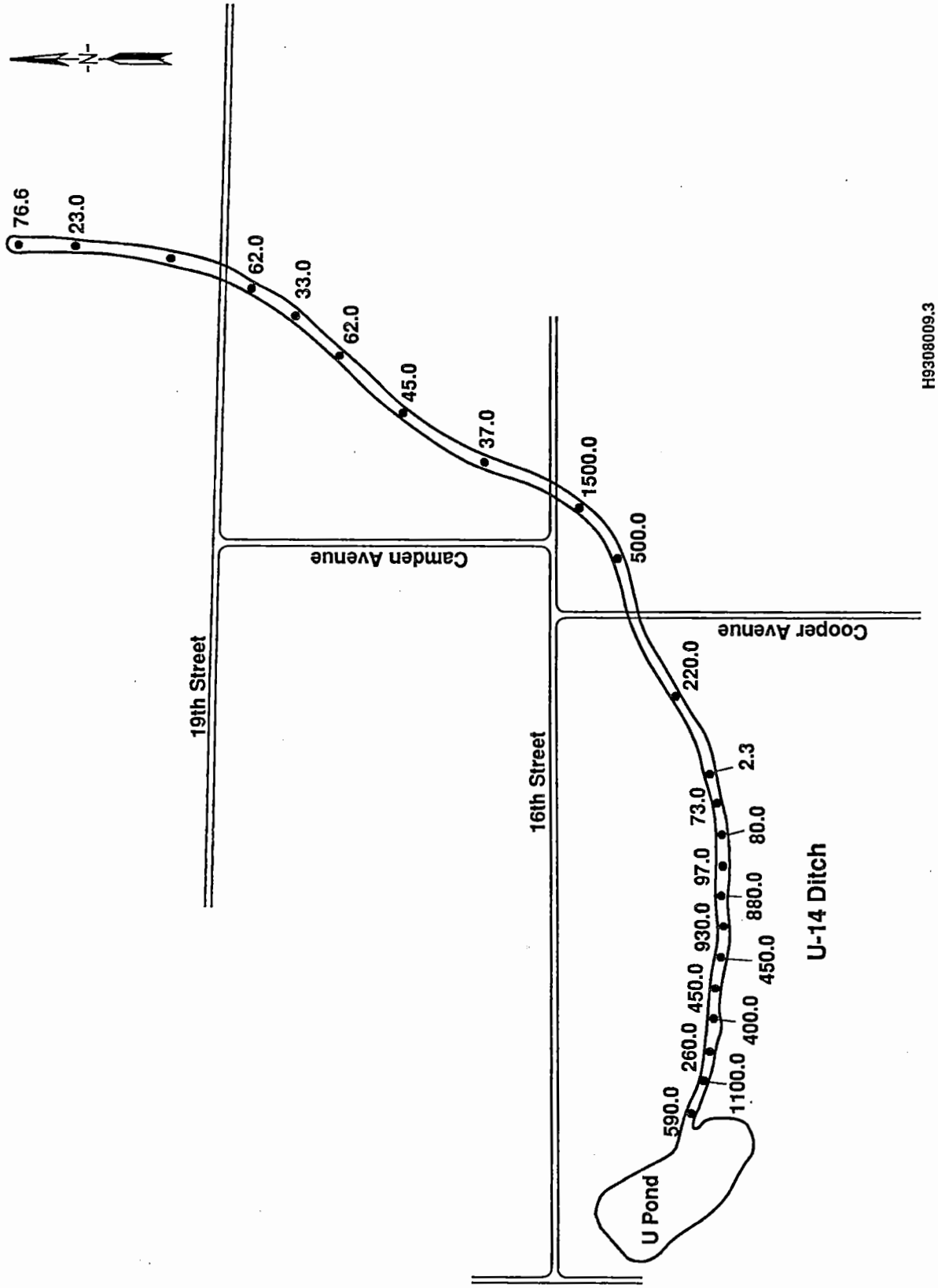
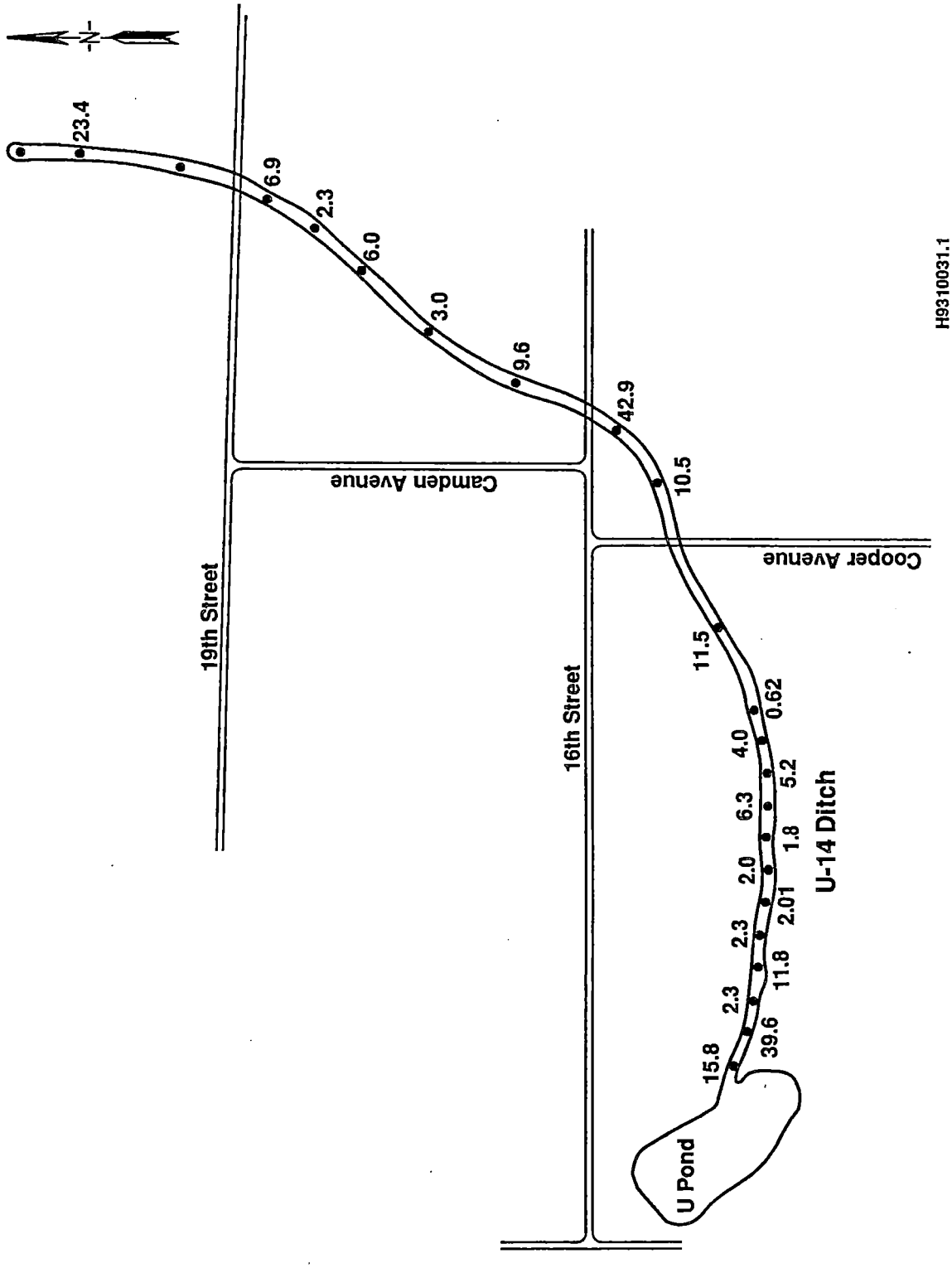


Figure 7. Uranium-238 Concentrations (pCi/g) in Sediment Samples Collected from the 216-U-14 Ditch (Modified from Landeen and Leitz 1982).



Ulbright (1987) also documents efforts to determine the extent and seepage of radioisotopes beneath the 216-U-14 Ditch. Sediment samples were analyzed for cobalt-60, cesium-137, potassium-40, radium-226, thorium-228, and uranium-235. Ulbright concluded that there appears to be no significant radioactivity above background in samples, except those collected from the bottom of the ditch.

## 3.2 PHASE II--FIELD INVESTIGATION

The Phase II investigation consisted of three major tasks. Task II.1, Groundwater Investigation, describes efforts to characterize the unconfined aquifer. Task II.2, Vadose Zone Investigation, describes efforts to characterize the vadose zone. Task II.3, Current Waste Stream Characterization, describes how the existing waste stream will be characterized.

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### 3.2.1 Tasks II.1 and II.2--Groundwater and Vadose Zone Investigation

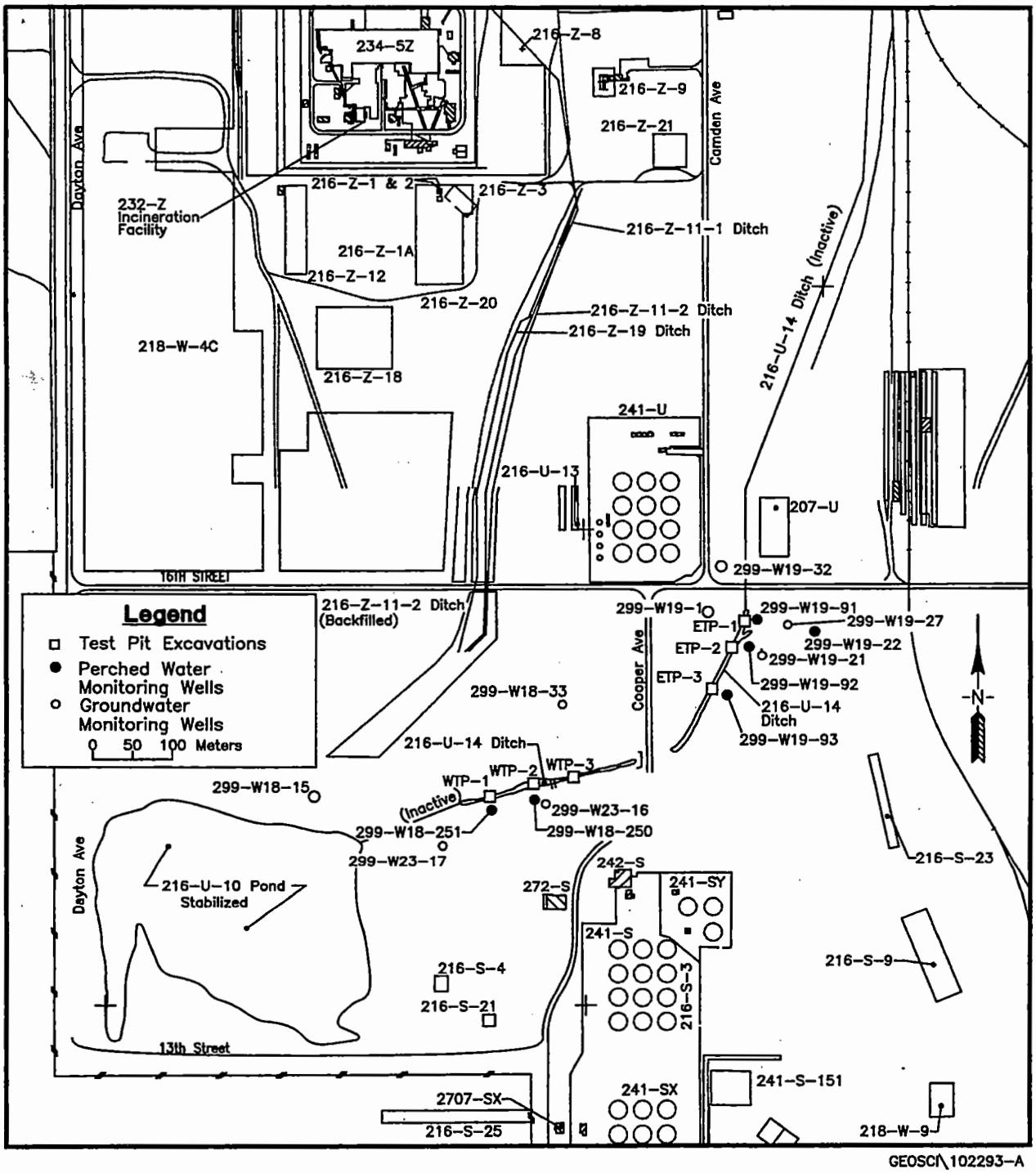
The groundwater and vadose zone investigation defines existing conditions in the subsurface for development of the site conceptual model. Data are provided to identify geologic and hydrogeologic units, better define groundwater flow paths and aquifer properties, characterize contamination in the groundwater and vadose zone, and estimate soil properties in the vadose zone.

Three groundwater monitoring wells, two perched water monitoring wells, and three test pits were drilled or excavated to support the groundwater and vadose investigation. Eight existing wells and three test pits also provide data to define existing conditions at the site. The location of groundwater wells, perched water monitoring wells, and test pits are shown in Figure 8.

Drilling and construction of new wells were consistent with the Generic Well Specification (Swanson 1990) and the *Environmental Investigation and Site Characterization Manual*, WHC-CM-7-7 (EII). The specification outlines basic requirements for well construction that are consistent with Chapter 172-160, *Washington Administrative Code*, "Minimum Standards for Construction and Maintenance of Wells." The EII consists of procedural directives. A brief history and construction information is provided for each well in Section 3.2.2. As-builts of monitoring wells are documented in Appendix A.

**3.2.1.1 Geologic Logging.** A geologic log has been generated for each well in the 216-U-14 Ditch groundwater monitoring network. Logs for existing wells were obtained from Westinghouse Hanford Company files. Each new monitoring well was evaluated for geologic description and identification of stratigraphic units according to EII 9.1, Geologic Logging. A geologic summary for each well is documented in Appendix A with the as-built of the well.

Figure 8. Location Map for Monitoring Wells and Test Pits.



**3.2.1.2 Geologic Sampling.** Geologic samples were collected from each new well to determine soil properties and provide input parameters for the flow and transport model. Samples were analyzed selectively for the following tests: particle size distribution, saturated hydraulic conductivity, bulk density/porosity, moisture content, and moisture retention. Samples were collected using a drive barrel or split spoon sampler. Saturated hydraulic conductivity and moisture retention were only collected with a split spoon with liners. Sampling was conducted according to EII 5.2, Soil and Sediment Sampling. Testing was conducted according to the Geotechnical Engineering Procedure Manual, WHC-EP-0367 (WHC 1990a). Data pertaining to soil property are summarized in Appendix B.

**3.2.1.3 Chemical Sediment Sampling.** Sediment samples were collected from each new well to assess the nature and extent of chemical contamination in the vadose zone. Samples were collected at major facies changes and analyzed for Appendix IX (40 *Code of Federal Regulations* [CFR] 264) constituent and other effluent stream analytes of interest. All samples were collected in a split spoon sampler. Sampling equipment was decontaminated according to EII 5.5, 1706 KE Laboratory Decontamination of RCRA/RCRA Sampling Equipment. Sampling was conducted according to EII 5.2, Soil and Sediment Sampling. Data pertaining to chemical sediment sampling are presented in Appendix C.

**3.2.1.4 Radiological Sediment Sampling.** Sediment samples were collected from each new well to assess the nature and extent of radiological contamination in the vadose zone. Samples were collected at major facies changes and at the discretion of the site geologists. Samples were analyzed for americium-241, cesium-137, plutonium-239, strontium-90, and uranium. Samples were collected using a drive barrel or split spoon sampler. Sampling was conducted according to EII 5.2, Soil and Sediment Sampling. Sampling equipment was decontaminated according to EII 5.4, Field Cleaning, and/or decontamination of equipment. Before sample collection the equipment was also surveyed for the presence of gamma and beta emitters. Data pertaining to radiological sediment sampling are presented in Appendix D.

**3.2.1.5 Perched Water Sampling.** Perched water encountered while drilling new wells was collected and analyzed for Appendix IX (40 CFR 264) constituents, uranium, cesium-137, gross alpha and beta, americium-241, plutonium-239, strontium-90, and other alpha emitters by gamma energy analysis. The wells were temporarily screened and samples were collected with a disposable bailer and analyzed. These wells were not purged or developed, therefore, results only provide an indicator of contamination. Of the new wells installed, perched water was only encountered in perched water monitoring wells 299-W18-250 and 299-W18-251 adjacent to the ditch.

Four perched water monitoring wells (299-W19-91, 299-W19-92, 299-W19-93, and 299-W18-251) intersect the perched water zone and produce an adequate quantity of water to sample. These wells were sampled between June and July 1993. Sampling was conducted according to EII 5.8, Groundwater Sampling. Data from perched water monitoring wells sampled are provided in Appendix E.

**3.2.1.6 Groundwater Sampling.** Eight groundwater monitoring wells were sampled near the ditch during June and July 1993. The wells were sampled according to EII 5.8, Groundwater Sampling, and analyzed for Appendix IX

(40 CFR 264) constituents, uranium, cesium-137, gross alpha and beta, americium-241, plutonium-239, strontium-90, and other alpha emitters by gamma energy analysis. Groundwater data are summarized in Appendix F.

**3.2.1.7 Aquifer Testing.** After construction, each new groundwater monitoring well was tested to estimate aquifer properties. To prevent the generation of large quantities of wastewater, slug tests rather than pump tests were used. Slug tests were performed by injecting and withdrawing a cylindrical rod of known displacement and by measuring the associated water level response. Aquifer tests were conducted according to EII 10.1, Aquifer Testing. The results and test methods are described in Appendix G.

**3.2.1.8 Geophysical Logging.** Wells in the 216-U-14 Ditch monitoring network were logged with spectral gamma geophysical tools. The logs were used primarily to identify zones of contamination produced by gamma-ray emitting radionuclides. New wells were logged after each casing string was set, except the starter casing. Geophysical logging was conducted in accordance with EII 10.4, Geophysical Logging. Interpretations of the spectral gamma logs are provided in Appendix H.

**3.2.1.9 Well Remediation.** Existing groundwater monitoring wells in the network were evaluated to determine the condition of the well in preparation for sampling. Well remediation consisted of one or more of the remedial actions: site inspection, camera survey, scrubbing, bailing, and redevelopment. Well remediation activities were conducted according to EII 8.3, Remediation of Groundwater Wells.

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### 3.2.2 Well History and Construction Information

This section describes wells in the 216-U-14 Groundwater Monitoring Network.

**3.2.2.1 Groundwater Monitoring Well 299-W18-15.** Groundwater monitoring well 299-W18-15 monitors upgradient water quality on the western end of the 216-U-14 Ditch. The well was initially used as a downgradient well for the decommissioned 216-U-10 Pond; however, its current use supports 200 Areas semiannual water level measurements. The drilling of well 299-W18-15 began March 12, 1980 with a cable tool rig. The hole was advanced using the drive barrel and hard tool sample methods. Casing that produced a 28-cm (11-in.) nominal hole was driven behind the drill bit to 6 m (20 ft). A 20-cm (8-in.) inside diameter (I.D.) casing was driven to a depth of 76 m (248 ft). The well was completed April 25, 1980 within the Ringold Formation. A cement plug was placed in the well from 74 to 76 m (243 to 248 ft) and the 20-cm (8-in.) I.D. carbon steel casing was perforated from approximately 52 to 74 m (170 to 243 ft). The 20-cm (8-in.) casing was also perforated from 42 to 43 m (137 to 140 ft) and pressure grouted with a mud pump. A 6-m (20-ft) cement-grout surface seal was placed below the ground surface.

Well 299-W18-15 was remediated in June 1993 in preparation for sampling. Well maintenance activities included pump removal, camera survey, scrubbing, redevelopment, and reinstallation of the pump. Groundwater flow direction in well 299-W18-15 varies from northeast to southwest depending on the size and location of the groundwater mound in the 200 West Area.

**3.2.2.2 Groundwater Monitoring Well 299-W18-33.** The drilling of groundwater water monitoring well 299-W18-33 began May 11, 1993. The well was drilled with a cable tool drill rig to a depth of 70.56 m (231.5 ft). The hole was advanced using the drive barrel split spoon and hard tool sample methods. Samples collected for chemical and selected physical test were taken with the split spoon. The drive barrel was used in the vadose zone. The hard tool method was used primarily after penetrating the groundwater. A 41-cm (16-in.) carbon steel casing was driven to a depth of 5.2 m (17.1 ft). A 30-cm (12-in.) I.D. carbon steel casing was driven to a depth of 44.6 m (146.4 ft) and a 20-cm (8-in.) I.D. carbon steel casing was driven to a depth of 70.6 cm (231.5 ft). The well was completed and ready for sampling June 28, 1993. A 20-slot, 10-cm (4-in.) stainless steel screen is installed from 60.5 to 69.6 m (198.5 to 228.3 ft) with a 10-cm (4-in.) stainless steel pipe extending about 0.3 m (1 ft) above ground surface. Ten-twenty sand was placed over the screen interval. The annulus is filled with bentonite pellets, bentonite crumbles, and Portland cement. Well 299-W18-33 is an upgradient monitoring well.

**3.2.2.3 Groundwater Monitoring Well 299-W19-1.** Groundwater monitoring well 299-W19-1 monitors upgradient water quality on the eastern end of the 216-U-14 Ditch. The well also supports the 200 Areas semiannual water level measurements. The drilling of well 299-W19-1 began April 15, 1957 with a cable tool rig. The hole was advanced using the drive barrel and hard tool drilling sampling method. The available construction data indicate that the well was driven to a depth of 92 m (301 ft) with a 20-cm (8-in.) I.D., 23-cm (9-in.) outside diameter carbon steel casing. The well was completed May 2, 1957 within the Ringold Formation. The well (carbon steel casing) is perforated from 54 to 91 m (178 to 299 ft) at one cut per foot. No information is available that documents the plug in the bottom of the well or the annular seal. The bottom of the well is currently about 63 m (206 ft) below ground surface.

Well 299-W19-1 was remediated in June 1993 in preparation for sampling. This well was dry before remediation. Well maintenance activities included pump removal, camera survey, removal of sand from the well, scrubbing, redevelopment, and reinstallation of the pump. At the time of sampling, collection of groundwater was not possible because of heaving sands.

**3.2.2.4 Groundwater Water Monitoring Well 299-W19-21.** The drilling of well 299-W19-21 began May 9, 1986 with a cable tool rig. This well monitors water quality at the 216-U-14 Ditch. The hole was advanced using the drive barrel and hard tool sample methods. A 25-cm (10-in.) I.D. and a 20-cm (8-in.) I.D. carbon steel casing were driven to an undetermined depth, and 48 m (157 ft), respectively. A 15-cm (6-in.) casing was driven to a depth of 69 m (226 ft). The well was completed May 1, 1987 within the Ringold Formation. A 10-slot, 15-cm (6-in.) telescoping screen (type not documented) is installed from 61 to 69 m (201 to 226 ft) with a 15-cm (6-in.) riser pipe extending to 61 m (201 ft). A packer is installed at the top of the riser pipe. The annulus was filled with sand, bentonite slurry, and cement grout. The 20-cm (8-in.) I.D. casing remains in the well and is perforated from 6 to 24 m (20 to 80 ft) and cemented in place. The perforation was required to seal off a perched water zone that occurs about 21 to 23 m (70 to 75 ft) below ground surface.

Well 299-W19-21 was remediated in June 1993 in preparation for sampling. Well maintenance activities included pump removal, camera survey, removal of obstructions, scrubbing, redevelopment, and reinstallation of the pump.

**3.2.2.5 Groundwater Water Monitoring Well 299-W19-27.** The drilling of well 299-W19-27 began April 2, 1987 with a cable tool rig. This well monitors water quality at the 216-U-14 Ditch. The hole was advanced using the drive barrel and hard tool sample methods. A 25-cm (10-in.) I.D. and a 20-cm (8-in.) I.D. carbon steel casing were driven to depths of 31 to 70 m (101 and 230 ft) below ground surface, respectively. The well was completed May 1, 1987 within the Ringold Formation. A 20-slot, 13-cm (5-in.) stainless steel screen is installed from 69 to 63 m (228 to 208 ft) with riser pipe to a point above the surface. The annulus was filled with sand, bentonite, and cement grout. A 25-cm (10-in.) I.D. carbon steel casing remains in the well to a depth of 3 m (10 ft). The 25-cm (10-in.) casing is sealed between the annulus and the well.

Well 299-W19-27 was remediated in June 1993 in preparation for sampling. Well maintenance activities included pump removal, camera survey, removal of obstructions, scrubbing, redevelopment, and reinstallation of the pump.

**3.2.2.6 Groundwater Monitoring Well 299-W19-32.** Well 299-W19-32 monitors downgradient water quality at the 241-U Tank Farms and will be used as an upgradient well for the 216-U-14 Ditch. The drilling of well 299-W19-32 began November 8, 1989. Because of administrative delays, the well was not drilled to the depth of 68 m (223 ft) until November 12, 1990. The hole was advanced using the drive barrel and hard tool sample methods. A 25-cm (10-in.) I.D. carbon steel casing, and a 20-cm (8-in.) I.D. casing were driven to depths of 43 to 68 m (140 and 223 ft), respectively. The well was completed December 17, 1990 within the Ringold Formation. A 10-slot, 10-cm (4-in.) stainless steel screen is installed from 61 to 68 m (201 to 222 ft). Stainless steel riser pipe is installed from 61 m (201 ft) to a measuring point above the surface. The annulus was filled with sand, bentonite, and cement grout. This well was not remediated because it was recently constructed.

**3.2.2.7 Groundwater Monitoring Well 299-W23-16.** The drilling of well 299-W23-16 began April 19, 1993. The well was drilled with a cable tool drill rig to a depth of 72 m (237 ft). The hole was advanced using the drive barrel split spoon and hard tool sample methods. Samples collected for chemicals and selected physical tests were taken with the split spoon. The hard tool method was used primarily after penetrating the groundwater. A 41-, 30-, and 10-cm (16-, 12-, and 10-in.) I.D. carbon steel casing were driven to depths of 5.6, 45, and 47 m (18.3, 147.8, and 155 ft), respectively. A 20-cm (8-in.) casing was driven to a depth of 72 m (236 ft). The well was completed and ready for sampling June 16, 1993. A 20-slot, 10-cm (4-in.) stainless steel screen is installed from 61.6 to 71.2 m (202.1 to 233.5 ft) with a 10-cm (4-in.) stainless steel pipe extending 0.5 m (1.7 ft) above ground surface. Ten-twenty sand was placed over the screen interval. The annulus is filled with bentonite pellets, bentonite crumbles, and Portland cement.
Well 299-W23-16 is a downgradient monitoring well on the western end of the ditch.

**3.2.2.8 Groundwater Monitoring Well 299-W23-17.** The drilling of well 299-W23-17 began April 8, 1993. The well was drilled with a cable tool drill rig to a depth of 70.9 m (232.8 ft). The hole was advanced using the drive barrel and split spoon and hard tool sample methods. Samples were collected for chemicals and selected physical tests were taken with the split spoon. The hard tool method was used primarily after penetrating the groundwater. A 41-cm (16-in.) I.D., 25-cm (10-in.) I.D., and 20-cm (8-in.) carbon steel casing were driven to depths of 6.05, 45, and 71 m (19.85, 149, and 233 ft), respectively. The well was completed and ready for sampling June 11, 1993. A 20-slot, 10-cm (4-in.) stainless steel screen is installed from 59.2 to 68.4 m (194.3 to 224.4 ft) with a 10-cm (4-in.) stainless steel pipe extending about 0.3 m (1 ft) above ground surface. Ten-twenty sand was placed over the screen interval. The annulus is filled with bentonite pellets, bentonite crumbles, and Portland cement. Well 299-W23-17 is a downgradient monitoring well on the western end of the ditch.

**3.2.2.9 Perched Water Monitoring Well 299-W18-250.** The drilling of perched water monitoring well 299-W18-250 began March 29, 1993. The well was drilled with a cable tool drill rig to a depth of 20.6 m (67.6 ft). The hole was advanced using the drive barrel split spoon and hard tool sample methods. Samples collected for chemicals and selected physical tests were taken with the split spoon. A 25-cm (10-in.) I.D. and 20-cm (8-in.) I.D. carbon steel casing were driven to depths of 6 and 20 m (21 and 67 ft), respectively. A 10-slot, 10-cm (4-in.) stainless steel screen is installed from 16.8 to 20 m (55.3 to 66 ft) with a 10-cm (4-in.) stainless steel pipe extending about 0.3 m (1 ft) above the surface. Ten-twenty sand was placed over the screen interval. The annulus is filled with bentonite pellets, bentonite crumbles, and Portland cement. The well was completed and ready for sampling May 6, 1993. Well 299-W18-250 monitors the perched water zone on the western half of the ditch within the fine-grained facies of the Hanford formation. This well is currently dry.

**3.2.2.10 Perched Water Monitoring Well 299-W18-251.** The drilling of perched water monitoring well 299-W18-251 began March 31, 1993. The well was drilled with a cable tool drill rig to a depth of 48 m (157 ft). The hole was advanced using the drive barrel split spoon and hard tool sample methods. Samples collected for chemicals and selected physical tests were taken with the split spoon. A 25-cm (10-in.) I.D. and 20-cm (8-in.) I.D. carbon steel casing were driven to depths of 6 and 46 m (20 and 151 ft), respectively. The well was then backfilled to the bottom of the water-producing zone. A 10-slot, 10-cm (4-in.) stainless steel screen is installed from 26 to 32 m (85.5 to 106.1 ft) with a 10-cm (4-in.) stainless steel pipe extending about 0.3 m (1 ft) above the surface. Twenty-forty sand is placed within the screen interval. The annulus was filled with bentonite and cement grout. This well was developed to only 15 nephelometric turbidity units because of the possibility of purging the well dry. The well was completed and ready for sampling June 17, 1993. Well 299-W18-251 monitors the perched water zone on the downslope side of the ditch within the fine-grained facies of the Hanford formation.

**3.2.2.11 Perched Water Monitoring Well 299-W19-91.** Well 299-W19-91 was drilled March 11, 1987 with a cable tool rig to determine the extent of contamination in the subsurface from an unplanned release of the uranyl nitrate hexahydrate. The hole was advanced using the drive barrel and hard

tool sample methods. A 28-cm (11-in.) nominal carbon steel casing, and a 23-cm (9-in.) nominal casing were driven to depths of 32 and 46 m (105 and 150 ft), respectively. The well was completed April 1, 1987 within the fine-grained facies of the Hanford formation. A 10-slot, 20-cm (8-in.) telescoping stainless steel screen is installed from 33 to 36 m (109 to 119 ft) with a 20-cm (8-in.) stainless steel blank from 30 to 33 m (99 to 109 ft). A 15-cm (6-in.) packer was installed at the top of the blank at approximately 30 m (99 ft). The annulus was filled with sand, bentonite, and cement grout with the 20-cm (8-in.) I.D. carbon steel casing remaining in the well.

Well 299-W19-91 was remediated June 1993 in preparation for sampling and analysis. Well maintenance activities included camera survey, scrubbing, and redevelopment. This well does not contain a pump.

**3.2.2.12 Perched Water Monitoring Well 299-W19-92.** Well 299-W19-92 was drilled March 11, 1987 with a cable tool rig to determine the extent of contamination in the subsurface from an unplanned release of the uranyl nitrate hexahydrate. The hole was advanced using the drive barrel and hard tool sample methods. A 28-cm (11-in.) nominal carbon steel casing, and a 23-cm (9-in.) nominal casing were driven to depths of 34 and 46 m (111 and 150 ft), respectively. The well was completed April 1, 1987 within the finer-grained facies of the Hanford formation. A 10-slot, 20-cm (8-in.) telescoping stainless steel screen is installed from 34 to 37 m (113 to 123 ft) with a 20-cm (8-in.) stainless steel blank from 31 to 34 m (101 to 113 ft). A 15-cm (6-in.) packer was installed at the top of the blank at approximately 31 m (101 ft). The annulus was filled with sand, bentonite, and cement grout with the 20-cm (8-in.) I.D. carbon steel casing remaining in the well. The cement annular seal is not well documented.

Well 299-W19-92 was remediated June 1993 for sampling and analysis. Well maintenance activities included camera survey, scrubbing, and redevelopment. This well does not contain a pump.

**3.2.2.12.1 Perched Water Monitoring Well 299-W19-93.** Well 299-W19-93 was drilled April 2, 1987 with a cable tool drill rig to determine the extent of contamination in the subsurface from an unplanned release of the uranyl nitrate hexahydrate. The hole was advanced using the drive barrel and hard tool sample methods. A 28-cm (11-in.) nominal carbon steel casing, and a 23-cm (9-in.) nominal casing were driven to depths of 26 and 36 m (85 and 120 ft), respectively. The well was completed April 20, 1987 within the finer-grained facies of the Hanford formation. A 10-slot, 20-cm (8-in.) telescoping stainless steel screen is installed from 32 to 35 m (105 to 115 ft) with a 20-cm (8-in.) stainless steel blank from 29 to 32 m (95 to 105 ft). A 15-cm (6-in.) packer was installed at the top of the blank at approximately 29 m (95 ft). The annulus was filled with sand, bentonite, and cement grout with the 20-cm (8-in.) I.D. carbon steel casing remaining in the well.

Well 299-W19-93 was remediated June 1993 in preparation for sampling and analysis. Well maintenance activities included camera survey, scrubbing, and redevelopment. This well does not contain a pump.

**3.2.2.12.2 Perched Water Monitoring Well 299-W19-22.** Well 299-W19-22 was drilled May 21, 1986 with a cable tool drill rig to determine the extent of contamination in the subsurface from an unplanned release of the uranyl nitrate hexahydrate. The hole was advanced using the drive barrel and hard tool sample methods. A 25-cm (10-in.) I.D., carbon steel casing and 23-cm (9-in.) nominal casing were driven to depths of 26 and 43 m (85 and 142 ft), respectively. The well was completed April 20, 1987 within the Plio-Pleistocene unit/"early" Palouse soil. A 10-slot, 13-cm (5-in.) stainless steel screen is installed from 40 to 41 m (130 to 135 ft) with 13-cm (5-in.) carbon steel from 41 m (135 ft) to a measuring point above the surface. The annulus was filled with sand, bentonite, and cement grout with the 20-cm (8-in.) I.D. carbon steel casing remaining in the well at approximately 30 m (100 ft). Cement grout is between the 13- and 20-cm (5- and 8-in.) casing as well as on the outside of the 20-cm (8-in.) casing. This well is currently dry.

### 3.2.3 Test Pits

Three test pits (216-U-14-ETP-1, -ETP-2, -ETP-3) were excavated and sampled to determine the type and extent of radiological and chemical contamination beneath the eastern end of the 216-U-14 Ditch on June 26, 1993. Radiological data are also available from three test pits excavated during March 1992 (Singleton 1993) on the western end of the ditch. Test pits 216-U-14-ETP-1, -ETP-2, and -ETP-3 were excavated to an approximate depth of 2 to 3 m (8 to 10 ft) using a Caterpillar 245B™ backhoe with a 3.2-m (3.5-yd) bucket. Approximately 0.6 m (2 ft) of standing water was present in the 216-U-14 Ditch during excavation. During test pit activities, approximately 568 to 757 L/min (150 to 200 gal/min) of water was being discharged to the 216-U-14 Ditch. The source is cooling from the $UO_3$ condenser units. Because of the large amount of water in the ditch, sampling protocols previously established for the project were modified. Instead of obtaining samples from several thin units, samples were collected from three or four large units. Lithologic identification and descriptions were performed on all material removed from a test pit. Because of the potential for radiological contamination, only gross descriptions of sediment horizons were made. Sampling was conducted according to EII 5.2, Soil and Sediment Sampling. Decontamination of sampling equipment was conducted according to EII 5.4, Field Decontamination of Drilling, Well Development and Sampling Equipment, and EII 5.5, Decontamination of KE Laboratory Decontamination of RCRA/CERCLA Sampling and Equipment. The location of test pits are shown in Figure 8.

The first test pit excavated was 216-U-14-ETP-3. This pit is located at the southern end of the ditch and was excavated to a depth of 3 m (10 ft). Seven samples were collected for radiological analysis. Three samples were collected for chemical analysis.

The second test pit excavated was 216-U-14-ETP-2. This pit is located near the northern end of the ditch and was excavated to a depth of 2.4 m (8 ft). Five samples were collected for radiological analysis. Two samples were collected for chemical analysis.

The third test pit excavated was 216-U-14-ETP-1. This pit is located at the northern most end of the ditch, near the $UO_3$ Plant discharge pipe and was excavated to a depth of 2.1 m (7 ft). Five samples were collected for radiological analysis. Two samples were collected for chemical analysis. Radiological and chemical data from all 216-U-14 test pits are presented in Appendix I.

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# 4.0 CONCEPTUAL MODEL OF HYDROLOGIC RESPONSE AND CONTAMINANT MIGRATION

## 4.1 HYDROGEOLOGIC FRAMEWORK

### 4.1.1 Regional and Hanford Site Geology

The Pasco Basin and Hanford Site are underlain by pre-Miocene sedimentary and crystalline rocks (Campbell 1989), Miocene-aged (17.5 to 6 Ma) basalts of the Columbia River Basalt Group (Myers et al. 1979; Reidel and Fecht 1981; DOE 1988; Tolan et al. 1989; Reidel et al. 1989, 1992), interbedded sediments of the Ellensburg Formation (Reidel and Fecht 1981; DOE 1988; Smith 1988), and a Late Miocene to Holocene-aged (less than 8.5 Ma to present) suprabasalt sediment sequence (Myers et al. 1979; Tallman et al. 1981; DOE 1988; Smith et al. 1989; Lindsey 1991; Reidel et al. 1992).

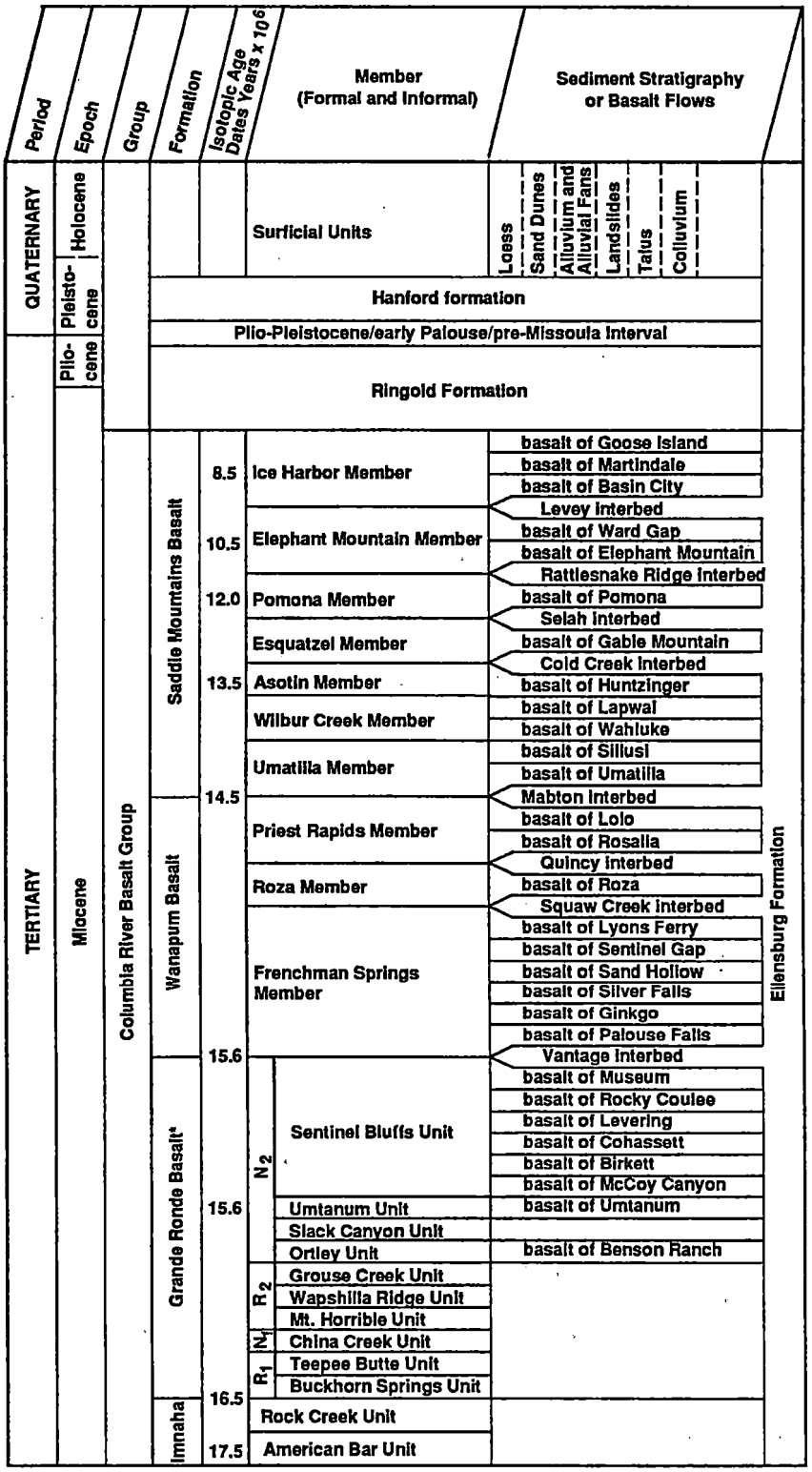
**4.1.1.2 Columbia River Basalt Group.** The Columbia River Basalt Group (CRBG) is an assemblage of tholeiitic, continental flood basalts that cover more than 63,000 $mi^2$ (163,157 $km^2$) in Washington, Oregon, and Idaho and have an estimated volume of about 40,800 $mi^3$ (174,356 $km^3$) (DOE 1988; Reidel and Hooper 1989; Tolan et al. 1989). The CRBG is divided into five formations from oldest to youngest: Imnaha Basalt, Picture Gorge Basalt, Grande Ronde Basalt, Wanapum Basalt, and Saddle Mountains Basalt (DOE 1988; Tolan et al. 1989) (Figure 9). The Saddle Mountains Basalt (the uppermost basalt at the Hanford Site) is divided into (from oldest to youngest) the Umatilla, Wilbur Creek, Asotin, Esquatzel, Pomona, Elephant Mountain, and Ice Harbor Members (Reidel and Fecht 1981).

**4.1.1.3 Ellensburg Formation.** The Ellensburg Formation consists of volcaniclastic and silisiclastic deposits that occur between CRBG basalt flows (DOE 1988; Smith 1988). At the Hanford Site, the three uppermost units of the Ellensburg Formation are, from oldest to youngest, the Selah interbed, the Rattlesnake Ridge interbed, and the Levy interbed. The Ellensburg Formation at the Hanford Site is discussed in Reidel and Fecht (1981). Smith (1988) and Smith et al. (1989) discuss the Ellensburg Formation and correlative units throughout the region.

**4.1.1.4 Suprabasalt Sediments.** Various aspects of suprabasalt sediment geology are found in Myers et al. (1979), Tallman et al. (1979, 1981), PSPL (1982), Bjornstad (1984), Fecht et al. (1987), DOE (1988), Baker et al. (1991), Smith et al. (1989), Delaney et al. (1991), Lindsey (1991, 1992), Lindsey et al. (1991, 1992) and Reidel et al. (1992). Delaney et al. (1991), Lindsey (1991), and Reidel et al. (1992) provide the most recent synopsis of suprabasalt sediment geology for the Hanford Site. The following discussion summarizes these reports.

The suprabasalt sedimentary sequence (Figure 10) is up to 229 m (750 ft) thick at the Hanford Site and dominated by the laterally extensive late Miocene to Pliocene Ringold Formation and the Pleistocene Hanford formation. Laterally discontinuous units, referred to as the Plio-Pleistocene unit, early

Figure 9. Generalized Stratigraphy of the Pasco Basin and Surrounding Area.




*The Grande Ronde Basalt consists of at least 120 major basalt flows. Only a few flows have been named. $N_2$, $R_2$, $N_1$ and $R_1$ are magnetostratigraphic units.

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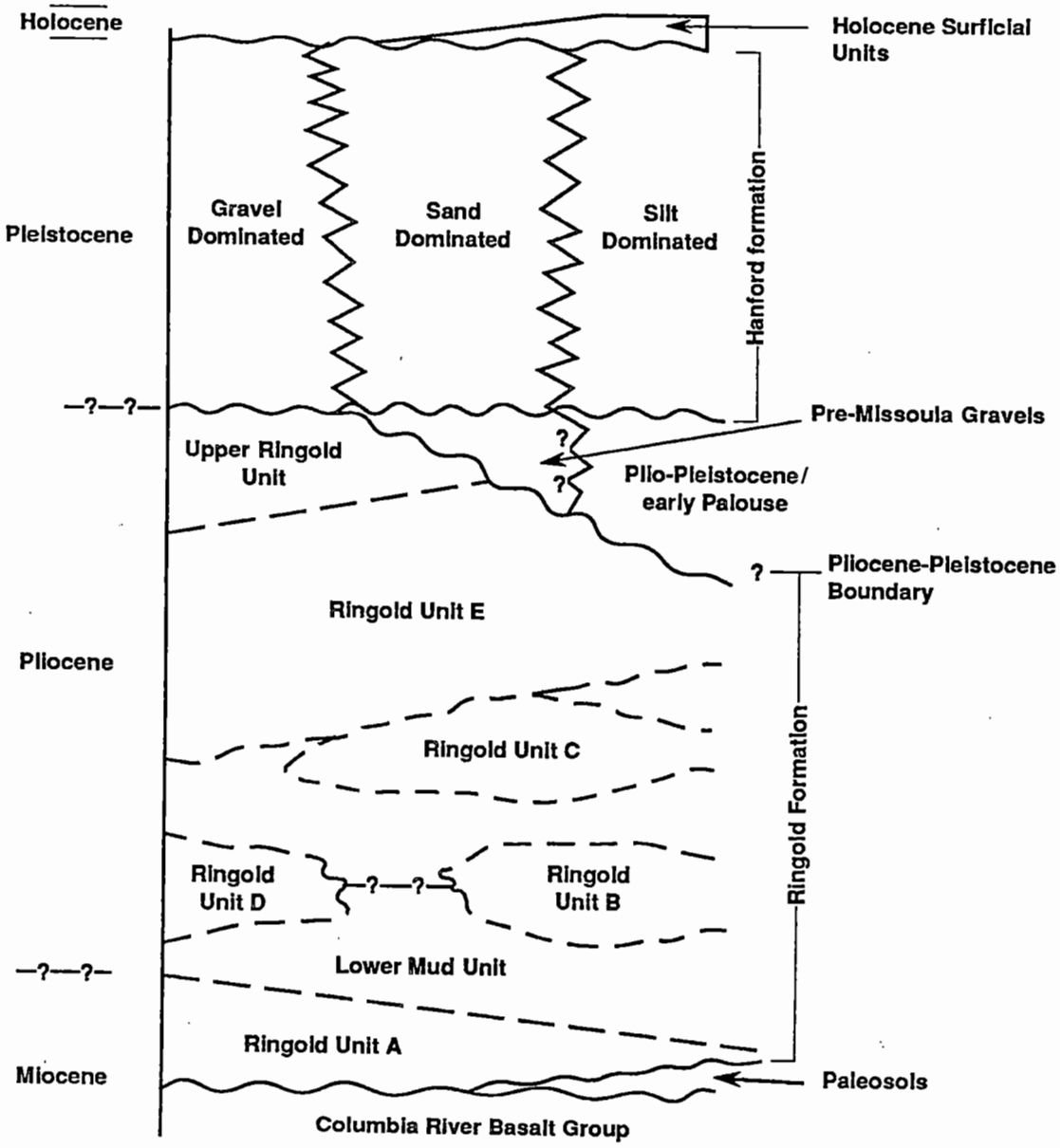
Figure 10. Generalized Stratigraphy of the Suprabasalt Sediments in the Pasco Basin.



"Palouse" soil, and pre-Missoula gravels separate the Hanford formation and Ringold Formation locally. Holocene-aged alluvial and eolian deposits cap the suprabasalt sequence.

**4.1.1.5 Ringold Formation.** The Ringold Formation is up to 183 m (600 ft) thick beneath the Hanford Site. It consists of semi-indurated clay, silt, fine- to coarse-grained sand, and pebble to cobble gravel. Ringold deposits are grouped into five facies (fluvial gravel, fluvial sand, overbank-paleosol, lacustrine, basaltic alluvium) that are defined based on lithology, petrology, stratification, and pedogenic alteration. The facies are summarized as follows:

1. Fluvial gravel--Consists of clast and lesser matrix-supported pebble to cobble gravel with a fine- to medium-grained sand matrix. Grain size distributions tend to be bimodal with granules and coarse-grained sand being rare. Crude to well-defined stratification and low-angle, lenticular bedding geometries generally dominate.

2. Fluvial sand--Fine- to coarse-grained quartzo-feldspathic sands displaying well-defined stratification dominate. Fining upwards packages less than one to several meters thick are common.

3. Overbank-Paleosol--Laminated to massive silty sand, silt, and clay displaying evidence of pedogenic alteration dominates.

4. Lacustrine--Characterized by well stratified clay with interbedded silt and silty sand.

5. Basaltic alluvium--Massive to crudely stratified, weathered to unweathered, basaltic, pebble to cobble gravel, commonly with a mud-rich matrix dominates.

The distribution of facies within the Ringold Formation forms the basis for stratigraphic subdivision (Lindsey 1991). The lower half of the Ringold Formation is characterized by fluvial gravel and sand dominated intervals, designated units A, B, C, D, and E (see Figure 10) that interfinger with fine-grained deposits typical of the overbank-paleosol and lacustrine facies. The lowest of these fine-grained intervals is designated the lower mud unit (see Figure 10). Interstratified deposits of the fluvial sand, overbank-paleosol facies, and strata dominated by the lacustrine facies form the upper half of the Ringold Formation (commonly referred to as the upper unit). The 200 Areas are underlain by units A and E, the lower mud unit, and remnants of the upper unit.

**4.1.1.6 Plio-Pleistocene, Early Palouse, Pre-Missoula Intervals.** Several localized, informal units separate the Ringold Formation from the overlying Hanford formation. They are the Plio-Pleistocene and early Palouse interval and the pre-Missoula gravels (see Figure 10) (Myers et al. 1979; Tallman et al. 1979, 1981; DOE 1988; Reidel et al. 1992). The Plio-Pleistocene and early Palouse interval only underlie the 200 West Area and consists of loess, well-bedded, silty lake deposits, pedogenic calcium carbonate, and basaltic

sands and gravels. Uncemented, mixed lithology gravels with a quartzo-feldspathic matrix dominate the pre-Missoula gravels, which does not occur beneath the 200 Areas.

**4.1.1.7 Hanford Formation.** The Hanford formation (see Figure 10) consists of uncemented gravel, sand, and silt deposited by Pleistocene cataclysmic flood waters (Fecht et al. 1987; DOE 1988; Baker et al. 1991). The Hanford formation is thickest near the 200 West and 200 East Areas where it can be up to 107 m (350 ft) thick. The Hanford formation is divided into three facies (gravel-, sand-, and silt-dominated), all of which occur beneath the 200 Areas. These facies are gradational with each other and summarized as follows:

1. Gravel-dominated facies--Generally consists of cross-stratified, coarse-grained sands and granule to boulder gravels that contain minor intercalated silt-rich horizons. The gravels generally are uncemented and matrix-poor, displaying an open-framework texture.

2. Sand-dominated facies--Well stratified, fine- to coarse-grained sand and granule gravel dominate. Silt content is variable, but where it is low an open-framework texture is common. Small pebbles and rip-up clasts in addition to lenticular, pebble-gravel interbeds and silty interbeds may be present.

3. Silt-dominated facies--Interbedded silt and fine- to coarse-grained sand forming well stratified normally graded rhythmites are characteristic. This facies may also be referred to as slackwater deposits, Touchet Beds, and graded rhythmites.

In addition to the three facies, clastic dikes are commonly found in the Hanford formation as well as locally in other sedimentary units in the Pasco Basin (Black 1979). These clastic dikes are structures that generally cross-cut bedding, although they do locally parallel bedding. The dikes consist of thin, alternating, vertical to subvertical layers of silt, sand, and granules. A feature known as patterned ground can be observed where the dikes intersect the ground surface.

**4.1.1.8 Holocene Deposits.** Holocene surficial deposits consist of silt, sand, and gravel that form a thin (4.9 m [less than 16 ft]) veneer across the Hanford Site. These sediments were deposited by eolian and alluvial processes.

**4.1.1.9 Structural Geology.** The Hanford Site is located in the eastern Yakima Fold Belt near its junction with the Palouse subprovince (DOE 1988). The Yakima Fold Belt consists of a series of segmented, narrow, asymmetric, and generally east-west trending anticlines that separate broad, low-amplitude structural basins (Reidel 1984; Reidel et al. 1989). The Pasco Basin (where the Hanford Site is situated) is one of the largest structural basins within the Yakima Fold Belt. The Pasco Basin is bounded on the north by the Saddle Mountains anticline, on the west by the Hog Ranch-Naneum Ridge anticline, and on the south by the Rattlesnake Mountain anticline. The Palouse slope, a west-dipping monocline, bounds the Pasco Basin on the east. The Pasco Basin is divided into the Wahluke and Cold Creek synclines by the Gable Mountain anticline, the easternmost extension of the Umtanum Ridge anticline.



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### 4.1.2 216-U-14 Ditch Geology

Suprabasalt sediments underlying the 216-U-14 Ditch area (Figure 11) include, from the surface downwards, Holocene eolian sands, the Hanford formation, the early Palouse/Plio-Pleistocene interval, and the Ringold Formation. These strata overlie basalts of the CRBG. The geology of this area is outlined in the following text. A cross section location map is shown in Figure 12.

**4.1.2.1 Holocene Deposits.** Holocene-aged deposits form the uppermost unit in the area. These deposits consist of eolian silt and sand that forms a thin (less than 3 m [less than 10 ft]), discontinuous sheet across the site. Throughout much of the area around the ditch, these deposits have been removed by human activities associated with Hanford Site operations. Where found, these deposits are characterized by a mix of silt and fine- to medium-grained sand that generally lacks evidence of significant stratification, such as displayed by sandy deposits that form much of the Hanford formation.

A second Holocene-age deposit consisting of two distinct horizons has also developed along the bottom of the ditch. The first horizon consists of brown silt. This consists of wind-blown silt and clay that settled out through standing water in the ditch. The second layer is black, fine grained, organic rich (e.g., decaying vegetation), and contains coal ash. These two horizons are generally less than 1.2 m (less than 4 ft) thick and do not extend beyond the ditch boundary.

**4.1.2.2 Hanford Formation.** The uppermost, laterally, continuous unit in the area is the Hanford formation. The Hanford formation consists of an upper, gravelly interval 5 to 28 m (18 to 91 ft) thick and a lower, finer interval 15 to 45 m (50 to 148 ft) thick. The contact between these two intervals is not a flat surface and in the area south of the ditch these intervals may interfinger.

**4.1.2.2.1 Upper Coarse Unit.** Stratified, open-framework, and largely uncemented granule to cobble gravel deposits typical of the gravel-dominated facies are interpreted to dominate the upper interval. This is based on regional facies trends within the Hanford formation and on the interpretation of borehole sample from this interval in the area of the 216-U-14 Ditch. Intercalated deposits typical of the sand-dominated facies are also present in the upper interval throughout the area (Figures 13, 14, and 15) with the greatest amount of interbedding occurring east of the ditch. These sands form sequences up to 9 m (30 ft) thick and also occur as thin interbeds within the gravels a few inches to feet thick. Intervals recorded as gravelly sand in borehole logs from the area probably consist of the later type of strata.

**4.1.2.2.2 Lower Fine Unit.** Borehole samples in the 216-U-14 Ditch area indicate the lower fine unit consists of well-bedded, interstratified strata typical of both the sand-dominated and silt-dominated facies (Figures 13, 14, and 15). In addition, localized gravelly horizons are found in this interval at boreholes 299-W23-16, 299-W23-17, 299-W18-15, 299-W18-33, and 299-W23-4. Sand-dominated facies typically are well stratified, contain scour features, and are uncemented. Silt-rich horizons within the lower interval may be well compacted and partially cemented by calcium carbonate.

Figure 11. Generalized Stratigraphic Column for the 216-U-14 Ditch.

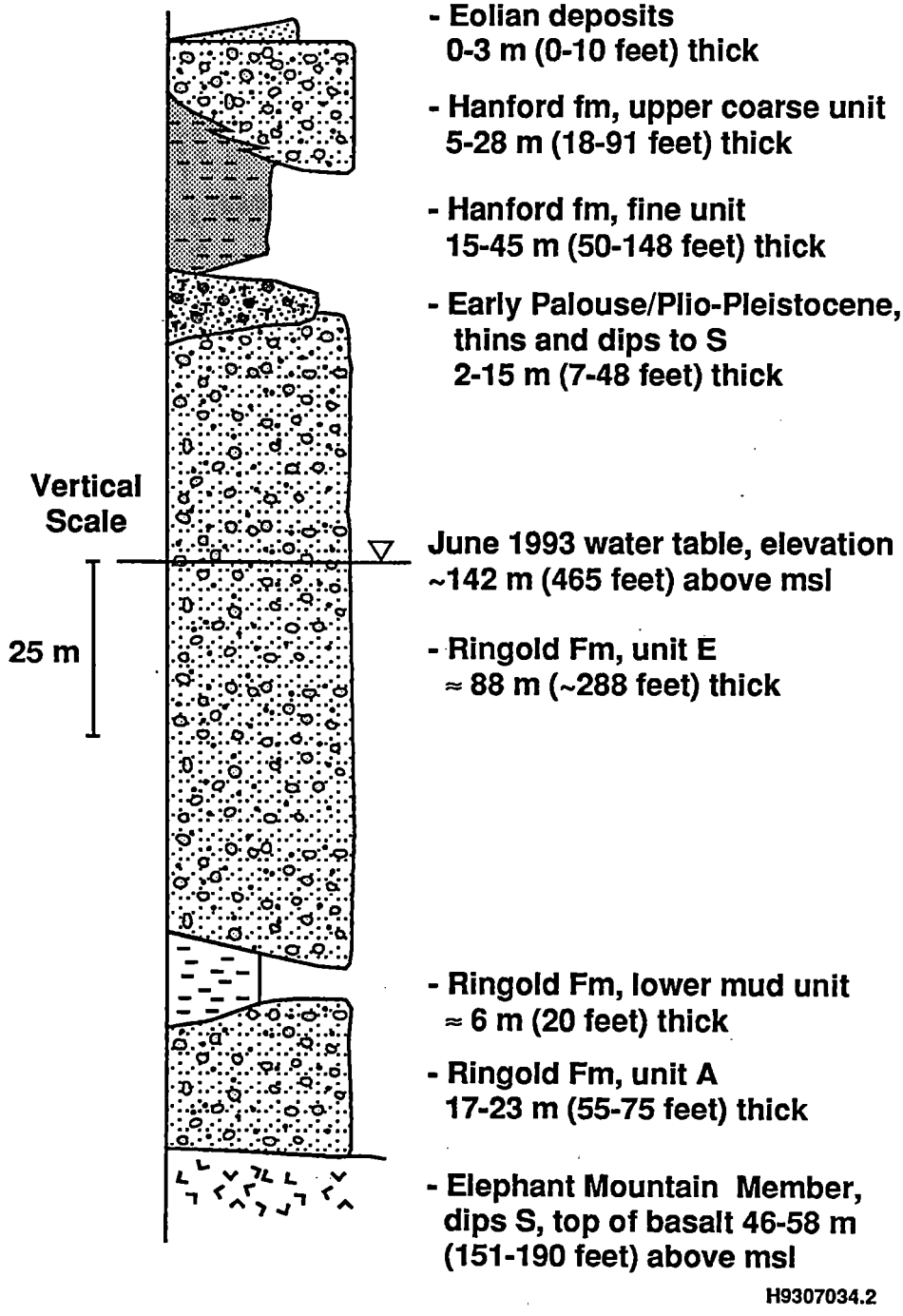

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Figure 12. Cross Section Location Map.

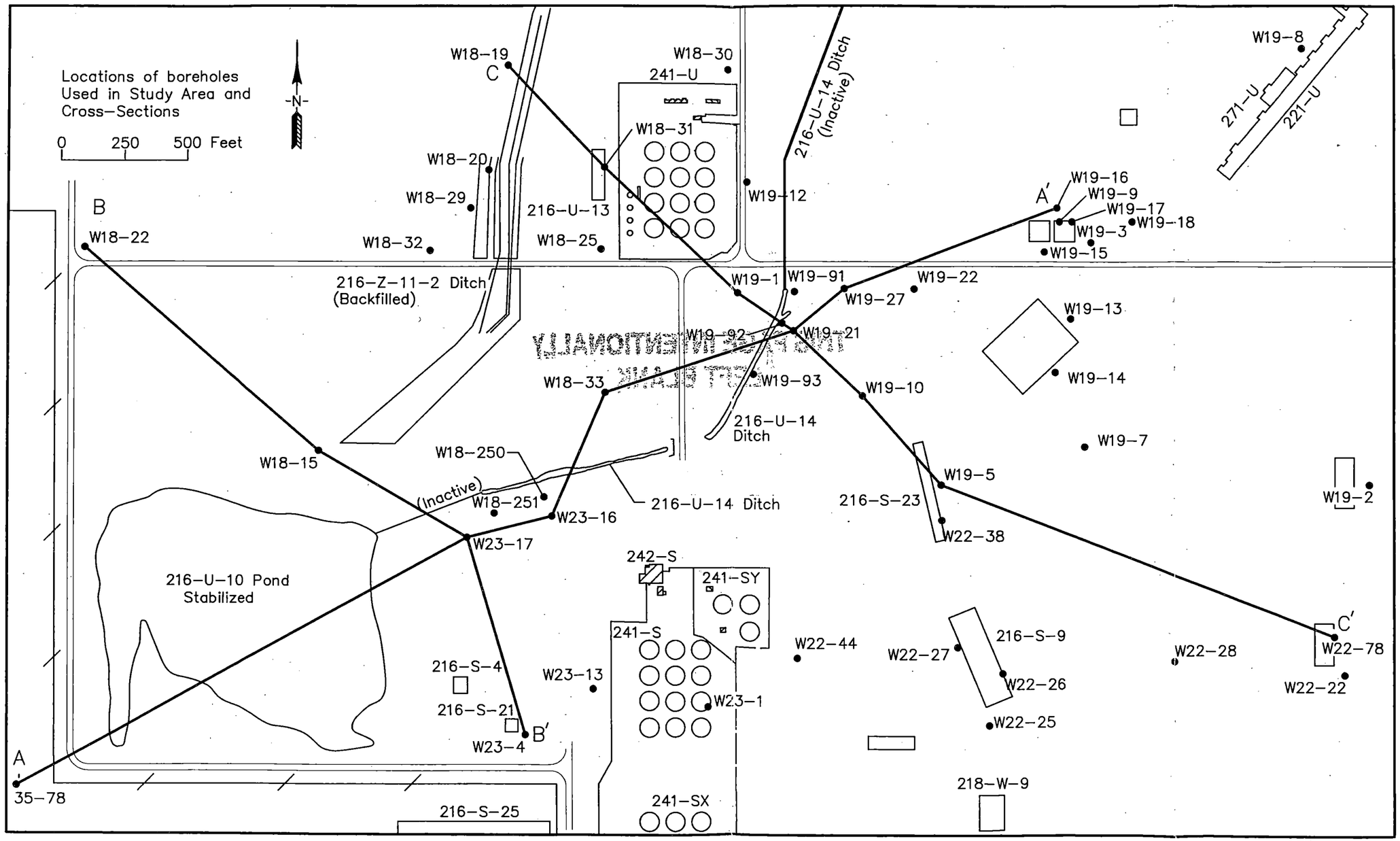

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Figure 13. Northeast to Southwest Geologic Cross Section A-A'.

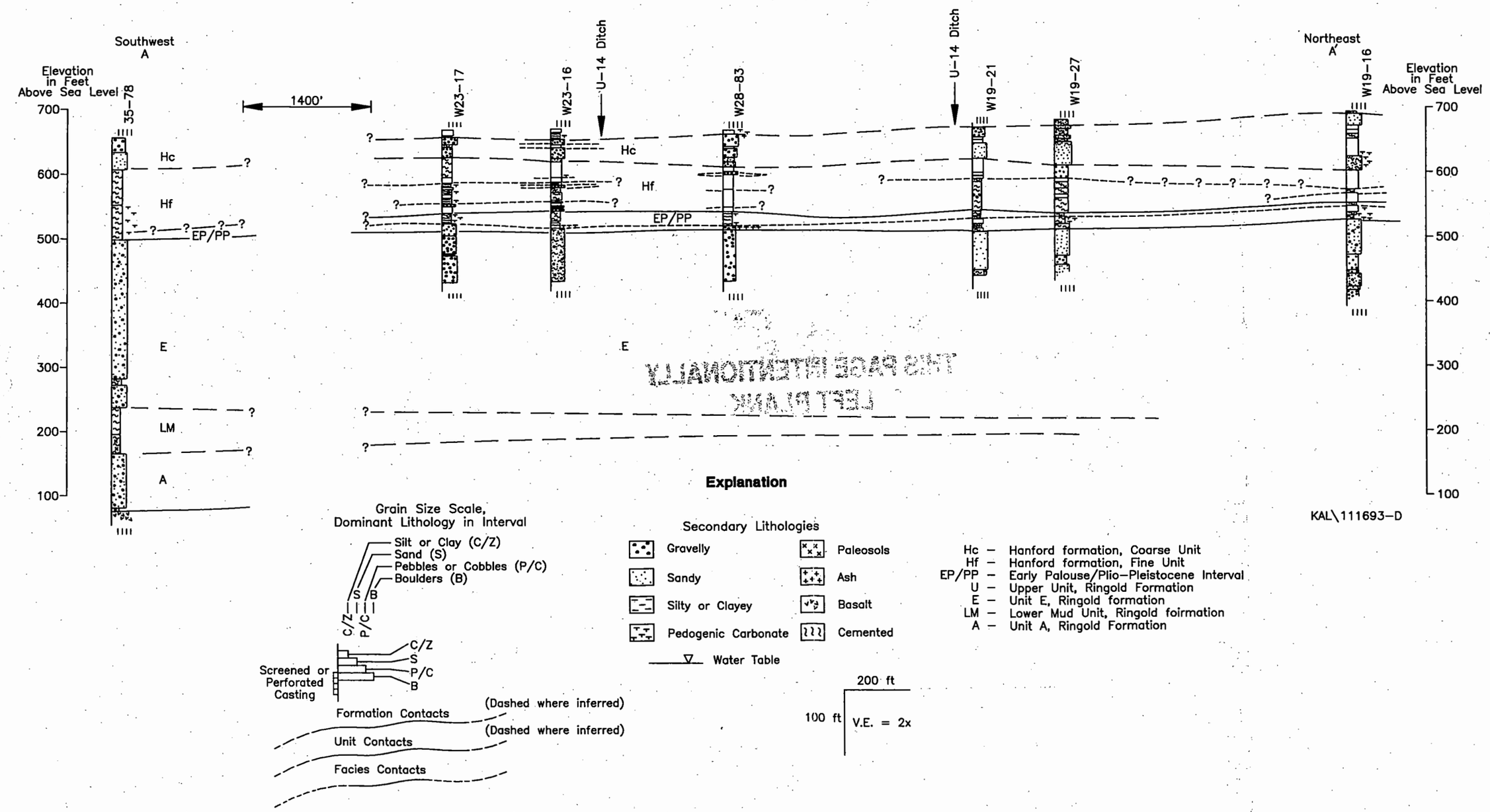


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Figure 14. Northwest to Southeast Geologic Cross Section B-B' (see Figure 13 for explanation).

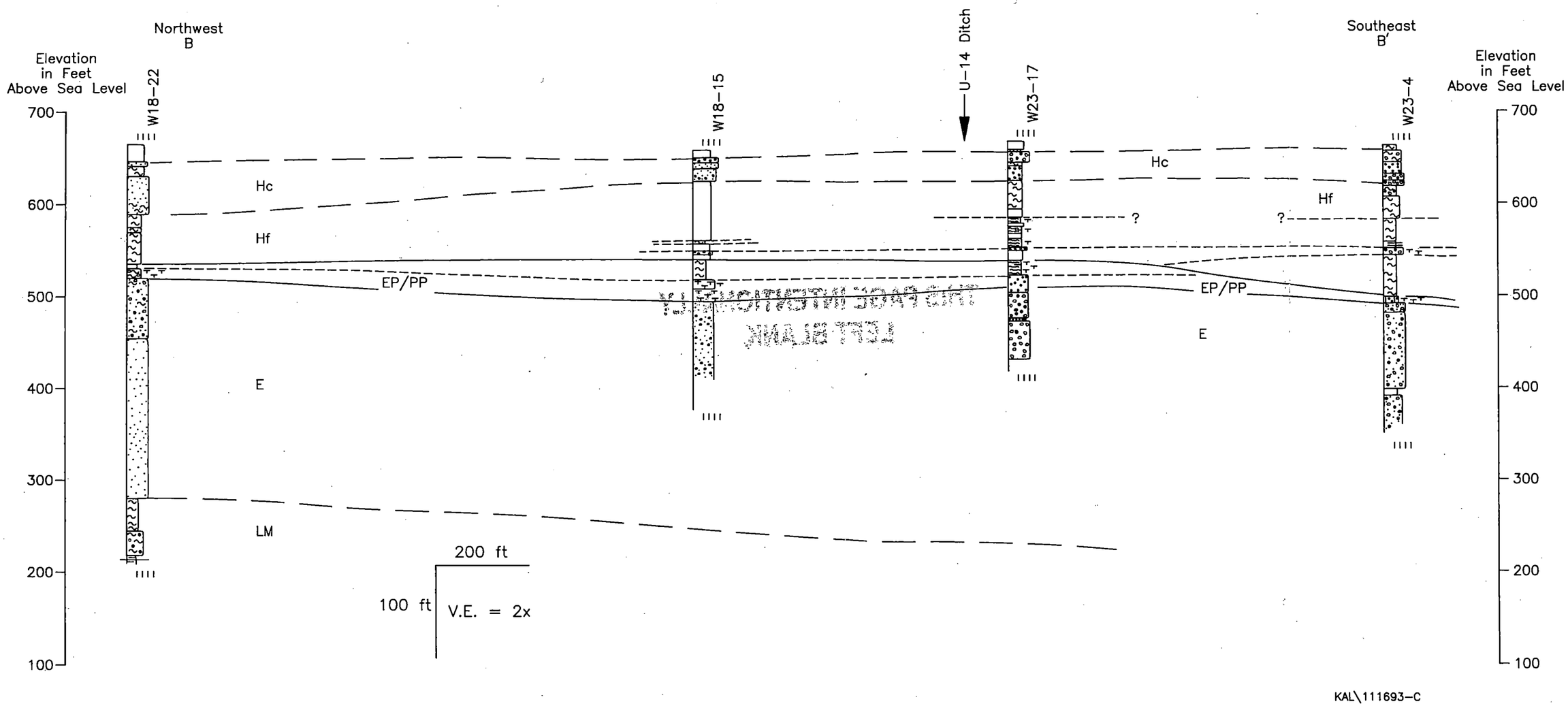

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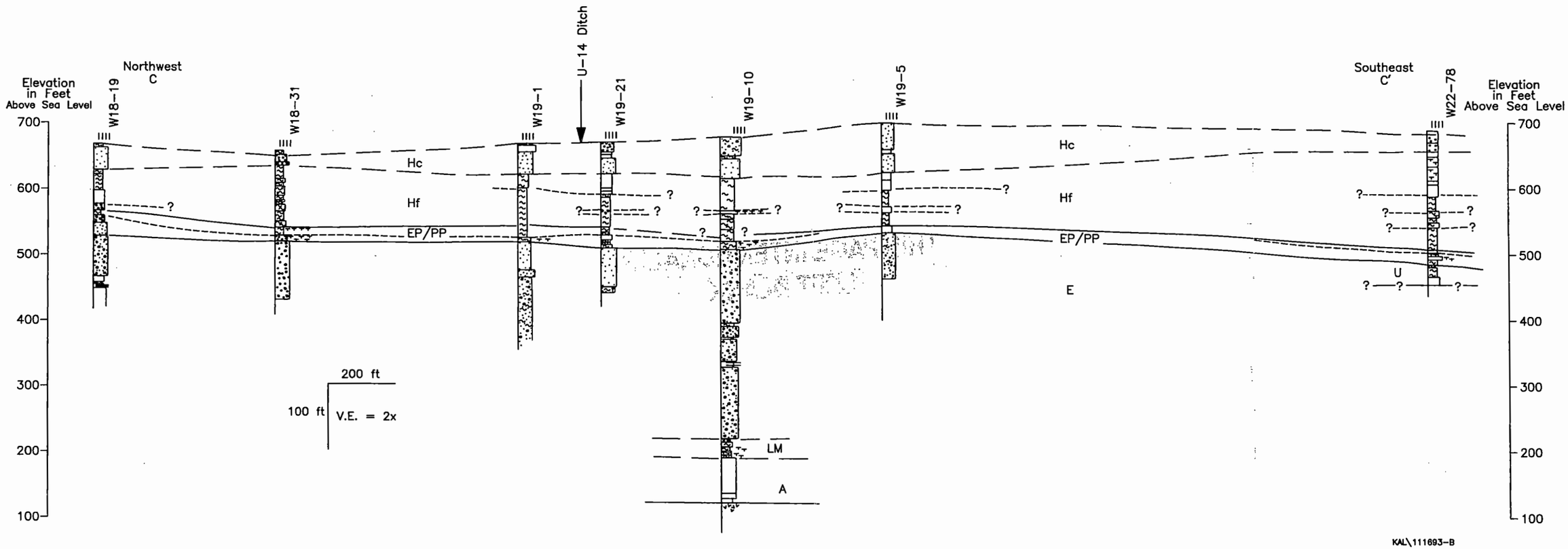
Figure 15. Northwest to Southeast Geologic Cross Section C-C' (see Figure 13 for explanation).



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The elevation of contact between the upper interval and lower interval varies across the area (Figure 16). Highs on the surface are found to the north, northeast, south, and southeast. The surface is low immediately beneath the central part of the Ditch, between boreholes 299-W19-93 and 299-W18-250, as well as to the east and west. The shape of this surface--east, north, and west of the Ditch--resulted in large part from erosion that occurred when the initial deposits of the overlying gravel-rich upper interval were formed. The high south and southeast of the ditch is the result of thinning of the overlying coarse deposits as they pinchout to the south.

Beneath much of the area the lower interval can be subdivided into two sequences: an upper sandy sequence and a lower silty sequence. These two sequences are easily distinguished on many of the boreholes used in the construction of the cross-sections. However, this trend is not shown in all the boreholes and in the case of two holes (299-W18-19 and 299-W18-31) appears to be reversed. The apparent lack of lateral continuity within the interbedded deposits of the lower interval is consistent with outcrop observations of analogous strata where lateral pinchouts and erosional truncations are common. Therefore, further subdivisions of the lower interval are not made.

**4.1.2.2 Early Palouse/Plio-Pleistocene Interval.** Beneath the 216-U-14 Ditch area, the early Palouse/Plio-Pleistocene interval consists of two sequences. The first interval consists of thinly laminated, silt-rich deposits interpreted to be lacustrine in origin. The second interval consists of locally derived basaltic detritus, silt-rich eolian deposits, deposits reworked from the Ringold Formation, and calcium carbonate-rich paleosols. The interval ranges from 2 to 15 m (7 to 48 ft) thick beneath the area.

The laminated, silt-rich sequence generally corresponds to the interval typically referred to as the early Palouse soil (DOE 1988; Last et al. 1989; Lindsey et al. 1991; Connelly et al. 1992a and 1992b). The early Palouse soil has been described as a massive silt displaying loess-like features. However, close examination of samples from recently drilled wells at the 216-U-14 Ditch, Basalt Waste Isolation Project (BWIP) cores, and from other drilling projects in the Z Plant area and S-10 Ditch indicate that strata typically thought to be early Palouse loess are not loess. These samples show well-developed stratification typical of either Hanford formation interbedded silts and sands or of post-Ringold pre-Hanford lacustrine deposits.

Calcium carbonate-rich strata is the defining characteristic of the second sequence. In the study area calcium carbonate consists of thin (less than 1-in thick) horizons, (caliche) coated clasts, and nodules. Examination of borehole geologic logs, split-tube samples, and BWIP cores suggest that the well-cemented carbonate horizons may be discontinuous and highly fractured.

The top of the early Palouse/Plio-Pleistocene interval is irregular, although it generally slopes to the south and east beneath the area (Figure 17). The west end of the 216-U-14 Ditch overlies a flat to gently south-dipping part of the surface. Near the bend in the ditch a southwards trending low is found on the top of the interval. A prominent high is developed east of this low. The shape of this surface is interpreted to

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Figure 16. Structure Contour Map of the Top of the Lower Fine Interval of the Hanford Formation.

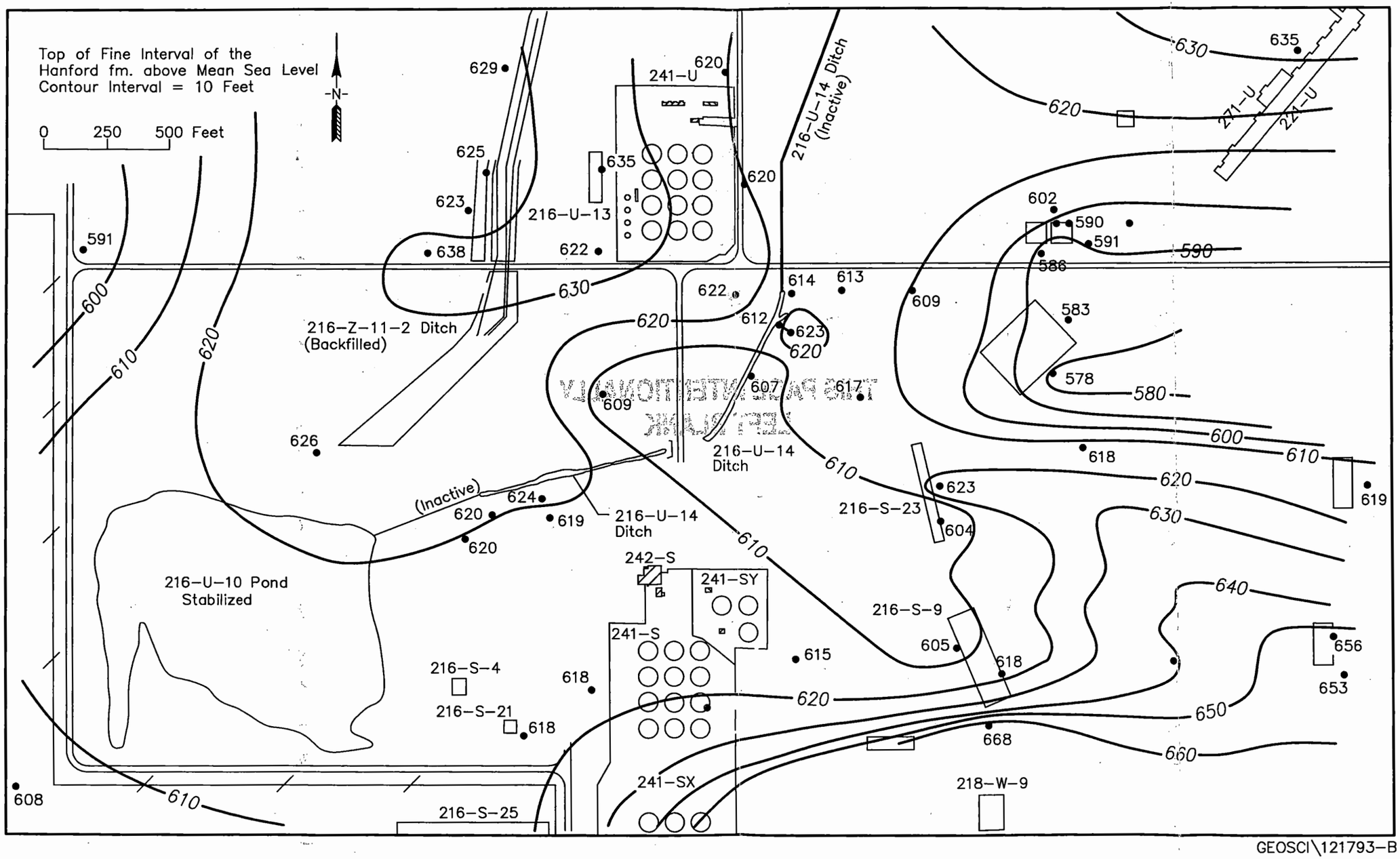

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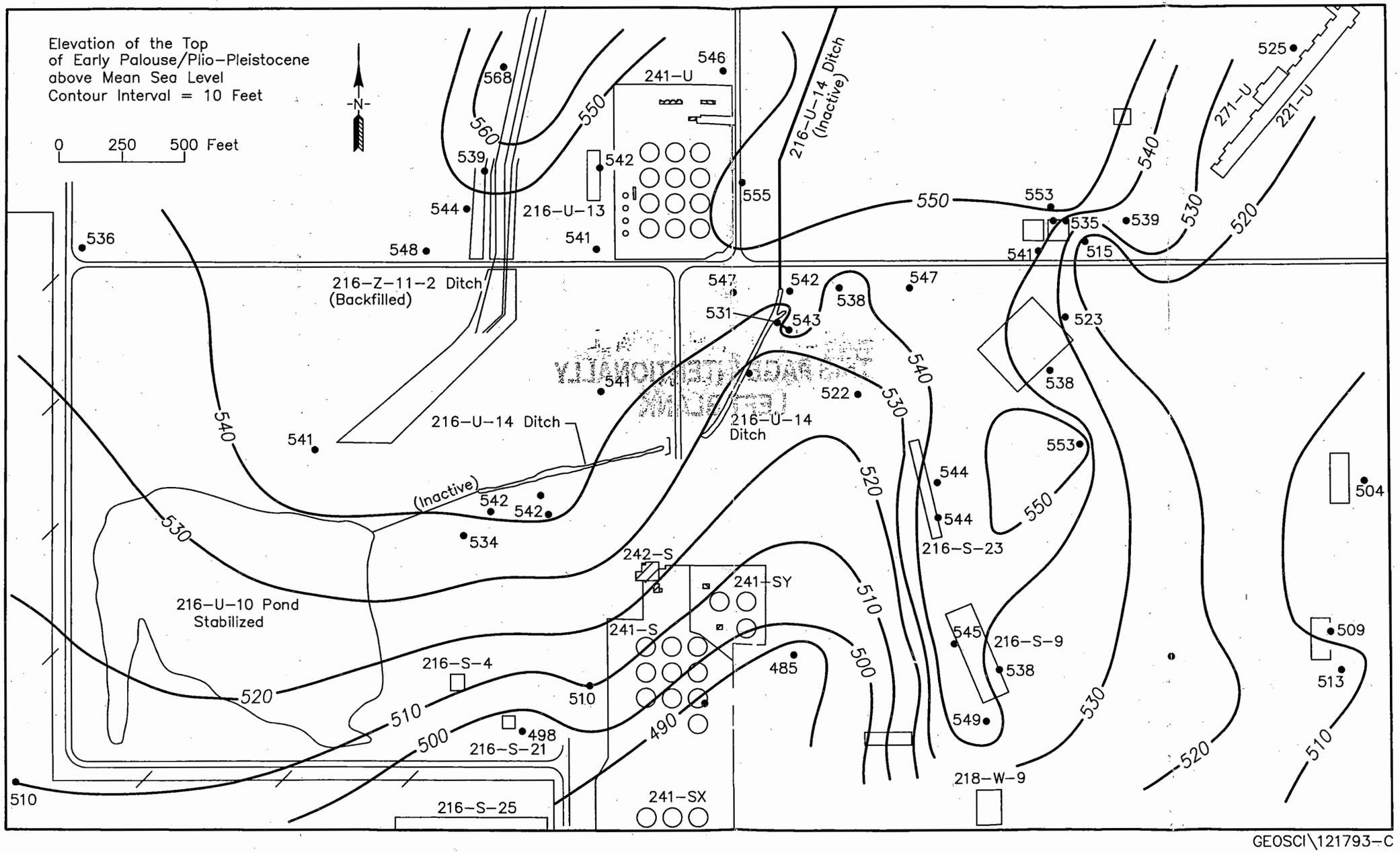
Figure 17. Structure Contour Map of the Top of the Early Palouse/ Plio-Pleistocene Interval.



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reflect both the precataclysmic flood topography upon which the subaerial deposits of the early Palouse/Plio-Pleistocene interval formed as well as incision during the early stages of cataclysmic flooding in the area.

**4.1.2.3 Clastic Dikes.** Recent drilling at the 216-U-14 Ditch revealed that the lower interval of the Hanford formation and the early Palouse/Plio-Pleistocene are commonly cross-cut by clastic dikes. Clastic dikes, described in detail by Black (1979), primarily consist of vertical to subvertical layers of silt and sand that cut across bedding planes.

**4.1.2.4 Ringold Formation.** Ringold Formation strata in the study area consist largely of partially cemented fluvial gravels and minor sands and silts of unit E. Localized interbedded fluvial sands and paleosols of the Ringold Formation upper unit are found in the eastern part of the area (see Figures 13, 14, 15, and 18). Unit E is 155 m (510 ft) above sea level and about 88 m (288 ft) thick.

Silt-rich paleosols and lacustrine deposits of the lower mud unit underlie Ringold unit E throughout the southern 200 West Area. The top of the lower mud unit ranges from approximately 91.5 m (300 ft) above sea level in the eastern part of the area to 76 m (250 ft) in the west. Localized highs (near W18-22) and lows (near W19-10) are present on this surface.

Fluvial gravels similar to those that form unit E comprise the lowest Ringold Formation unit, unit A. Intercalated fluvial sand and mud-rich zones can be found in unit A. Unit A is present beneath the entire site and directly overlies basalt of the Elephant Mountain Member.

### 4.1.3 Regional and Hanford Site Hydrology

**4.1.3.1 Surface Hydrology.** Primary surface-water features near the Hanford Site are the Columbia and Yakima Rivers. The free-flowing stretch of the Columbia River adjacent to the Hanford Site is known as the Hanford Reach. It extends from Priest Rapids Dam to the headwaters of Lake Wallula (the reservoir behind McNary Dam). Flow along the Hanford Reach is controlled by Priest Rapids Dam. Approximately one-third of the Hanford Site is drained by the Yakima River system. Cold Creek and its tributary, Dry Creek, are ephemeral streams within the Yakima River drainage system. Both streams drain areas along the western part of the Hanford Site and cross the southwestern part of the Hanford Site toward the Yakima River. West Lake, about 10 acres in size and less than 1 m (3 ft) deep, is the only natural lake within the Hanford Site (DOE 1988). Wastewater ponds, cribs, and ditches associated with nuclear fuel reprocessing and waste disposal activities are also present on the Hanford Site.

**4.1.3.2 Saturated Zone.** The Pasco Basin and Hanford Site are underlain by a multiaquifer system that consists of four hydrogeologic units that correspond with the upper three formations of the CRBG and the suprabasalt sediments (DOE 1988; Delaney et al. 1991). The basalt aquifers are generally confined and found within sedimentary interbeds of the Ellensburg Formation and interflow zones that occur between basalt flows. Recharge to the shallow basalt aquifers results from infiltration of precipitation and runoff along

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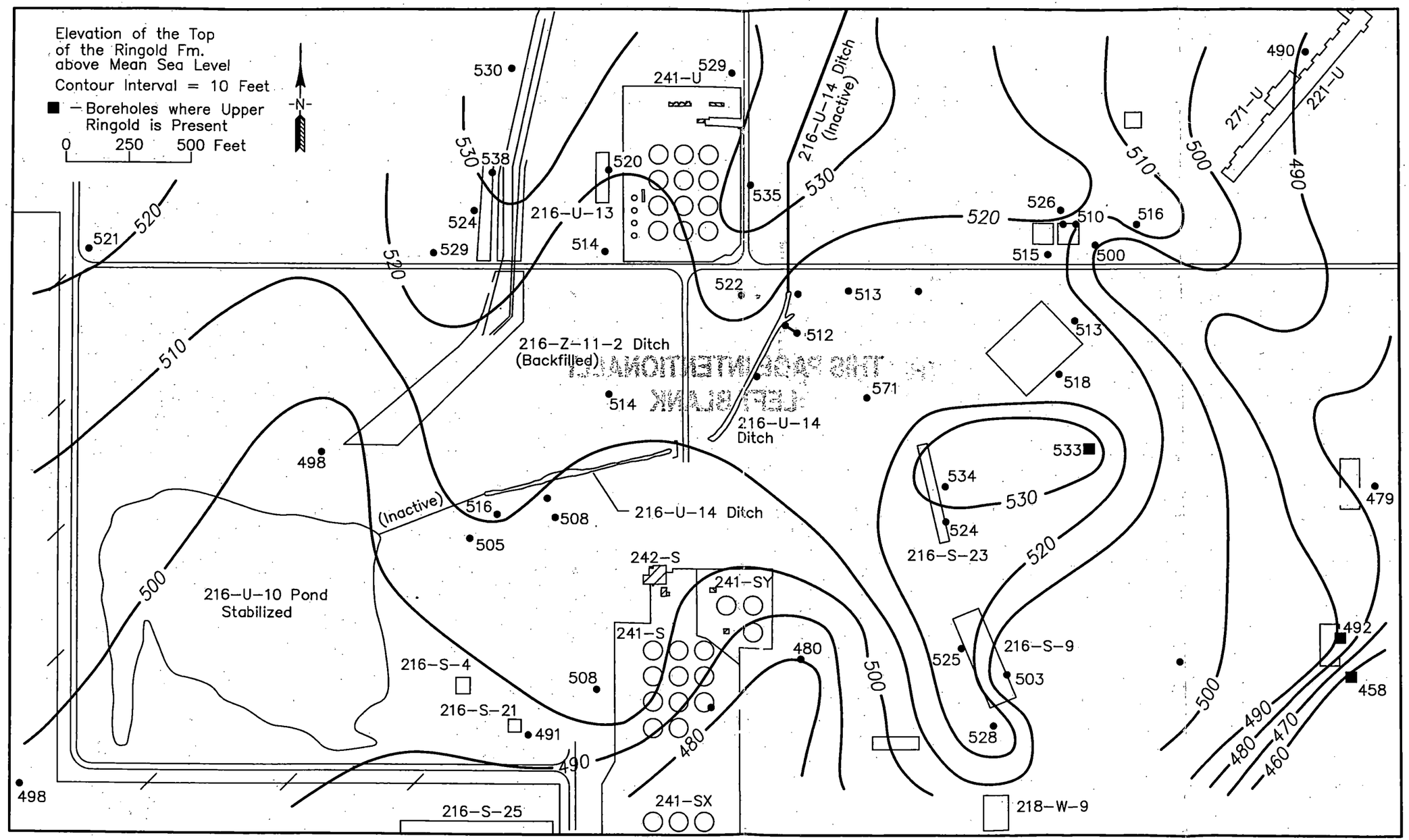
Figure 18. Structure Contour Map of the Top of the Ringold Formation.

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the margins of the Pasco Basin. Recharge of the deep basalt aquifers is inferred to result from interbasin groundwater movement originating northeast and northwest of the Pasco Basin in areas where the Wanapum and Grande Ronde Basalts crop out extensively (DOE 1988). Groundwater discharge from shallow basalt aquifers is probably to the overlying aquifers and the Columbia River. Discharge areas for the deeper aquifers are uncertain, but flow is inferred to be generally southeastward with discharge speculated to be south of the Hanford Site (DOE 1988). Erosional "windows" through dense basalt flow interiors at the top of the basalt aquifer system allow direct interconnection between the unconfined and uppermost confined aquifers (Graham et al. 1984).

The suprabasalt sediment aquifer is contained within the Hanford formation and the Ringold Formation. The top of this aquifer lies at depths ranging from less than 0.3 m (1 ft) near West Lake and the Columbia and Yakima Rivers, to greater than 107 m (350 ft) near the center of the Hanford Site. The base of the uppermost aquifer system is defined as the surface of the uppermost basalt flow. The water table beneath the western portion of the Hanford Site is generally within gravels of Ringold unit E. In the northern and eastern portions of the Hanford Site, the water table is generally within the Hanford formation. Overbank and lacustrine deposits in the Ringold Formation locally form confining layers for the underlying Ringold fluvial gravel and sand. The uppermost aquifer system is bounded laterally by anticlinal basalt ridges and is approximately 152 m (500 ft) thick near the center of the basin. Hydraulic conductivities for the Hanford formation (0.71 to 3.53 cm/s [2,000 to 10,000 ft/d]) are much greater than those of the gravel facies of the Ringold formation (0.22 to 1.08 cm/s [610 to 3,050 ft/d]).

Natural recharge to the uppermost aquifer system consists of rainfall and runoff from the hills bordering the Hanford Site, water infiltrating from small ephemeral streams, and river water along influent reaches of the Yakima and Columbia Rivers. The mean annual precipitation at the Hanford Meteorology Station is approximately 161 mm (6.3 in.). Evapotranspiration ranges from 805 to 1,450 mm (31 to 57 in.) (DOE 1988). The movement of moisture from precipitation through the unsaturated (vadose) zone varies. Gee (1987) and Routson and Johnson (1990) indicate it is nonexistent across much of the Hanford Site while Rockhold et al. (1990) suggest that downward water movement below the root zone is common in the 300 Area. For an undisturbed site west of the 200 Area, meteoric chloride mass balance methods suggest long-term net in filtration of less than 1 mm/yr (less than 0.04 in./yr) (Murphy et al. 1991). Artificial recharge occurs from the disposal of wastewater on the Hanford Site (principally in the 200 Areas), and from large irrigation projects surrounding the Hanford Site.

**4.1.3.3 Unsaturated Zone.** Vadose zone conditions across the Hanford Site show variations similar to those displayed by the uppermost aquifer system. Vadose zone sediments range from open framework gravel-dominated facies of the Hanford formation, to interbedded silt and sand of the silt-dominated facies, to calcium carbonate-rich deposits of the early Palouse/Plio-Pleistocene interval, to cemented gravels of the Ringold Formation. Van Genuchten curve fitting parameters for the major stratigraphic units beneath the 200 East and West Areas are summarized in Connelly et al. (1992a, Table 3-1 and 1992b, Table 3-1), respectively. Parameters from this table are highly variable and an accurate assessment is dependant on site-specific data.



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### 4.1.4 216-U-14 Ditch Hydrogeology

**4.1.4.1 Surface Water Sources.** No natural surface-water bodies exist in the immediate vicinity of the 216-U-14 Ditch. The nearest natural surface-water body is located 4.8 km (3 mi) southwest of the ditch in the Cold Creek drainage where runoff from ephemeral waters ponds to several feet during the spring.

Wastewater ponds, cribs, and ditches associated with nuclear fuel reprocessing and related activities have been used to dispose effluent in the soil column. Near the Ditch, major sources of artificial recharge to the soil column are U-Pond, the 216-U-14 Ditch, and 216-Z-20 Ditch. Between 1944 and 1984, U-Pond received 1.62E11 L (4.28E10 gal) of wastewater. Since 1985, the 216-U-14 and 216-Z-20 collectively have received 4.16E9 L (1.09E9 gal) of water or about 42 and 28%, respectively of the discharge to the soil column in the 200 West Area. The remaining 30% of the discharge can predominately be attributed to 216-S-10, 216-S-26, 216-U-12, 216-U-16, 216-U-17, 216-W-LWC, and the 284-WB Powerhouse Pond. The infiltration rate beneath the ditch before 1985 is unknown. The average rate of discharge into the ditch since 1985 is approximately 605 L/minute (160 gal/minute). The current rate of discharge into the ditch is about 378 L/minute (100 gal/minute) on the eastern end of the ditch and less than 19 L/minute (5 gal/minute) on the western end.

**4.1.4.2 216-U-14 Ditch Hydrogeology.** Hydrostratigraphic units near the ditch are (1) Holocene deposits, (2) the upper coarse unit of the Hanford formation, (3) the lower fine unit of the Hanford formation, (4) the early Palouse/Plio-Pleistocene interval, (5) the Ringold Formation, and (6) the Elephant Mountain Basalt. Holocene deposits, the Hanford formation, the early Palouse soil/Plio-Pleistocene unit, and uppermost portion of the Ringold Formation occur within the vadose zone. The vadose zone is 60.5 to 64 m (199 to 210 ft) thick in the immediate area of the 216-U-14 Ditch and thickens to the south.

Holocene deposits in the bottom of the ditch decrease the infiltration capacity. These horizons are likely equivalent to zones that were periodically dredged from the ditch in the past and selectively absorb certain contaminants. No data are available to determine the hydrologic properties of this horizon.

The upper coarse gravel unit of the Hanford formation consists of a highly permeable facies. The upper coarse unit occurs adjacent to the ditch and immediately below holocene deposits in the bottom of the ditch. Interbedded horizons typical of the silt-dominated facies are present locally; however, the lack of perched water noted during drilling in these gravels indicates these silts are not a significant barrier to vadose transport. Calcium carbonate values in this zone are typically less than 1% and range to 3.5%; moisture ranges between 2.1 and 17.3% with the finer grained interbeds having the greater moisture percent (recent data is not available from the eastern end of the ditch). Saturated hydraulic conductivities range between 1.10E-02 cm/s (31 ft/day) and 5.5E-02 cm/s (156 ft/day) in well 299-W18-21 located west of the study area.

The lower fine unit of the Hanford formation consists mainly of interstratified sands and silts and contain perched water zones in the immediate area of the ditch. Perched water occurs at 20 and 30 m (64 and

99 ft) below ground surface (bgs) in wells 299-W18-250 and 299-W18-251, respectively. The saturated thickness of the two zones were 1.2 and 2.1 m (4 and 7 ft), respectively and perched water flow is to the west. As a result of the abundant lateral discontinuities in the form of lenticular beds and clastic dikes and limited discharge from the 242-S Evaporator (in comparison to $UO_3$ discharge), perching in the lower unit appears to be of limited lateral extent and control by interbedded material beneath the western end of the ditch. Data collected from this zone during the recent investigation indicate that the calcium carbonate is less than 1 to 2%; moisture content ranges between 3.1 to 31.5% except upgradient well 299-W18-33 where it is between 2.6 to 8.83%. Saturated hydraulic conductivities are between 1E-7 (2.83E-4 ft/day) and 6.9E-5 cm/s (0.2 ft/day).

Perched water occurs in existing wells 299-W19-91, 299-W19-92, and 299-W19-93 on the eastern end of the ditch. The top of the perched water zone has been as high as 199 m (620 ft) above mean sea level and as low as 169 m (555 ft) above sea level over the last four years. It is assumed that the saturated thickness of this zone extends past the screen interval to the top of the early Palouse soil/Plio-Pleistocene unit. Construction data from the late 1980's indicate that the perched water zone extends to well 299-W19-27. The perched water zone does not extend to the screen interval in well 299-W19-22. The abundance of clastic dikes in the early Palouse/plio-Pleistocene unit on the eastern end of the ditch may contribute to the apparent limited lateral extent of the perched water zone by providing vertical pathways through the interval.

The thickness of the early Palouse/Plio-Pleistocene ranges between 2 and 15 m (7 and 48 ft) near the ditch. Locally this unit is a major component in the subsurface controlling the accumulation of perched water because of the formation of abundant pedogenic calcium carbonate in this horizon. This appears to be the case on the eastern end of the ditch where perching is vertically extensive. Perched water was not observed on top of the early Palouse/Plio-Pleistocene on the western end of the ditch. Data collected from this zone during the recent investigation indicate that the calcium carbonate values are less than 1 to 9.6%; moisture content ranges between 5.42 to 24.8%; saturated hydraulic conductivities are between 5.5E-6 cm/s (2E-2 ft/day) and 2.58E-3 cm/s (7.3 ft/day).

The Ringold Formation comprises the lower part of the vadose zone and also contains the semiconfined and unconfined aquifer. Ringold Formation strata above the water table in the study area consists largely of the partially cemented fluvial gravels and minor sands and silts of unit E. Cemented zones and silt layers within these units may potentially cause perched conditions, although this is not documented. Data collected during the recent investigation indicates the calcium carbonate is less than 1% in this zone, the moisture content is between 3.0 and 18.3%, and the saturated hydraulic conductivity is 4.0E-3 cm/s (11.3 ft/day).

The unconfined aquifer occurs in the partially cemented fluvial gravels of Ringold unit E at depths between 61.0 and 64.4 m bgs (200 to 209 ft). Well-indurated and silt-rich zones that generate locally confined aquifer conditions have been occasionally encountered in unit E in the northern portion of the 200 West Area. The presence of cemented zones in coreholes DH-7 (299-W19-10), DH-12 (299-W14-7), and DH-13A (299-W14-8A)



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suggests similar conditions may occur in the southern half of the 200 West Area. However, it is not clear how laterally extensive they are and if locally confined conditions occur. Groundwater flow is radial and generally to the northeast, away from the groundwater mound in the area of investigation (Figure 19) and the water table is declining at a rate of about 1 ft per year. The saturated thickness of unit E beneath the southern half of the 200 West Area ranges from approximately 61 m (200 ft) in the northwest and west to 47 m (155 ft) in the east. Slug test wells 299-W23-16, 299-W23-17, and 299-W18-33 indicate that hydraulic conductivities are 0.6, 1.5, and 1.2 m/day (2, 5, and 4 ft/day).

The lower mud unit forms the base of the uppermost aquifer zone in the 200 West Area. No pathways through the lower mud unit into underlying units (such as erosional windows) are known to occur in the southern 200 West Area. Ringold unit A forms the lowest zone in the aquifer system above the basalts beneath the 200 West Area.

The Elephant Mountain Member is the bedrock beneath the site. The basalt has a low hydraulic conductivity of 0.009 m/day (0.03 ft/day). The surface of the Elephant Mountain Member dips to the south-southeast toward the axis of the Cold Creek syncline.

## 4.2 HYDROLOGIC RESPONSES TO EFFLUENT DISPOSAL

Hydrologic responses to discharge have been observed at the water table throughout the 200 West Area. The relationship between discharge and changes in the level of the water table can be evaluated by comparing hydrographs and plots of discharge over time. Figure 20 contains hydrographs of selected wells in the 200 West Area and plots of discharge over time that show the historical relationship between effluent discharge and the rise and fall of the water table. The plots show the rise of the water table during the 1940's, when major discharge to the sediment column first began and variations in discharge which are reflected specifically by the rise or fall in the water table in 1953, 1966, 1973, and 1985. Water table maps in Figure 21 show the influence of effluent disposal from U Pond and migration of the groundwater mound towards major sources of discharge between 1944 and 1987. Migration of the mound eastward reflects periods of decreased discharge at U Pond, and the influence of facilities discharging to the soil column after the stabilization of U Pond in 1985.

Hydrologic response to effluent discharge at the ditch are seen by the development of a vertically extensive perched water zone beneath the ditch and changes in perched water zone and water table elevation. Hydrographs from well 299-W19-93 (Figure 22) show water levels declining at a rate of 1.83 m/year (6 ft/year) between January and June 1990 when average discharge was approximately 378 to 605 L/minute (100 to 160 gal/minute). With an increase in average discharge to a maximum of 1,756 L/minute (464 gal/minute) between June 1990 and December 1991, the rise of the water table was 9.14 m (30 ft), which was followed by a period of decreased discharge and decline in water levels. The next major rise in water level elevation occurs between February and June 1993 and is associated with the final $UO_3$ stabilization run. The peak level of discharge was 1,363 L/minute (360 gal/minute average) in

Figure 19. Water Table Map of the 200 West Area (June 1993).

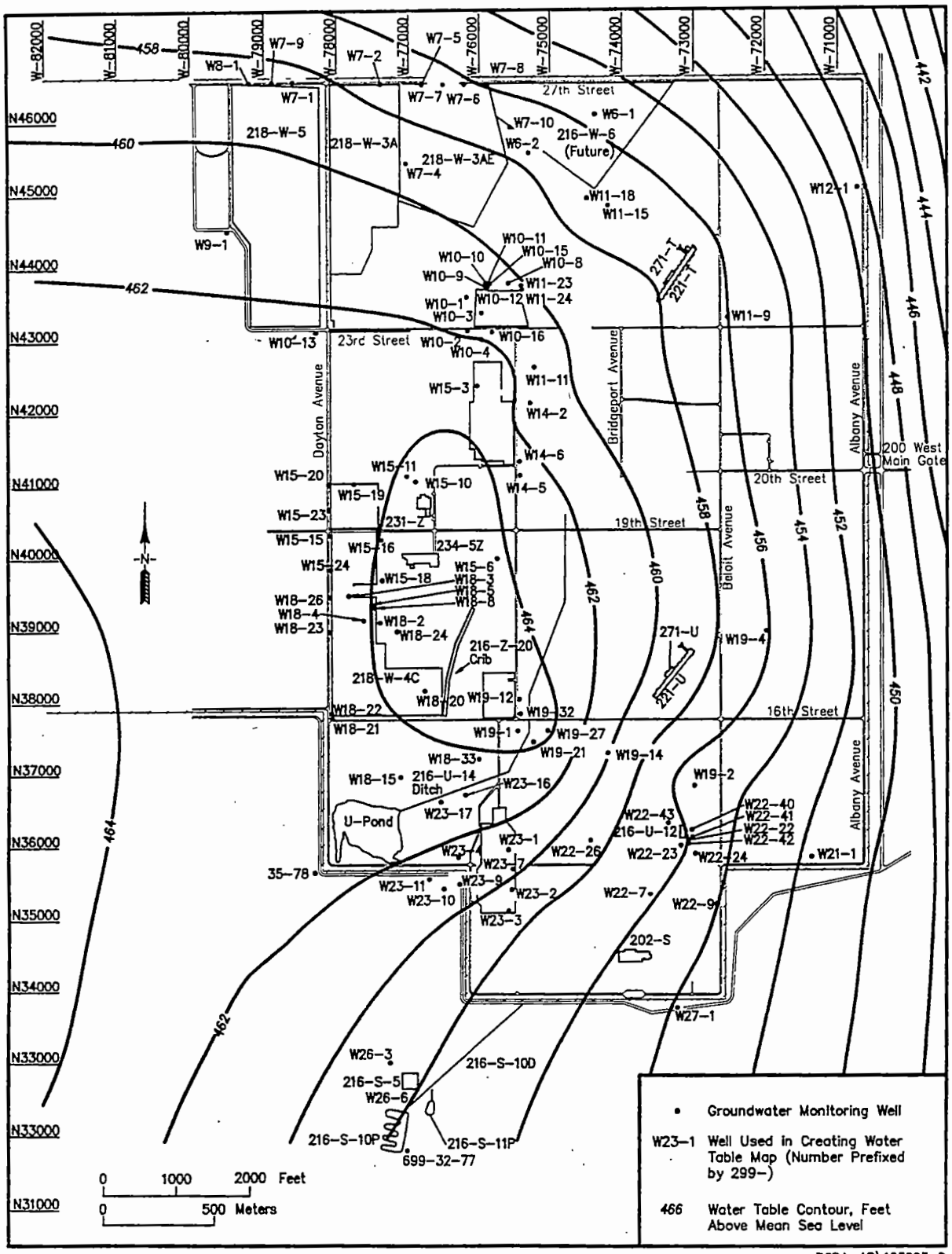
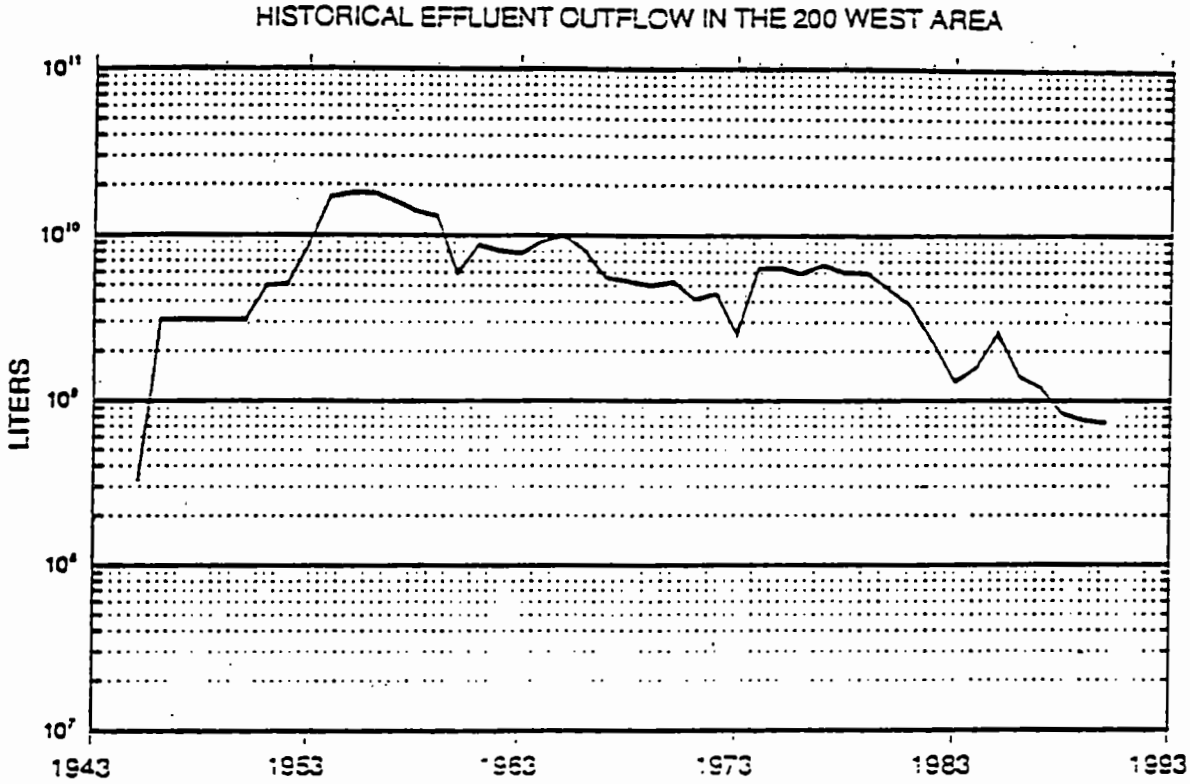


Figure 20. Outflow Data and Hydrograph Illustrating the Relationship Between Effluent Discharge and Change in Water Table Elevation.



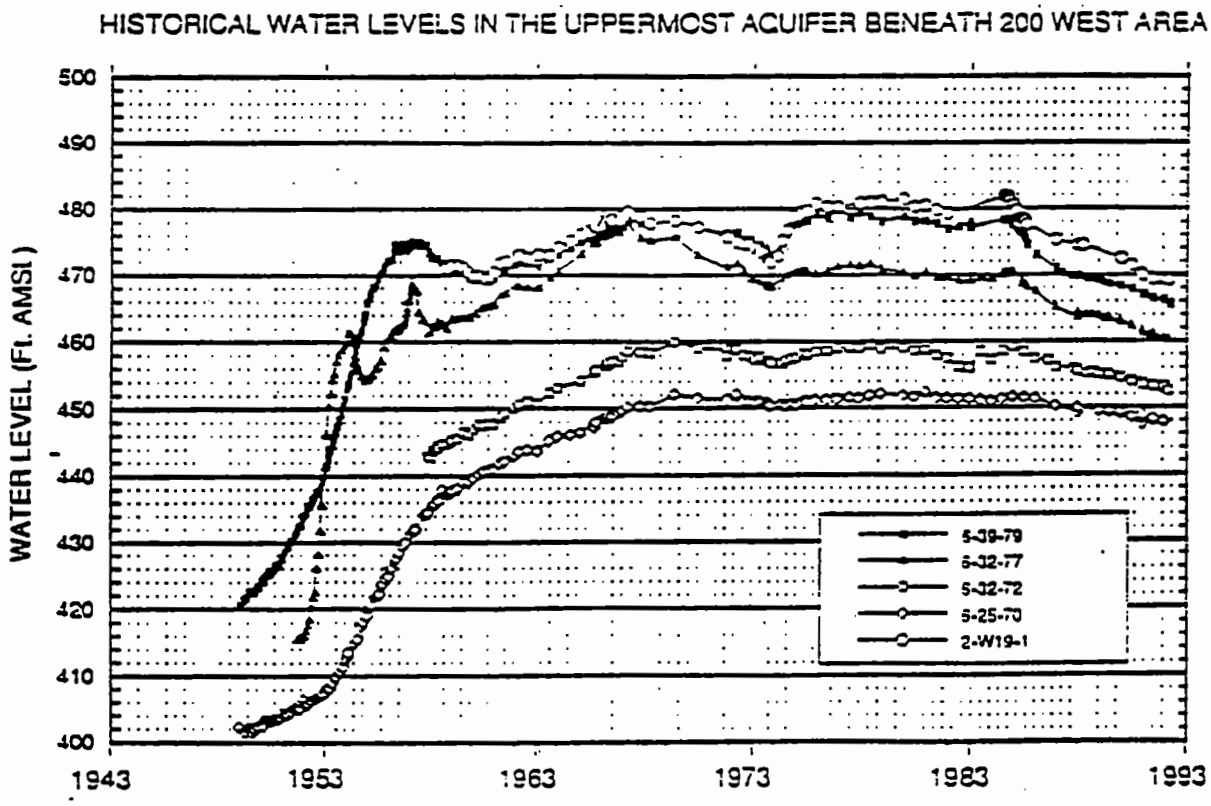
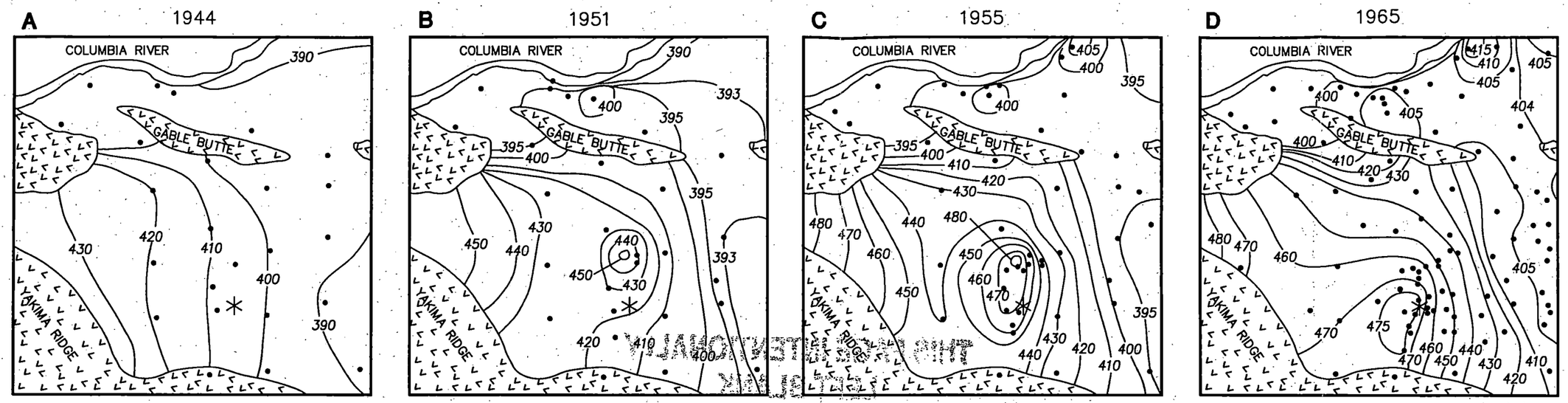
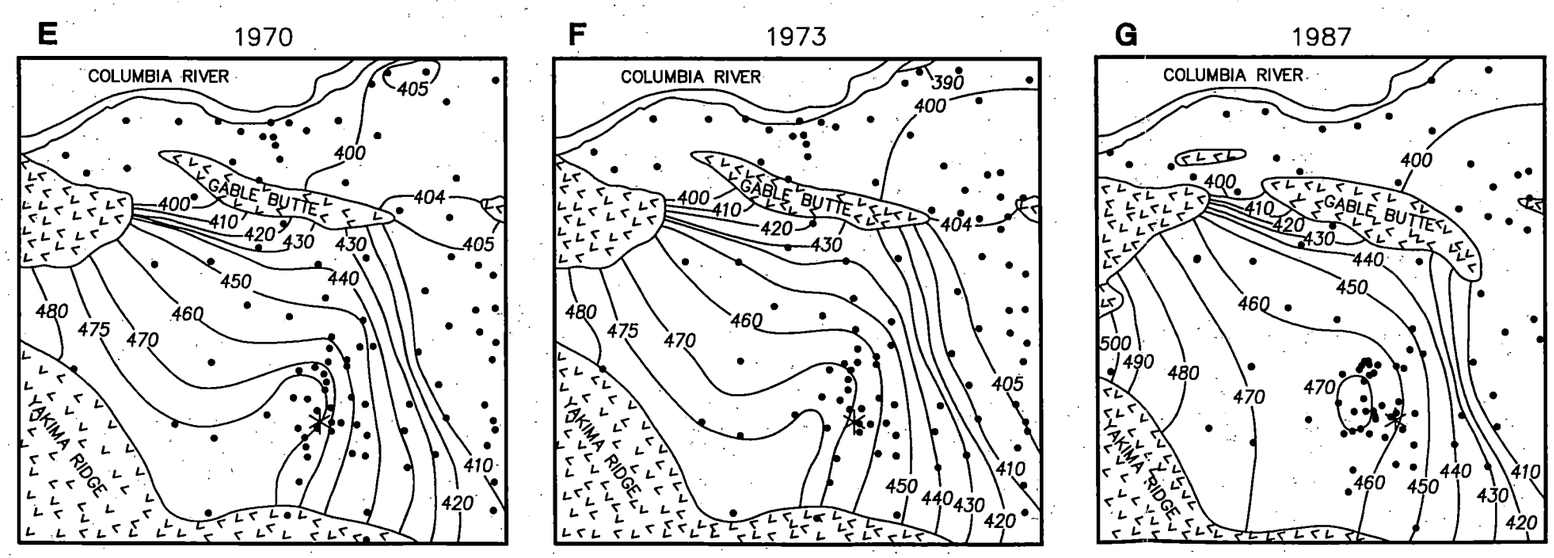



Figure 21. Water Table Maps of the 200 West Area from 1944 to 1987.




Legend

✳ Location of 216-U-Pond

• Monitoring wells for water level measurements

450 Contour of water level elevation (feet above mean sea level)

Estimated basalt outcrop above water table

Maps A–F from Kipp and Mudd, 1974
Map G from Evans and others, 1988

Note: To convert to metric, multiply elevation (feet) by 0.3048 to obtain elevation (meters)

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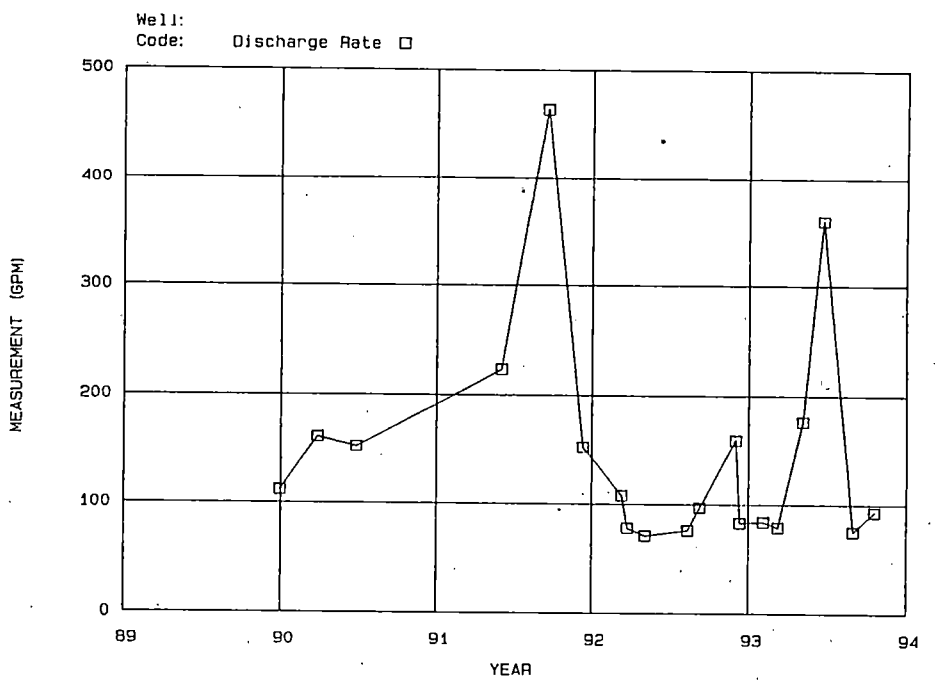
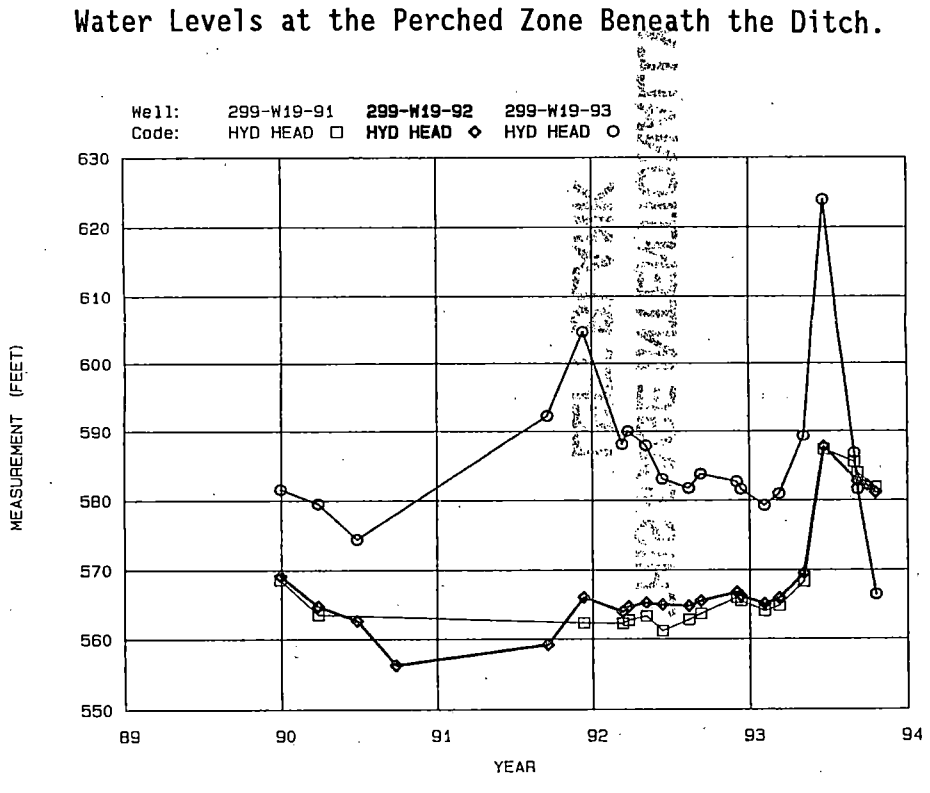
Discharge into the Ditch.




Water Levels at the Perched Zone Beneath the Ditch.




Water Levels at the Water Table Beneath the Ditch.

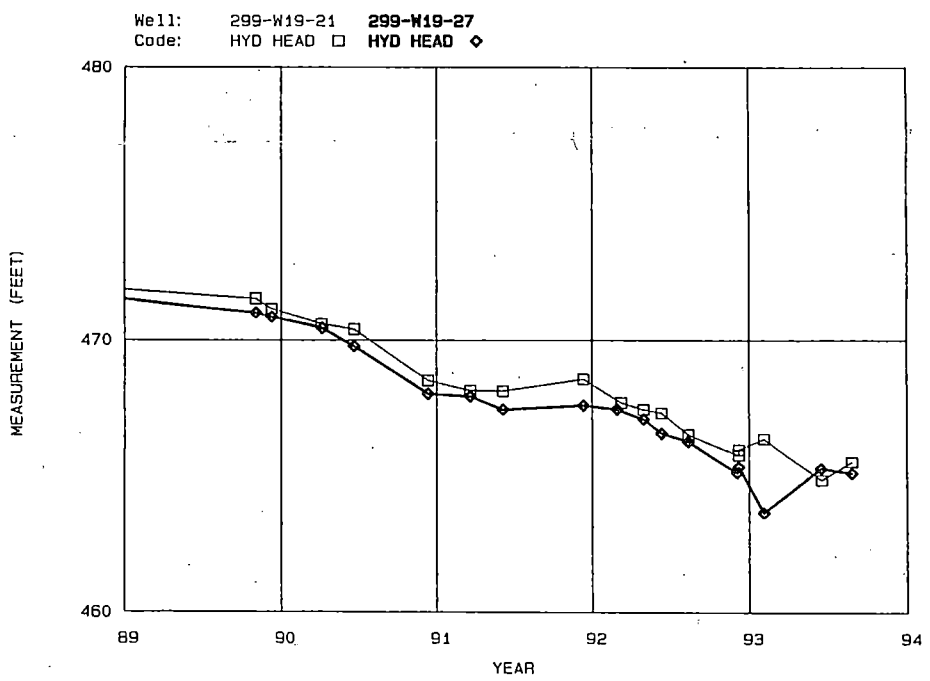



Figure 22. Outflow and Hydrographs of the Perched Zone and Groundwater Illustrating the Relationship Between Effluent Discharge and Changes in Water Table Elevation.

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June 1993 and corresponds with a 14 m (45 ft) rise in water level. Similar changes are also seen in wells 299-W19-91 and 299-W19-92; however, the responses are not as pronounced as most of the discharge infiltrates in the immediate area of well 299-W19-93 and drains away from the perched mound created. Figure 22 suggests that the rise in water level in the perched water zone is associated with discharge greater than about 568 L/minute (150 gal/minute). Dissipation of the vertically extensive perched water mound shortly after periods of peak discharge is indicative of a vertical pathway (possibly clastic dikes, well seals) through the perching horizon.

Effects from discharge are also seen in the water table but are less pronounced than changes in the perched water zone. Hydrographs from wells 299-W19-21 and 299-W19-27 suggest correlation between discharge and change in the water table in December 1991 and at the start of the stabilization run (February to June 1993). The maximum rise in the water table at a discharge rate of 1,363 L/minute (360 gal/minute) is about 0.5 m (1.5 ft).

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## 4.3 NATURE AND EXTENT OF CONTAMINATION

This section identifies contaminants that are elevated in the subsurface and describes concentration and distribution. Groundwater contaminants are evaluated by comparison with the groundwater quality criteria (GQC), derived concentration guide (DCG), or Westinghouse Hanford Company provisional groundwater background (PGB) levels (Johnson 1993b). Sediment samples are compared to the sitewide threshold background value at the 95% upper confidence limit (DOE-RL 1993) because an assessment criteria has not been established for this medium.

Filtered samples are used to assess the representative concentration of inorganic contaminants (e.g., metals) in the groundwater. The filtering of samples is necessary as artificially induced disturbance (e.g., drilling, purging, and sampling) to the groundwater system increases turbidity. Inorganic analysis is sensitive to turbidity because metals are attached to the suspended solids.

Contaminants are generally described relative to points of discharge within the ditch (e.g., eastern versus western end of the ditch), and by occurrence in the sediment column, perched water zone, and groundwater. Detection of contaminants above the water table and background levels indicate influence from the ditch.

### 4.3.1 Arsenic

One round of data are available to assess the concentration of arsenic in the perched water zone. Two to five rounds of data are available to assess the concentration of arsenic in the groundwater. The GQC and PGB is 0.05 and 10 parts per billion (ppb), respectively. The provisional background standard is of 10 ppb in groundwater. The sitewide threshold background value for arsenic is 8,900 ppb in the soil column.

Monitoring well and test pit sediment samples indicate that arsenic is below sitewide background levels in the soil column. The concentration of arsenic from monitoring wells ranges between 1,400 and 3,700 ppb in the sediment column. Sediment samples from test pits on the eastern end of the ditch are between 820 and 1,500 ppb.

The perched water zone beneath the western end of the ditch contains elevated concentrations of arsenic. Unfiltered samples collected while drilling perched wells contain arsenic ranging between 6.9 and 23 ppb. The level of arsenic in the only filtered sample available is 22 ppb.

Perched water samples on the eastern end of the ditch also contain elevated amounts of arsenic. The concentration in unfiltered samples ranges between 5 and 10 ppb. Data are not available to evaluate the filtered concentration in the perched water zone on the eastern end of the ditch.

The concentration of arsenic in the groundwater is consistently above the GQC and ranges between 5 and 14 ppb in filtered samples. Samples from the western end of the ditch range between 5.6 and 10 ppb and 11 to 12 ppb at U Pond. Samples from the eastern end of the ditch are between 12 and 14 ppb and exceed the background standard. Arsenic is less than or equal to 6 ppb in upgradient wells north of the site. Figure 23 contains a plume map depicting the extent of arsenic contamination in the 200 West Area and near the ditch.

The concentration of arsenic in the soil column is less than background and elevated in the perched water zone and groundwater. These data suggest that naturally occurring arsenic may be leached out of the soil by the percolating wastewater and affecting the underlaying perched water zone and groundwater as indicated by concentrations above background. Significant concentrations of arsenic were not detected in the 216-U-14 Ditch waste streams. Arsenic may not have been detected in the waste stream because the detection limit used for effluent monitoring is not low enough for comparison with the GQC.

### 4.3.2 Aroclor-1254

Between one and two rounds of data are available to assess the concentration of aroclor-1254 in the perched water zone and groundwater. The GQC is 0.01 ppb in groundwater. A background standard has not been established for sediments and groundwater.

Aroclor-1254 was detected at a concentration of 7 ppb in one sediment sample from ETP-1 at a depth of 6 ft. Aroclor was not detected in the perched water zone or groundwater.

### 4.3.3 Barium

Two rounds of data are currently available to assess the impact of barium in the perched water zone. Between one and eleven rounds of data are available to assess the concentration of barium in the groundwater. The GQC and PGB is 1,000 and 68.5 ppb, respectively. The sitewide threshold background value for barium is 171,000 ppb in the soil column.

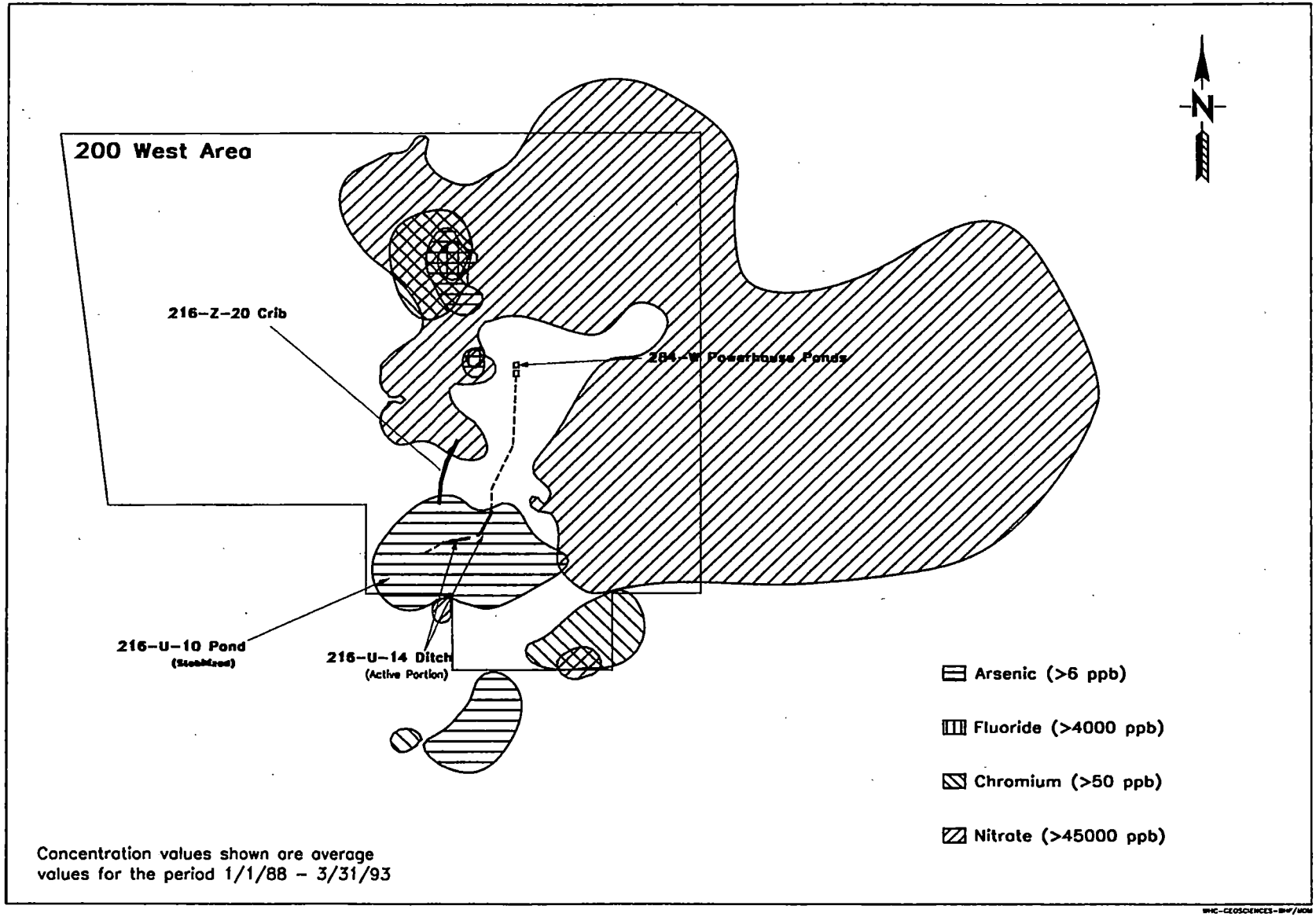


Figure 23. Areal Distribution of Nonradioactive Contaminants in the 200 West Groundwater (Ford 1993).

Sediment samples from perched and groundwater monitoring wells indicate that barium is below sitewide threshold background values in the soil column. The concentration of barium from sediment samples from wells are between 72,000 and 110,000 ppb. The concentrations detected in test pit sediment samples range between 63,000 and 86,000 ppb beneath the ditch.

The concentration of barium in all perched water wells sampled during the June-July 1993 campaign indicate that this contaminant does not exceed the assessment criteria. The concentration in all filtered samples collected, including those collected during drilling, are no greater than 48 ppb. Unfiltered samples are as high as 270 ppb.

Two unfiltered perched water samples collected in 1992 from well 299-W19-91 suggest that barium may exceed the GQC. The concentrations in the perched water zone in 1992 were 7,200 and 1,100 ppb. Samples collected since that time show a consistent downward trend in the level of unfiltered barium in the perched water zone (Figure 24). In addition, unfiltered samples from other perched wells near the ditch do not exceed 410 ppb. After remediation, purging and sampling, the concentration of unfiltered barium in well 299-W19-91 is 70 ppb. The elevated concentrations in this well in the past may be due to improper sampling methods and poor well condition.

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Barium does not exceed background levels in the groundwater. The range of barium contamination in the groundwater is 16 to 56 ppb in filtered samples and 16 to 37 ppb in unfiltered samples.

Because this contaminant does not exceed the GQC or background in either the sediment column or the perched water zone or groundwater, barium is not a vadose or groundwater contaminant of interest.

### 4.3.4 Bis-(2-ethyhexyl) Phathalate

Between one and three rounds of data are available to assess the concentration of bis-(2-ethyhexyl) phathalate in the perched water zone and groundwater. The GQC is 6 ppb in groundwater. A background standard has not been established for sediments and groundwater.

Bis-(2-ethyhexyl) phathalate was detected at a depth of 6 ft at a concentration of 94 ppb in one sediment sample from ETP-1. Bis-(2-ethyhexyl) phathalate was not detected in the perched water zone or groundwater.

### 4.3.5 Cadmium

Between one and seven rounds of data are currently available to assess the impact of cadmium in the perched water zone. Between one and eleven rounds of data are available to assess the concentration of cadmium in the groundwater. The GQC is 10 ppb for cadmium. Provisional and sitewide background values have not been established for this contaminant in groundwater or sediments.

Cadmium was not detected in sediment samples collected at the 216-U-14 Ditch.

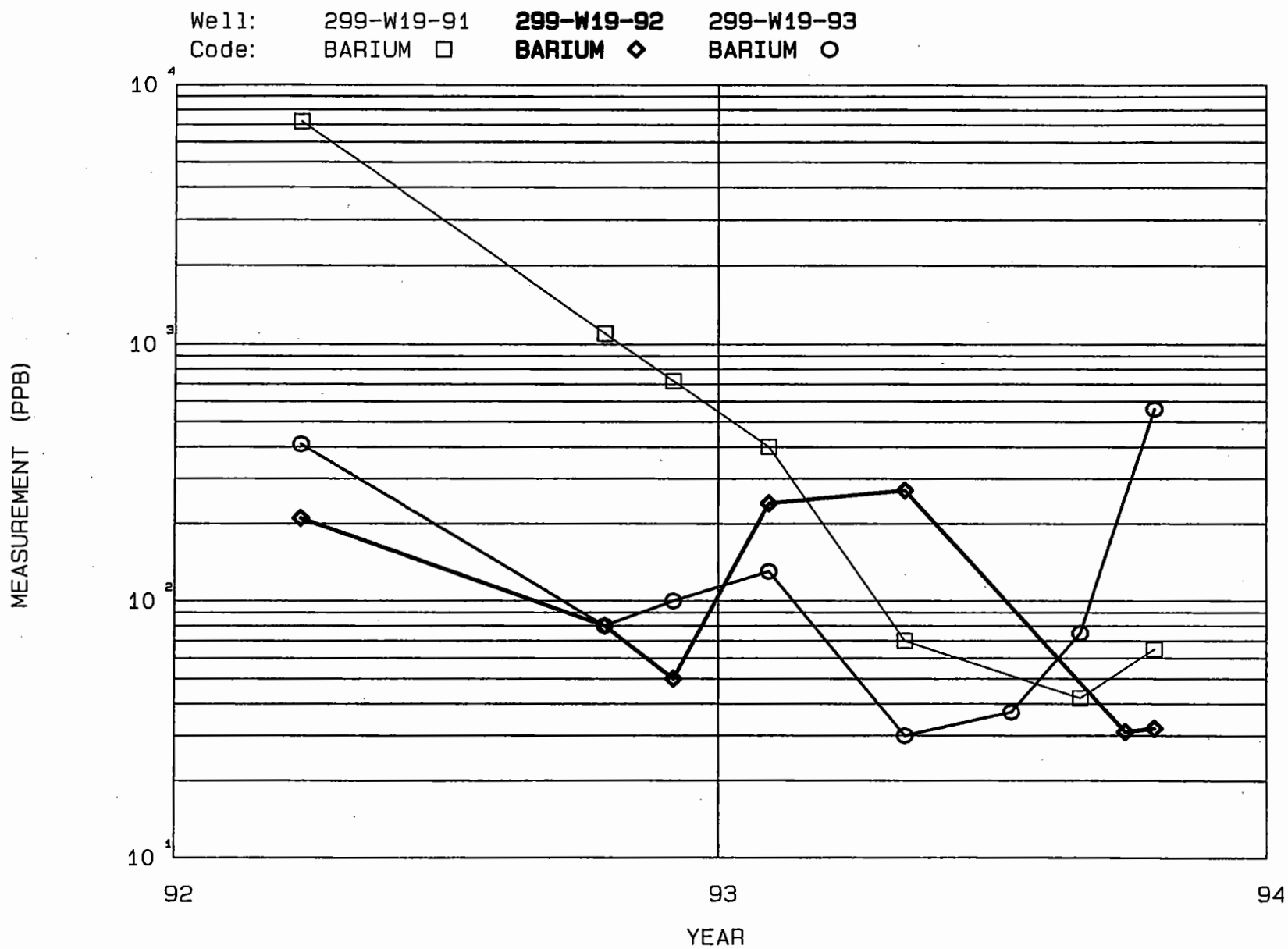


Figure 24. Unfiltered Concentration of Barium in the Perched Water Zone Versus Time in Wells 299-W19-91, 299-W19-92, and 299-W19-93.

Cadmium was detected in one unfiltered groundwater sample from well 299-W19-1 in 1990 at a concentration of 94 ppb. Cadmium was not detected in the remaining filtered and unfiltered samples collected at the ditch. Because well 299-W19-1 is an upgradient well, unfiltered samples are not representative of the concentrations in the groundwater and cadmium was not detected in the downgradient groundwater, it is not a contaminant of interest.

### 4.3.6 Carbon Tetrachloride

As many as eight rounds of data are available to assess the concentration of carbon tetrachloride in the perched water zone. Between one and thirteen rounds of data are available to assess the concentration of carbon tetrachloride in the groundwater. The GQC is 0.3 ppb. A background standard has not been established for sediments and groundwater.

Carbon tetrachloride was not detected in sediment or perched water samples collected at the ditch.

The concentration of carbon tetrachloride in the groundwater ranges between 1.4 and 140 ppb; 140 ppb was detected in well 299-W18-15 at U Pond during the June-July 1993 timeframe. This contaminant ranges between 1.4 and 17 ppb in downgradient wells at the ditch.

Carbon tetrachloride does not appear to be a 216-U-14 Ditch contaminant of interest because the contaminant was not detected above the water table. Carbon tetrachloride in the groundwater is associated with past-practice activities at the Plutonium Finishing Plant.

### 4.3.7 Chromium

Between one and seven rounds of data are available to assess the concentration of chromium in the perched water zone. Up to eleven rounds of data are available to assess the concentration of chromium in the groundwater. The GQC and PGB is 50 and less than 30 ppb, respectively. The sitewide threshold background value for chromium is 28,000 ppb in the sediment column.

Sediment samples from perched and groundwater monitoring wells indicate that chromium is below sitewide threshold background values in the soil column. The concentration of chromium in the sediment column from wells is between 5,000 and 17,500 ppb. The concentrations from test pits on the eastern end of the ditch are between 5,800 and 6,700 ppb.

Chromium was not detected in filtered samples from the perched water zone. The concentration of unfiltered chromium in the perched water zone on the western end of the ditch is 40 ppb. Unfiltered samples collected from the perched water zone on the eastern end of the ditch range between 50 and 110 ppb.

Chromium was not detected in filtered samples from downgradient groundwater monitoring wells. Chromium in the groundwater was detected at concentrations between 20 and 34 ppb in unfiltered samples from the western

end of the ditch and 24 to 29 ppb on the eastern end of the ditch. The concentration of filtered chromium from upgradient wells is between 20 and 34 ppb and 149 to 360 ppb in unfiltered samples.

Chromium is not a contaminant of interest because all soil samples collected are below the background standard. Chromium was also not detected in filtered samples from the perched water zone or groundwater.

### 4.3.8 Gross Alpha

Between one and eight rounds of data are available to assess the concentration of gross alpha in the perched water zone. As many as 30 rounds of data are available to assess the concentration of gross alpha in the groundwater. The GQC for gross alpha contamination is 15 pCi/L in groundwater. Provisional and sitewide background values have not been established for this contaminant in groundwater or sediments.

Data are not available to evaluate the distribution of gross alpha contamination in the sediment column.

The range of gross alpha contamination in the perched water zone is between 12.2 and 900 pCi/L. Concentrations between 17.7 and 29.4 pCi/L are observed on the western end of the ditch. Higher concentrations of gross alpha contamination ranging between 12.2 and 900 pCi/L (average concentration equals 93.6 pCi/L) are observed on the eastern end of the ditch. A downward trend in the level of contamination with time is apparent (Figure 25). If the 900 pCi/L measurement is considered an outliers, then the range is 12.2 to 182 pCi/L (average concentration 53 pCi/L). All perched water samples collected during the June-July 1993 sampling campaign exceed the GQC criteria.

Gross alpha in downgradient groundwater monitoring wells on the eastern end of the ditch range between 4.25 and 26.3 pCi/L (average concentration 13.3 pCi/L) and increase over time (Figure 26). The contaminant concentration ranges between 2.5 and 11.9 ppb on the western end of the ditch (average concentration 6.08 pCi/L) except well 299-W18-15, which monitors downgradient water quality from U Pond. The range of contamination for well 299-W18-15 is between 7 and 334 ppb; more than 86 of the 89 rounds of sampling exceed the GQC of 15 pCi/L. The average concentration of detected gross alpha contamination in upgradient wells to the north is 4.5 pCi/L. The distribution of gross alpha contamination is depicted in Figure 27.

The presence of gross alpha in the groundwater appears to be largely associated with U Pond. However, concentrations observed in the perched water zone also suggest significant contributions of alpha emitting contamination from the ditch.

### 4.3.9 Gross Beta

Between one and eight rounds of data are available to assess the concentration of gross beta contamination in the perched water zone. As many as 27 rounds of data are available to assess the concentration of this

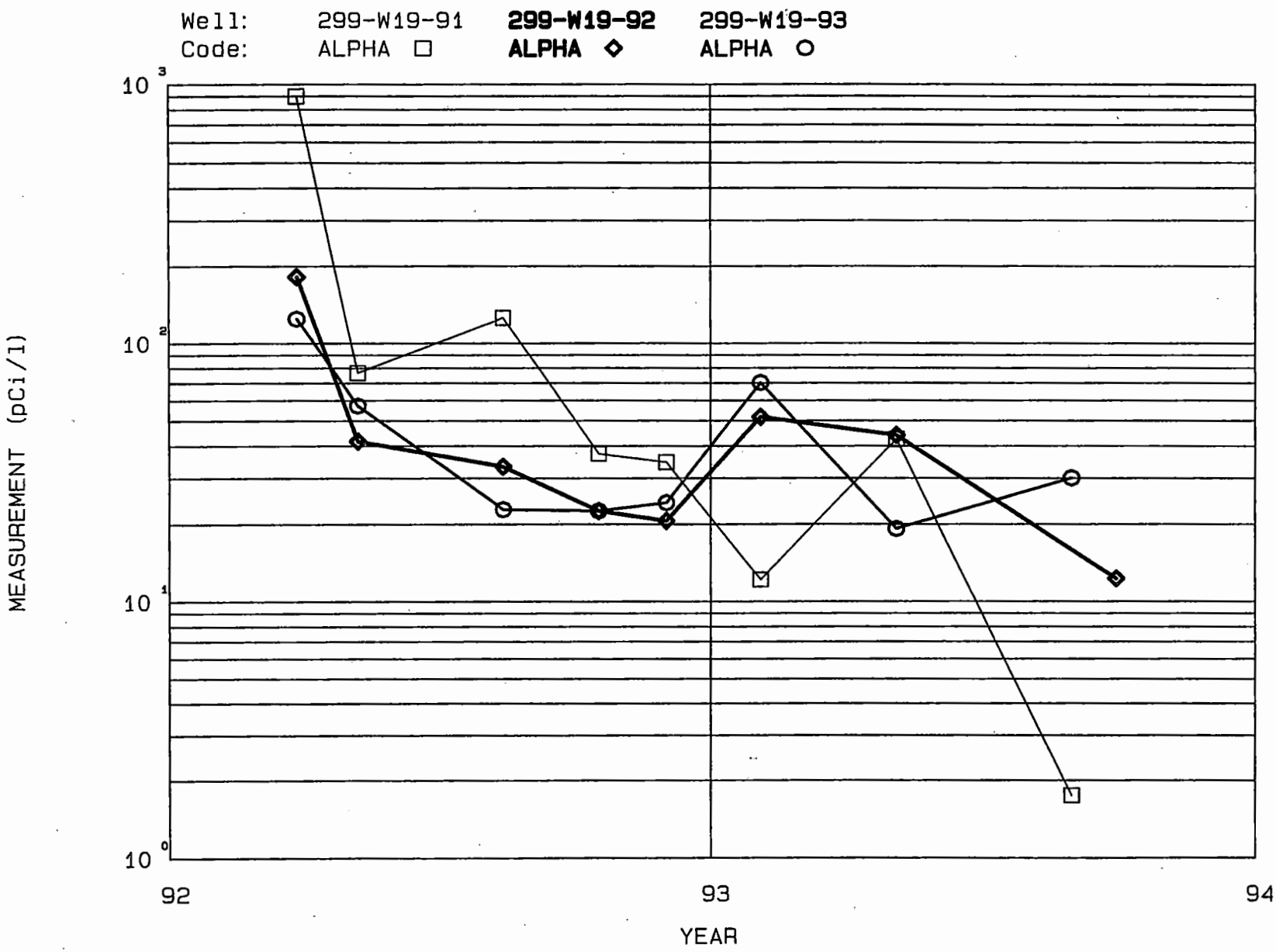


Figure 25. Gross Alpha Contamination in the Perched Water Zone Versus Time in Wells 299-W19-91, 299-W19-92, and 299-W19-93.

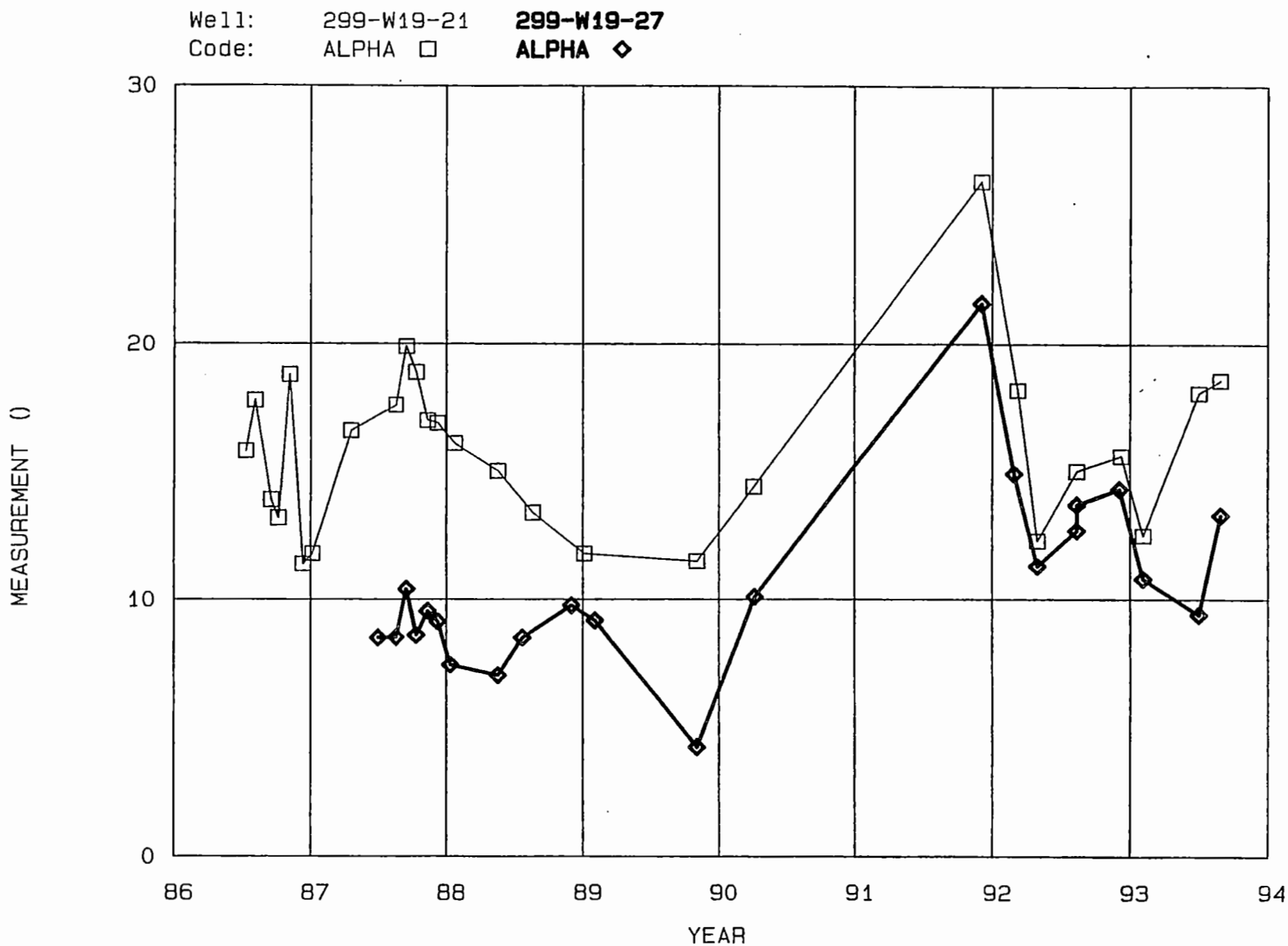


Figure 26. Gross Alpha Contamination in the Groundwater Versus Time in Wells 299-W19-21 and 299-W19-27.

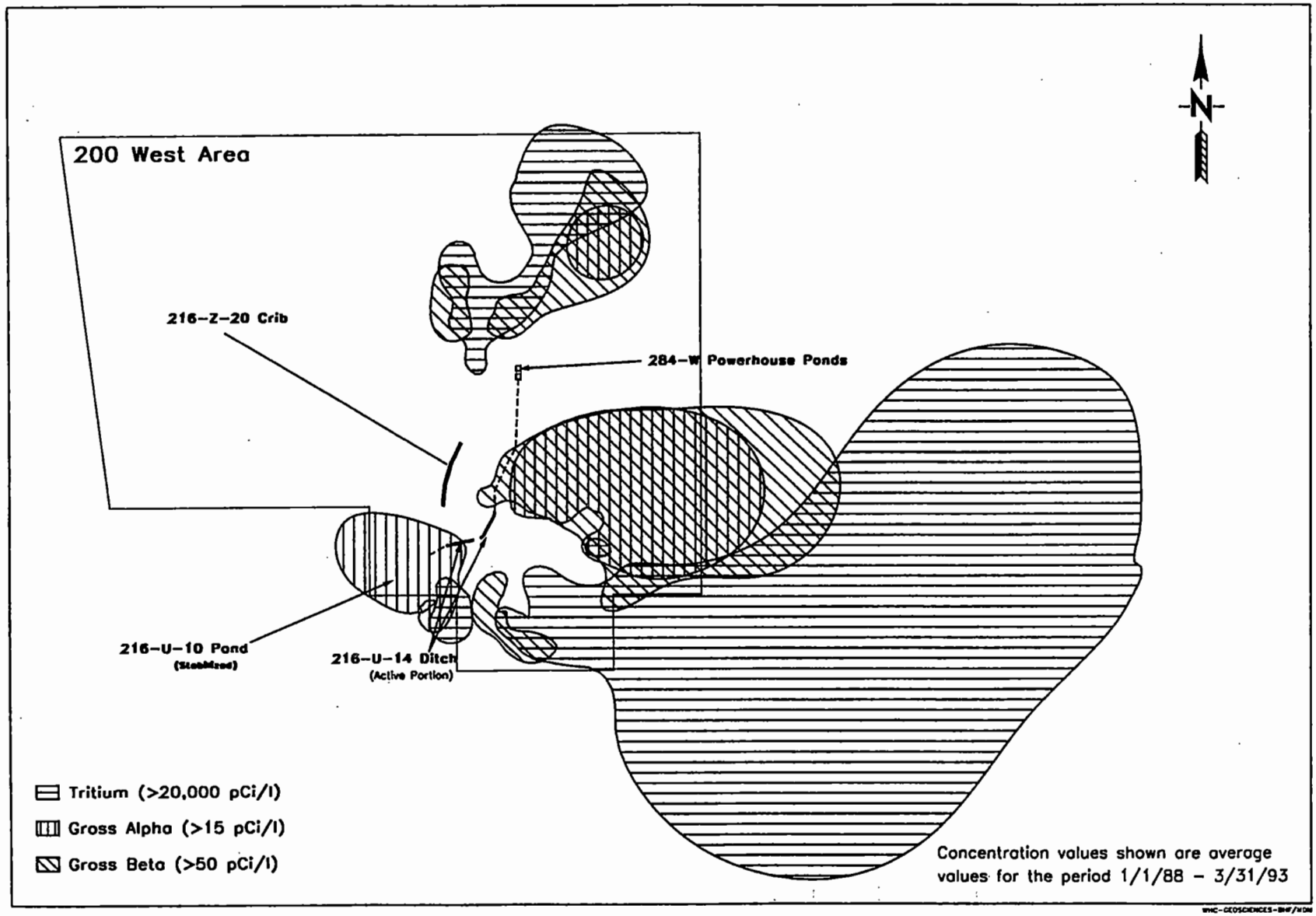


Figure 27. Areal Distribution of Radioactive Contaminant Indicators in the 200 West Area (Ford 1993).

contaminant in the groundwater. The GQC for gross beta contamination is 50 pCi/L. Provisional and sitewide background values have not been established for this contaminant in groundwater or sediments.

Data are not available at this time to evaluate the distribution of gross beta contamination in the sediment column.

The range of gross beta contamination in the perched water zone is between 10 and 413 pCi/L. Contaminant levels on the western end of the ditch are below the GQC and range between 18.9 and 33.6 pCi/L in wells 299-W18-250 and 299-W18-251. Contamination on the eastern end of the ditch are between 10 and 413 pCi/L (average concentration 61 pCi/L) and a downward trend in the concentration of gross beta is apparent (Figure 28). Samples collected during the last five rounds on the eastern end of the ditch indicate the range of contamination is between 10.1 and 65.1 pCi/L (average concentration 28.64 pCi/L). Well 299-W19-92 had the highest measurement and may be associated with the arrival of strontium-90 in the perched water zone.

Gross beta contamination detected in downgradient groundwater wells on the eastern end of the ditch ranges between 3.32 and 81.8 pCi/L (average concentration 14.7 pCi/L). The higher measurements (greater than 25 pCi/L) are samples collected before 1987 and indicate a downward trend in the level of gross beta contamination subsequent to that date (Figure 29). The concentrations are 10.3 and 12.5 pCi/L in downgradient wells 299-W23-16 and 299-W23-17 on the western end of the ditch.

Gross beta in well 299-W18-15 ranges between 4.8 and 68.2 pCi/L (average 22 pCi/L) from 1967 through 1993; the average measurements are slightly higher than measurements closer to the ditch. Well 299-W18-15 also shows a downward trend in contaminant levels (Figure 29) that corresponds with the decommissioning of U Pond. Well 299-W19-32 indicates an upgradient source of gross beta contamination as denoted by a measurement of 430 pCi/L from the July 1993 campaign. A plume map of gross beta contamination is shown in Figure 27.

The source of gross beta contamination in the groundwater are U Pond, an undetermined upgradient facility, and the 216-U-14 Ditch. Before 1987, U Pond and the 216-U-14 Ditch were major sources of the contaminant, but current trends indicate a decrease in the level of contamination. The major source of gross beta contamination near the ditch appears to be from an undetermined upgradient facility.

### 4.3.10 Iron

Between one and seven rounds of data are available to assess the concentration of iron in the perched water zone. One to ten rounds of data are available to assess the concentration of iron in the groundwater. The GQC is 300 ppb and the PGB value is 86 ppb. The provisional threshold background value is 39,160,000 ppb in sediments.

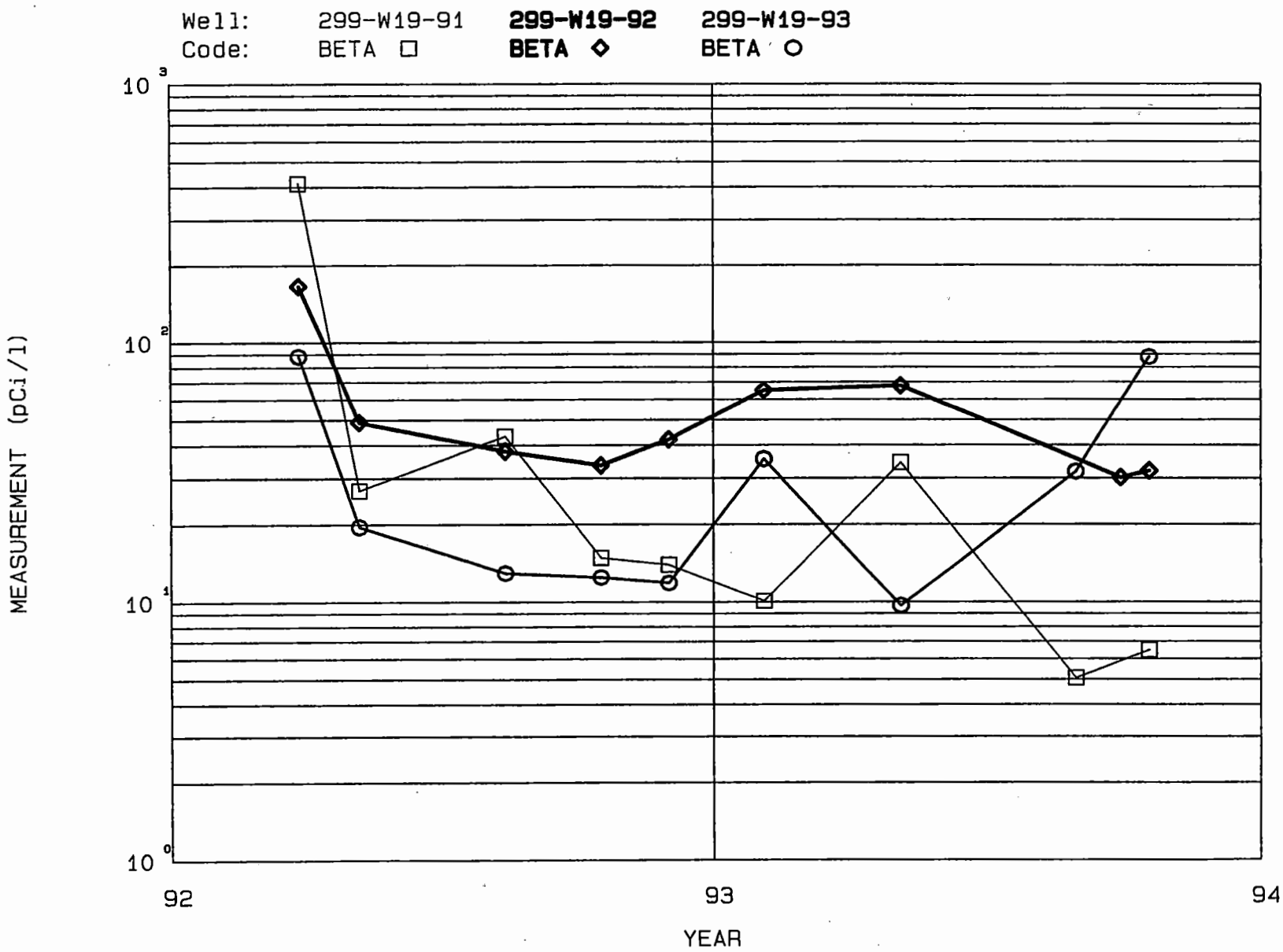


Figure 28. Gross Beta Contamination in the Perched Water Zone Versus Time in Wells 299-W19-91, 299-W19-92, and 299-W19-93.

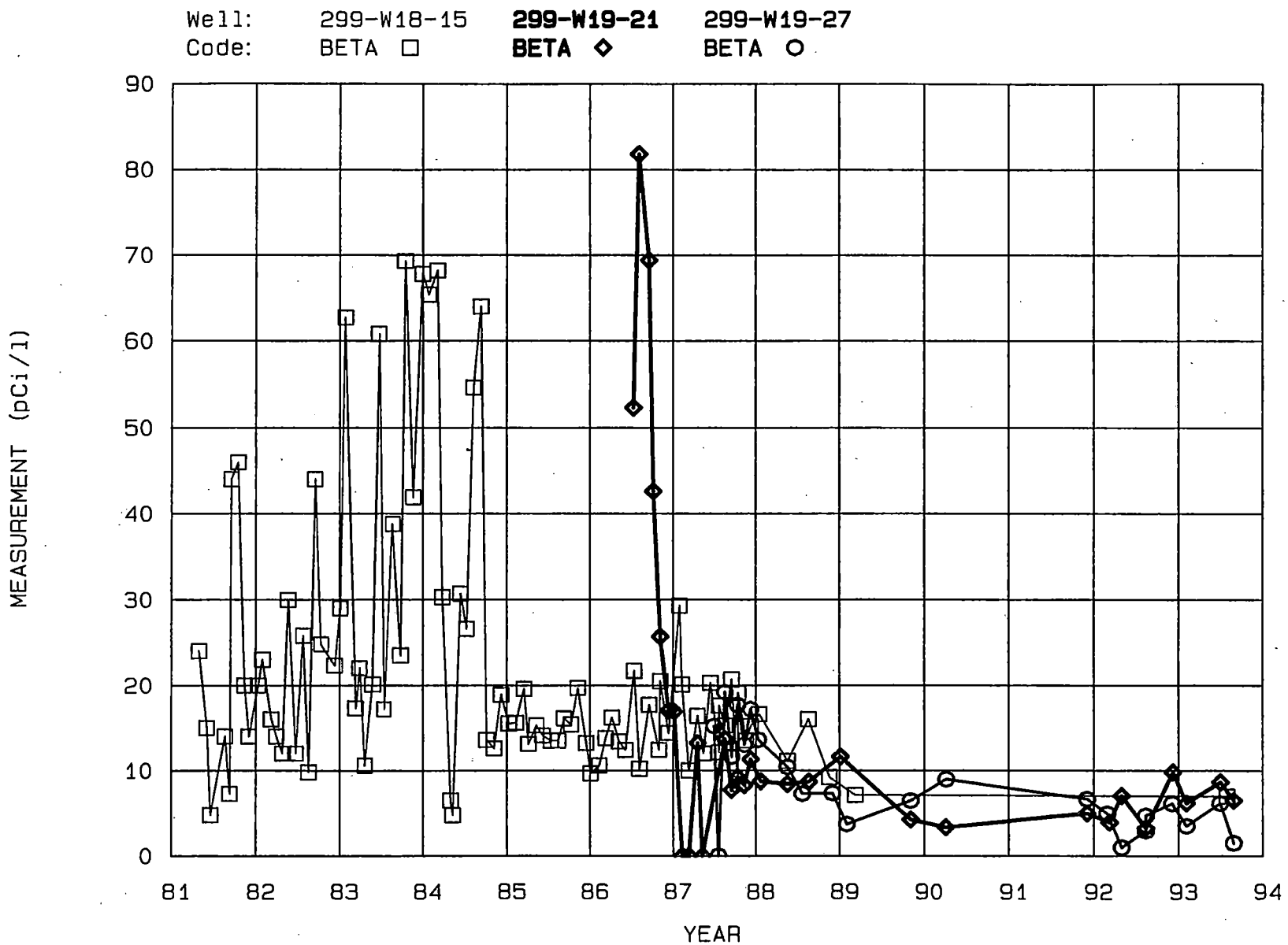


Figure 29. Gross Beta Contamination in the Groundwater Versus Time in Wells 299-W18-15, 299-W19-21, and 299-W19-27.

Monitoring well sediment samples indicate that iron is below sitewide background in the soil column. The concentration of iron in monitoring wells on the western end of the ditch ranges between 19,000,000 and 28,000,000 ppb. Data are not available to evaluate the distribution of iron in test pit sediment samples.

Iron was not detected in filtered samples collected from the perched water zone on the western end of the ditch. The concentration in unfiltered samples collected after development is 190 ppb. Unfiltered samples collected while drilling contained iron between 5,300 and 54,000 ppb, but are not representative because of extremely high turbidity.

Filtered samples were not available to assess the concentration of iron in the perched water zone of the eastern end of the ditch. The concentration of iron in unfiltered samples ranges between 5,200 and 630,000 ppb. After these wells were remediated (e.g., scrubbed, purged), results from the June-July 1993 sampling campaign indicate that the level of iron decreased. This suggests that iron is associated with casing effects.

Filtered samples from downgradient wells indicate that iron is below the GQC and PGB in the groundwater. Concentrations between 24 and 54 ppb were detected in filtered samples. The range in unfiltered samples is between 30 and 490 ppb. Upgradient wells display higher concentrations of iron than downgradient wells and were as high as 768 ppb in well 299-W19-1. The concentration of iron is between 20 and 230 ppb in well 299-W19-32. Iron was detected in one filtered sample from well 299-W18-15 at a concentration of 29 ppb.

Iron is not a contaminant of interest at the ditch because sediment and filtered perched water zone and groundwater samples are below background levels or the assessment criteria.

### 4.3.11 Manganese

Between one and seven rounds of data are available to assess the concentration of manganese in the perched water zone. One to ten rounds of data are available to assess the concentration of manganese in the groundwater. The provisional threshold background value is 612,000 in sediments. The GQC is 50 ppb in groundwater. The PGB standard is 24.5 ppb.

Monitoring well and test pit sediment samples indicate that manganese is below sitewide background in the soil column. The concentration of manganese in the sediment column from monitoring wells on the western end of the ditch ranges between 280,000 and 470,000 ppb. Sediment samples from test pits on the eastern end of the ditch are between 220,000 and 310,000 ppb.

The perched water zone beneath the western end of the ditch contains elevated concentrations of manganese above background, but the GQC is not exceeded. Manganese is as high as 44 and 500 ppb in filtered and unfiltered samples, respectively. The concentration of manganese in unfiltered samples from the eastern end of the ditch are between 70 and 15,000 ppb. Data are not available to determine the filtered concentration on the eastern end of the ditch.

Filtered samples from downgradient groundwater wells of the western end of the ditch indicate that manganese is slightly above the GQC in one out of two wells sampled. The concentration in well 299-W23-16 is 51 ppb and 13 ppb in well 299-W23-17. The concentrations observed in unfiltered samples are 63 ppb and 25 ppb in wells 299-W23-16 and 299-23-17, respectively. This contaminant is not detected in well 299-W18-15.

Manganese was not detected in filtered samples from downgradient wells on the eastern end of the ditch. The highest concentration detected is 9 ppb in an unfiltered sample. The concentration of manganese in filtered samples from upgradient wells are between 53 and 230 ppb. Unfiltered samples from upgradient wells contain concentrations between 280 and 1,300 ppb.

Manganese exceeds the assessment criteria by 1 ppb in the groundwater at well 299-W23-16. Manganese is associated with the ditch as reflected by the concentration above background in the perched water zone and the lack of an apparent upgradient source.

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### 4.3.12 Nitrate

Between one and seven rounds of data are available to assess the concentration of nitrate in the perched water zone. Nineteen rounds of data are available to assess the concentration of nitrate in the groundwater. The GQC and PGB is 10,000 and 12,400 ppb for nitrate, respectively. The sitewide threshold background value for nitrate is 199,000 ppb in the soil column.

Monitoring well and test pit sediment samples indicate that nitrate is below sitewide background in the soil column. The concentration of nitrate in sediment samples from monitoring wells on the western end of the ditch ranges between 200 and 7,000 ppb. Data are not available to evaluate the distribution of nitrate in test pit sediment samples.

The available data indicate that the concentration of nitrate in the perched water zone ranges between 200 and 1,900 ppb. Samples collected during June and July 1993 indicate that nitrate is between 300 and 700 ppb.

Significant concentrations of nitrate were detected in the groundwater in upgradient well 299-W19-1 between 1957 and 1963. The concentrations ranged between 360 and 210,000 ppb (average 20,000 ppb). Concentration between 2,400 and 5,500 ppb are seen in upgradient wells (299-W18-33, 299-W19-32) in 1993.

Concentrations observed in the groundwater in all downgradient wells at the ditch are less than 3,000 ppb and a downward trend in the concentration of nitrate is apparent (Figure 30). Nitrate ranged between 400 and 600 ppb in downgradient wells at the ditch during June and July 1993.

Nitrate does not exceed background levels or the GQC at the ditch.

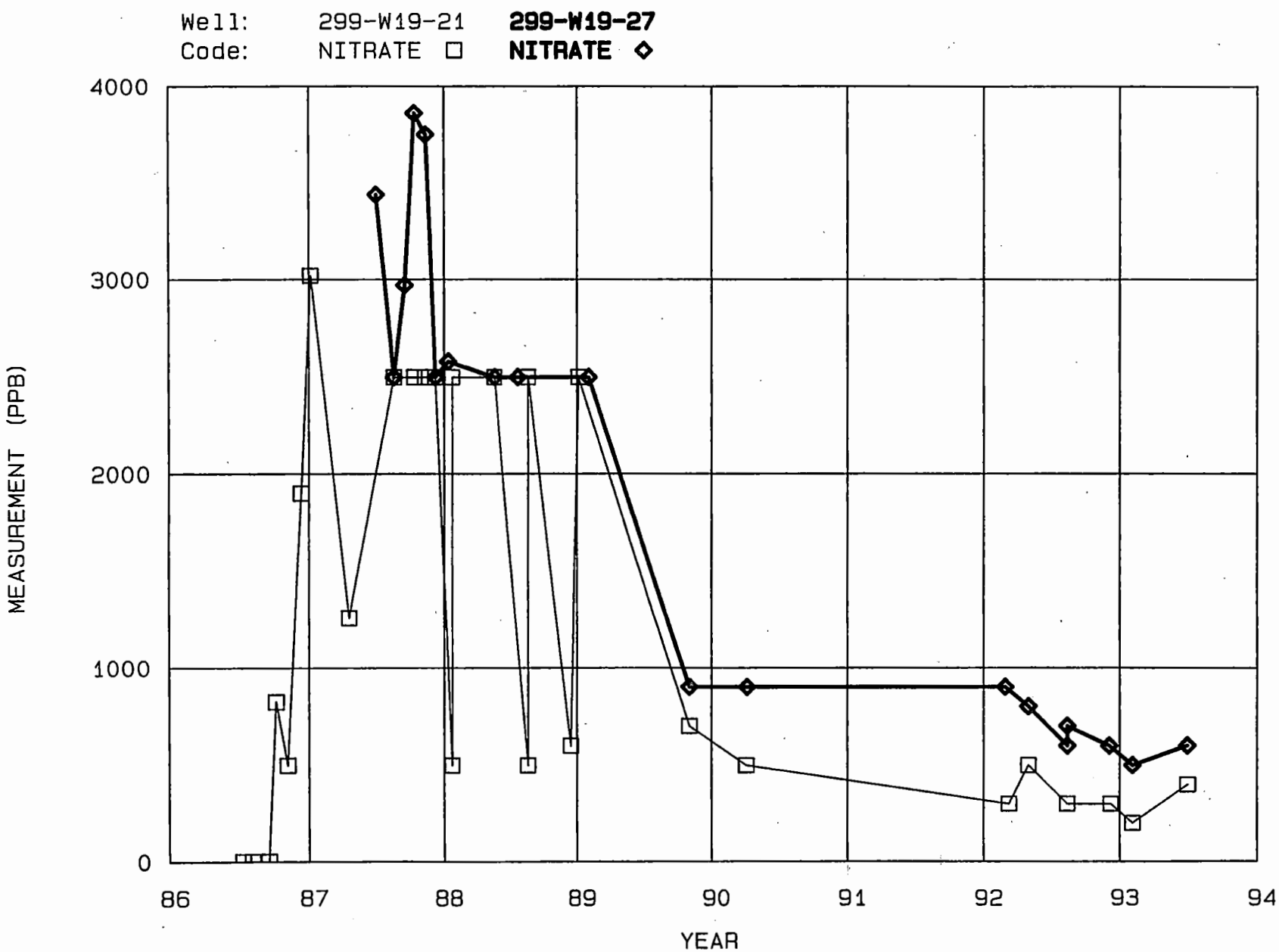


Figure 30. Nitrate Contamination in the Groundwater Versus Time in Wells 299-W19-21 and 299-W19-27.

### 4.3.13 Americium-241

Between one and three rounds of data are available to assess the presence of americium-241 in the perched water zone. Between one and four rounds of data are available to assess the concentration of americium-241 in the groundwater. The DCG for americium-241 is 1.2 pCi/L in groundwater. The provisional threshold background value sediment has not been determined.

Americium-241 was not detected in any sediment sample (e.g., recent well samples) collected adjacent to the ditch. The contaminant concentration ranges between 0.5 and 1.6 pCi/g in sediment samples collected from test pit excavation on the western end of the ditch. Sediment samples from the eastern end of the ditch range were as high as 1 pCi/g. Americium-241 was detected in the perched water zone during one round of sampling in 1993 at a concentration of 0.05 pCi/L in well 299-W18-251. Americium was not detected in downgradient groundwater monitoring wells.

Americium-241 has a limited distribution in the subsurface and appears to be associated only with sediment in the bottom of the ditch.

### 4.3.14 Cesium-137

Between one and three rounds of data are available to assess the concentration of cesium-137 in the perched water zone. Twenty-two rounds of data are available to assess the concentration of cesium-137 in the groundwater. The DCG for cesium-137 is 120 pCi/L in groundwater. The provisional threshold background value for this contaminant has not been determined for sediments and groundwater.

Cesium-137 ranges between 0.4 and 1,600 pCi/g in sediment samples collected on the western end of the ditch from test pit excavations. The major concentration of this contaminant is located within 0.3 m (1 ft) of the bottom of the ditch and is between 36 and 1,600 pCi/g. These data are comparable to data collected during the 1980's (see Figure 6), which show a similar range of cesium contamination (2.3 to 1,500 pCi/g) in the bottom of the ditch. Recent sampling indicates that contamination ranges between 0.12 and 10.4 pCi/g (average 1.6 pCi/g) greater than 0.3 m (1 ft) but less than 3 m (10 ft) below the surface on the western end of the ditch.

Only one data point is available to assess the distribution of cesium-137 from test pit samples on the eastern end of the ditch. A sample from ETP-1, 0 to 0.1 m (0 to 0.5 ft) indicates the level of cesium-137 is as high as 2,740 pCi/g.

Cesium-137 was not detected in sediment samples collected from perched and groundwater monitoring wells drilled at the 216-U-14 Ditch, nor was it detected in the perched water zone beneath the ditch.

Cesium-137 was not detected in the groundwater on the western end of the ditch except well 299-W18-15. Cesium-137 was detected at a maximum concentration of 35 pCi/L in 1983 at well 299-W18-15. Cesium-137 was also detected in the groundwater during one round of sampling in 1987 on the eastern end of the ditch at a level of 6.89 pCi/L.



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The extent of cesium-137 contamination suggests a limited distribution in the subsurface. Contamination is limited to within a few feet of the ditch bottom and has not been detected in the perched water zone. The concentration detected at the water table does not appear to be associated with the 216-U-14 Ditch.

### 4.3.15 Cobalt-60

Between one and five rounds of data are available to assess the concentration of cobalt-90 in the perched water zone. Nineteen rounds of data are available to assess the concentration of cobalt-60 in the groundwater. The groundwater DCG for cobalt-60 is 200 pCi/L. The provisional threshold background value for sediments has not been determined.

Cobalt-60 was detected in one sediment sample from test pits excavated on the western end of the ditch at a concentration of 2.3 pCi/g. However, these results do not agree with data from the 1980's that suggest cobalt-60 is widely distributed in the bottom of the ditch. Contaminant levels during the 1980's range between 1.6 and 290 pCi/g (average concentration 34 pCi/g (see Figure 5). The current lack of detectable cobalt-60 in the sediment column near the surface is an indicator of contaminant migration in the subsurface. Data are not available to determine contaminant levels on the eastern end of the ditch.

Cobalt-60 was detected in the perched water zone on the western end of the ditch at a concentration of 5.28 pCi/L. Cobalt-60 was not detected in the perched water zone on the eastern end of the ditch or in the downgradient groundwater. The concentration of cobalt-60 in wells 299-W15-18 and 299-W19-32 have been as high as 9.0 pCi/L; however, the contaminant was not detected in the last four rounds of sampling.

Historical sediment data indicate that substantial concentrations of cobalt-60 entered the ditch. The current lack of substantial concentration near the surface currently is an indicator that this contaminant is mobile. Detection of this contaminant in the perched water zone on the western end of the ditch confirms vertical migration; however, the concentration is less than the assessment criteria. Cobalt-60 was not detected in the downgradient groundwater.

### 4.3.16 Plutonium-238, -239, -240

One to two rounds of data are available to assess the concentration of plutonium in the perched water zone. Fourteen rounds of data are available to assess the concentration of plutonium in the groundwater. The DCG for plutonium-239 and -240 is 1.2 pCi/L in groundwater. Provisional background values have not been determined for these constituents.

Plutonium was not detected in sediment samples from wells recently drilled at the ditch. The concentration of plutonium detected in sediments from the bottom of the ditch on the western end range between 0.26 and 2.1 pCi/g. Data from the bottom of the ditch on the eastern end indicate that contaminant levels are as high as 10 pCi/g. Plutonium-239 and -240 were not

detected in the perched water zone. Plutonium-238 was only detected in the groundwater during one round of sampling in well 299-W19-21 at a concentration of 0.05 pCi/L in 1986. However, because 0.05 pCi/L is below the current detection limit of 0.1 pCi/L, it is assumed that the detected value is an error.

The extent of plutonium-239 and -240 contamination is limited to the sediment column above the perched water zone. Plutonium-238 and -240 is not detected at the perched water zone or water table.

### 4.3.17 Ruthenium-106

As many as four rounds of data are available to assess the concentration of ruthenium-106 in the perched water zone. As many as 20 rounds of data are available to assess the concentration of ruthenium-106 in the groundwater. The DCG is 240 pCi/L. A background standard has not been established for sediments and groundwater.

Data are not available to assess the distribution of this contaminant in sediments.

Ruthenium-106 has only been detected in the perched water zone at well 299-W19-92 on the eastern end of the ditch. The concentration in the perched water zone is 49.1 to 68.8 pCi/L.

Ruthenium-106 has not been detected in the downgradient groundwater since 1987. Before 1987 ruthenium was detected in only three rounds of sampling at a concentration between 53.6 and 72.8 pCi/L. Ruthenium-106 has not been detected in the upgradient well to the north. Concentrations in the groundwater at U Pond range to 68.3 pCi/L but has not been detected since 1988.

### 4.3.18 Strontium-90

Between one and three rounds of data are available to assess the concentration of strontium-90 in the perched water zone. As many as 19 rounds of data are available to assess the concentration of strontium-90 in the groundwater. The GQC for strontium-90 is 8 pCi/L and the DCG is 40 pCi/L in groundwater. The provisional threshold background value for this contaminant has not been determined for sediments and groundwater.

The available test pit data indicate that strontium-90 is between 0.47 and 6.6 pCi/g on the western end of the ditch and no greater than 1 pCi/g on the east end. Strontium-90 ranges between less than 0.1 and 5.7 pCi/g in well sediments collected and typically does not exceed 1 pCi/g. Two samples collected from monitoring wells exceed 1 pCi/g. In well 299-W18-251, 5.7 pCi/g was detected at a depth of 46 ft. In upgradient well 299-W18-33, 3.1 pCi/g was detected at a depth of 26 ft.

An increase in the level of strontium-90 was recently observed in the perched water zone. Strontium-90 was first detected in well 299-W19-92 at concentrations of 14.3 and 24.6 pCi/L in 1992 and early 1993, respectively.

These data alone suggest breakthrough to the perched water zone; however, adjacent perched wells at the time did not confirm arrival. During the June-July 1993 timeframe strontium-90 was detected at a concentration of 7,820 pCi/L in well 299-W19-91, 3.68 pCi/L in well 299-W19-92, and 1.68 pCi/L in well 299-W19-93. The value of 7,820 pCi/L is likely erroneous because the beta activity associated with strontium-90 is not closely correlative. Detection of this contaminant in well 299-W19-93 and possibly well 299-W19-91 confirms the arrival of strontium-90 in the perched water zone; however, current contaminant levels do not exceed the GQC. Strontium-90 was not detected in the perched water zone on the western end of the ditch. Strontium-90 was not detected at the water table.

Strontium-90 is elevated in the soil column to a depth of at least 17 m (57 ft). Data from the perched water zone on the eastern end of the ditch indicate that strontium-90 extends to the perched water zone, and exceeds the GQC in two out of the last three rounds of sampling. Strontium-90 was not detected in the groundwater.

### 4.3.19 Technetium-99

One round of data are available to assess the concentration of technetium-99 in the perched water zone. About five rounds of data are available to assess the concentration of technetium-99 in the groundwater. The DCG for technetium-99 is 4,000 pCi/L in groundwater. Provisional background values have not been determined for these constituents.

Technetium-99 was detected in one sample from the bottom of the ditch at a concentration of at least 12 pCi/g. Technetium-99 was not detected in the perched water zone beneath the ditch.

Technetium-99 was detected in the groundwater at a concentration of 3.37 pCi/L in well 299-W19-21. Higher concentrations of this contaminant ranging to 1,970 pCi/L were seen in upgradient wells (299-W19-1 and 299-W19-32).

Technetium-99 appears to have a very limited distribution in the vadose zone and contamination does not appear to extend to the perched water zone. An upgradient facility source is likely the major source of technetium in the groundwater near the ditch.

### 4.3.20 Tritium

One to eight rounds of data are available to assess the concentration of tritium in the perched water zone. Twenty-six rounds of data are available to assess the concentration of tritium in the groundwater. The GQC for tritium is 20,000 pCi/L in groundwater. Provisional background values have not been determined for these constituents.

Tritium was detected in the perched water zone at a concentration of 537 pCi/L on the eastern end of the ditch during a single round of sampling in 1986. Tritium was not detected in the perched water zone on the western end of the ditch.

Tritium has only been detected once in the groundwater at the ditch. In well 299-W19-27, tritium was detected at a concentration of 219 pCi/L in 1991. Upgradient concentrations in well 299-W19-32 are at least 1,550 pCi/L.

The primary source of tritium near the ditch appears to be from an upgradient facility. Tritium was detected in one round of sampling from the perched water zone, which suggest that the ditch may be a minor source.

### 4.3.21 Uranium-238

Between one and nine rounds of data are available to assess the concentration of uranium-238 in the perched water zone. Twenty-two rounds of data are available to assess the concentration of uranium-238 in the groundwater. The DCG for uranium in groundwater is 24 pCi/L. A background value has not been established for soils.

Samples collected from test pit excavations on the western end of the ditch indicate that uranium beneath the ditch ranges between 1.0 and 178 pCi/g[1] to a depth of 3 m (10 ft). The greatest levels are concentrated within 1.2 m (4 ft) of the ditch bottom and range between 24 and 178 pCi/g (average concentration to a depth of 1.2 m [4 ft] is 29 pCi/g). The concentration range below 1.2 m (4 ft) is between 1 and 7 pCi/g (average concentration is 3 pCi/g). A limited amount of data are available from the eastern end of the ditch. The data indicates the uranium-238 is as high as 94 pCi/g on the eastern end of the ditch.

Sediment samples collected from wells on the western end of the ditch indicate that uranium is typically less than 0.2 pCi/g. However, two samples collected in well 299-W23-16 at a depth of 15 and 61 m (50 and 200 ft) indicate that the concentrations of uranium are 115,830 and 66,990 pCi/g, respectively. Because these two samples were screened in the field with the Ludlum beta/gamma and alpha probe for total activity (a measurement of alpha, beta, and gamma activity) and significant activity (e.g., above background) was not detected, it is assumed that these measurements are erroneous. Borehole geophysical data also confirms that significant activity is not present.

Uranium-238 concentrations range between less than 1 and 42.6 pCi/L in the perched water zone at the ditch. The higher concentrations were detected in the perched water zone on the eastern end of the ditch and a decrease in the level of uranium-238 is seen over time (Figure 31). Only one well point (299-W18-251) is available to assess the distribution in the perched water zone on the western end of the ditch. The level of contamination in well 299-W18-251 is 14 pCi/L.

Uranium-238 in the groundwater ranges between 4.0 and 13.5 pCi/L in downgradient wells 299-W19-21 and 299-W19-27. Samples analyzed during the June-July 1993 sampling campaign indicate that the maximum concentration of

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[1]Values reported in the Groundwater Impact Assessment Plan are corrected in this report.

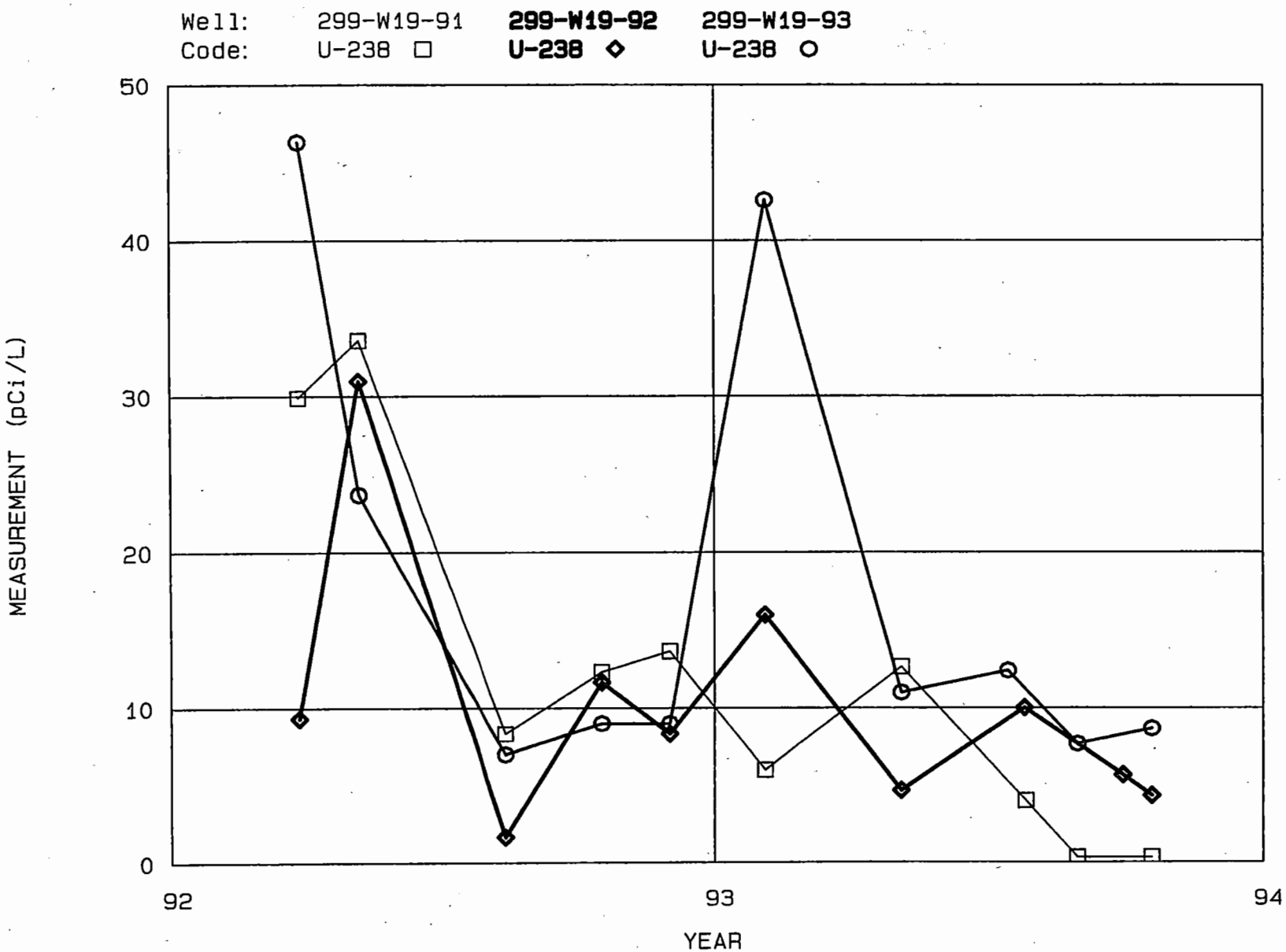


Figure 31. Uranium-238 Contamination in the Perched Water Zone Versus Time in Wells 299-W19-91, 299-W19-92, and 299-W19-93.

uranium-238 in the groundwater is 11.2 pCi/L and largely associated with the last stabilization run at $UO_3$/U Plant. Before the stabilization run, uranium-238 was approximately 6 pCi/L and contaminant levels were declining. A plot of uranium-238 concentrations indicate that contaminant levels are increasing over time (Figure 32), however, the GQC has not been exceeded. Uranium-238 in the groundwater on the western end of the ditch is 5 pCi/L. Greater concentrations of uranium-238 have been observed in well 299-W18-15 at U Pond. The maximum concentration at U Pond was 24.4 pCi/L in 1988 and a downward trend in the contaminant concentration to 15 pCi/L is evident.

The Ditch and U Pond are sources of uranium near the ditch.

A summary of primary and secondary Washington water quality contaminants, carcinogens and radioactive contaminants, and non-Washington water quality contaminants detected is provided in Tables 6, 7, and 8.

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## 4.4 SPECTRAL GAMMA RAY LOGGING

Wells in the network were logged with the gross gamma-ray system or radionuclide logging system (RLS). No manmade radionuclides were identified with the gross gamma-ray system above the detection threshold. The maximum activity detected with the RLS does not exceed 5 pCi/g. Cesium-137 was detected at a maximum activity of 4.5 pCi/g at a depth of 0.3 m (1 ft) in well 299-W18-15. In perched water monitoring wells adjacent to the ditch, the maximum activity is 1.2 pCi/g at a depth of 3.5 m (11.5 ft) in well 299-W19-91.

## 4.5 LOCAL INFLUENCES ON GROUNDWATER QUALITY

Because of the large chemical and radiological inventory and its location west of the Ditch, U Pond's influence on downgradient water quality is significant. Water quality at the ditch is also potentially affected by waste management facilities north of the site, based on the location of the current groundwater mound.

Groundwater data from well 299-W18-15 provides an indicator of groundwater contamination from U Pond. Contaminant data from this well indicate that gross alpha, gross beta, uranium, carbon tetrachloride, and arsenic are elevated. Because groundwater flow direction was to the east before 1985, it is reasonable to expect that contamination in the groundwater is in part due to influence from U Pond.

Based on the past and current location of the groundwater mound north of the ditch, upgradient contaminants such as carbon tetrachloride, manganese, nitrate, strontium-90, technetium-99, and gross beta may influence groundwater quality at the ditch. Of these contaminates only carbon tetrachloride is detected at elevated levels in the groundwater at the ditch. An internal letter (Barrington 1993) suggests that carbon tetrachloride may have been disposed of at the 216-U-14 Ditch. Because carbon tetrachloride was not detected in the perched water or soil samples, it is possible that the quantities disposed were small and substantial dilution and/or decomposition volatilization have occurred.

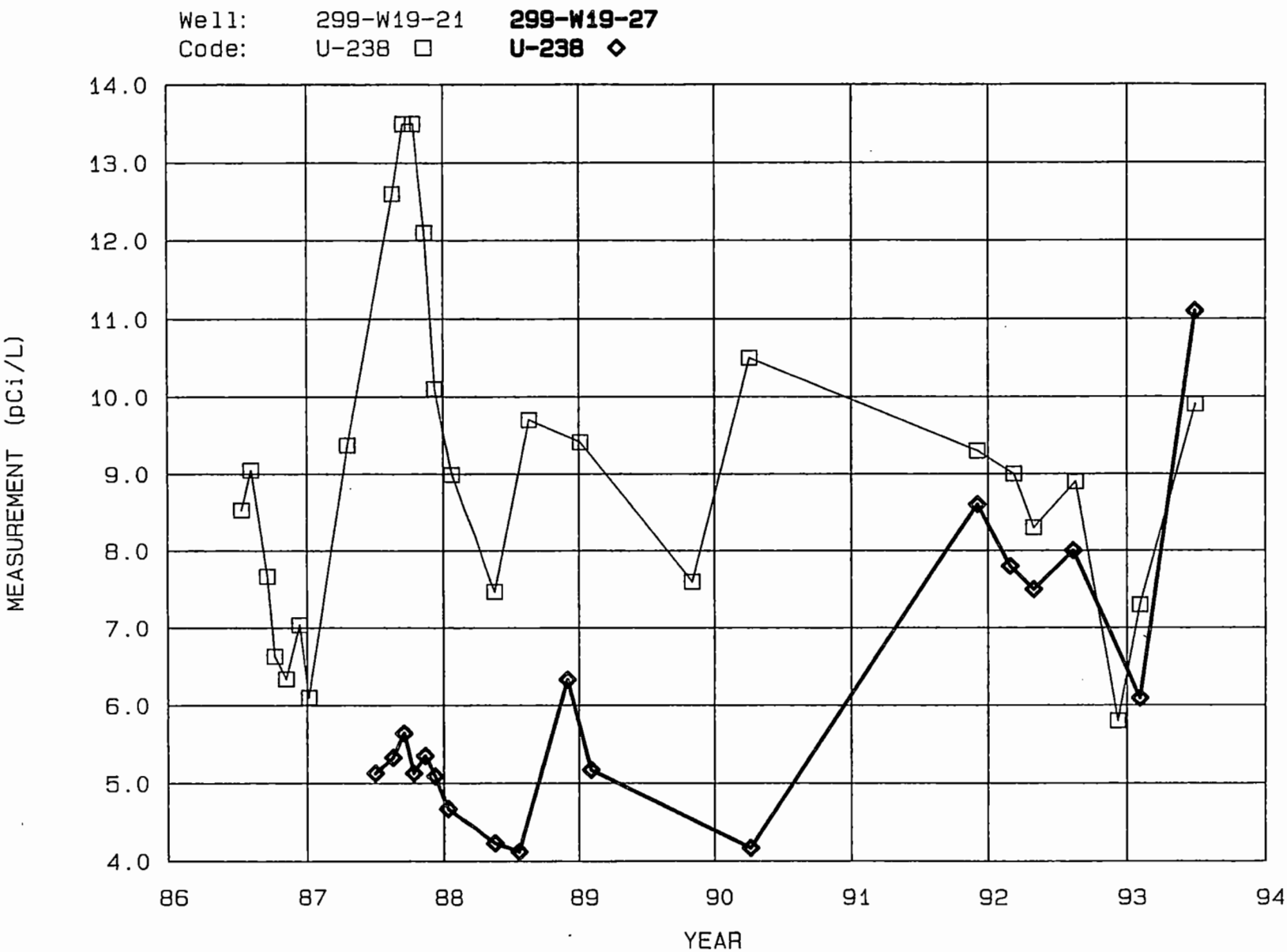



Figure 32. Uranium-238 Contamination in the Groundwater Versus Time in Wells 299-W19-21 and 299-W19-27.

Table 6. Summary of Primary and Secondary Washington Water Quality Contaminants Detected at U Pond and the 216-U-14 Ditch. (sheet 1 of 2)

| | Primary and secondary contaminants | Units | Well 299-W18-15 U Pond min-max. | 216-U-14 Ditch 1982-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Test pits | Barium | ppb | ND | ND | 86,000 | 171,000/NE |
| Well sediments | -- | -- | ND | ND | 110,000 | 171,000/NE |
| Perched water zone | -- | -- | ND | ND | 48 | 68.5/1,000 |
| Groundwater | -- | -- | 20-25 | 33/56[a] | 33/50[a] | 68.5/1,000 |
| Test Pits | Chloride | ppb | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | 41,000 | NE |
| Perched water zone | -- | -- | ND | 1,500 | 1,800 | NE/250,000 |
| Groundwater | -- | -- | 3,100-3,800 | 1,600/17,000[a] | 1,300/2,100[a] | NE/250,000 |
| Test Pits | Chromium | ppb | ND | ND | 8,800 | 28,000/NE |
| Well sediments | -- | -- | ND | ND | 17,500 | 28,000/NE |
| Perched water zone | -- | -- | ND | ND | UD | <30/50 |
| Groundwater | -- | -- | UD-7.6 | UD/34[a] | UD/30[a] | <30/50 |
| Test pits | Copper | ppb | ND | ND | 15,000 | 28,000/NE |
| Well sediments | -- | -- | ND | ND | 15,000 | 28,000/NE |
| Perched water zone | -- | -- | ND | UD | UD | <30/1,000 |
| Groundwater | -- | -- | UD-3.3 | UD | UD/2.7[a] | <30/1,000 |
| Test pits | Fluoride | ppb | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | 3,000 | NE |
| Perched water zone | -- | -- | ND | 200 | 900 | 1,340/4,000 |
| Groundwater | -- | -- | 300 | 400/800[a] | 600/700[a] | 1,340/4,000 |
| Test pits | Iron | ppb | ND | ND | ND | 3.9 E7/NE |
| Well sediments | -- | -- | ND | ND | 2.8 E7 | 3.0 E7/NE |
| Perched water zone | -- | -- | ND | ND | UD | 86-LOW/300 |
| Groundwater | -- | -- | UD-29 | 39/230[a] | 54/40[a] | 86-LOW/300 |
| Test pits | Lead | ppb | ND | ND | 3,600 | 14,800/NE |
| Well sediments | -- | -- | ND | ND | 5,700 | 14,800/NE |
| Perched water zone | -- | -- | ND | UD | UD | <5/50 |
| Groundwater | -- | -- | UD-5 | UD | UD | <5/50 |
| Test pits | Manganese | ppb | ND | ND | 330,000 | 612,000/NE |

Table 6. Summary of Primary and Secondary Washington Water Quality Contaminants Detected at U Pond and the 216-U-14 Ditch. (sheet 2 of 2)

| | Primary and secondary contaminants | Units | Well 299-W18-15 U Pond min-max. | 216-U-14 Ditch 1982-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Well sediments | -- | -- | ND | ND | 470,000 | 612,000/NE |
| Perched water zone | -- | -- | ND | ND | 44 | 24.5-LOW/50 |
| Groundwater | -- | -- | UD-10 | UD/53[a] | 51/210[a] | 24.5-LOW/50 |
| Test pits | Nitrate | ppb | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | 7,000 | NE |
| Perched water zone | -- | -- | ND | 1,400 | 1,900 | 1.2 E4/1.0 E4 |
| Groundwater | -- | -- | UD-27,600 | 3,440/7,000[a] | 600/18,000[a] | 1.2 E4/1.0 E4 |
| Test pits | Silver | ppb | ND | ND | 3,300 | 2,700/NE |
| Well sediments | -- | -- | ND | ND | UD | 2,700/NE |
| Perched water zone | -- | -- | ND | ND | UD | 10/50 |
| Groundwater | -- | -- | UD | 3 | UD | 10/50 |
| Test pits | Sulfate | ppb | ND | ND | ND | 1.3 E6/NE |
| Well sediments | -- | -- | ND | ND | 34,000 | 1.3 E6/NE |
| Perched water zone | -- | -- | ND | 15,000 | 14,000 | 90,500/250,000 |
| Groundwater | -- | -- | 12,500-16,000 | 13,200/28,000[a] | 11,000/28,000[a] | 90,500/250,000 |
| Test pits | Zinc | ppb | ND | ND | 46,000 | 79,000/NE |
| Well sediments | -- | -- | ND | ND | 54,000 | 79,000/NE |
| Perched water zone | -- | -- | ND | ND | ND | NE/5,000 |
| Groundwater | -- | -- | UD-28 | 46/11[a] | 60/12[a] | NE/5,000 |

[a]Upgradient concentration.
NA = Not applicable.
ND = No data available.
NE = A GQC, background, or DCG has not been established.
UD = Undetected.
Shading denotes the contaminant exceeds the background, GQC, DCG, or is potentially significant.

Table 7. Summary of Washington Water Quality Carcinogens and Radionuclides Detected at the 216-U-14 Ditch. (sheet 1 of 3)

| | Carcinogens | Units | Well 299-W18-15 U Pond min.-max. | 216-U-14 Ditch 1980-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Test pits | Aroclor-1254 | ppb | ND | ND | 7 | NE |
| Well sediments | -- | -- | ND | ND | UD | NE |
| Perched water zone | -- | -- | ND | ND | UD | NE/0.01 |
| Groundwater | -- | -- | UD | ND | UD | NE/0.01 |
| Test pits | Arsenic | ppb | ND | ND | 2,200 | 8,900/NE |
| Well sediments | -- | -- | ND | ND | 3,700 | 8,900/NE |
| Perched water zone | -- | -- | ND | ND | 22 | 10/0.05 |
| Groundwater | -- | -- | 10-12 | 14 | 14 | 10/0.05 |
| Test pits | Bis-(2-ethyl hexyl) phthalate | ppb | ND | ND | 97 | NE |
| Well sediments | -- | -- | ND | ND | UD | NE |
| Perched water zone | -- | -- | ND | UD | UD | NE/6 |
| Groundwater | -- | -- | UD | UD | UD | NE/6 |
| Test pits | Carbon tetrachloride | ppb | ND | ND | UD | NE |
| Well sediments | -- | -- | ND | UD | UD | NE |
| Perched water zone | -- | -- | ND | UD | UD | NE/0.3 |
| Groundwater | -- | -- | 89-140 | 17/8.2[d] | 9.2/14 | NE/0.3 |
| -- | Radionuclides | -- | -- | -- | -- | -- |
| Test pits | Americium-241 | pCi/g | ND | 100/1.6[a] | 1 | NE/NE |
| Well sediments | -- | -- | ND | ND | UD | NE/NE |
| Perched water zone | -- | -- | ND | UD | 0.05 | NE/10 |
| Groundwater | -- | -- | UD | UD/0.77[d] | UD | NE/10 |
| Test pits | Cobalt-60 | pCi/g | ND | 290/2.3[a] | 1 | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | UD | 5.28 | NE/200 |
| Groundwater | -- | -- | UN-9.2 | UD/5.93[d] | UD | NE/200 |
| Test pits | Cesium-137 | pCi/g | ND | 1,500/1,600[a] | 2,740 | NE |
| Well sediments | -- | -- | ND | ND | UD | NE |
| Perched water zone | -- | pCi/L | UD | UD | UD | 120 |

Table 7. Summary of Washington Water Quality Carcinogens and Radionuclides Detected at the 216-U-14 Ditch. (sheet 2 of 3)

| | Radionuclides | Units | Well 299-W18-15 U Pond min.-max. | 216-U-14 Ditch 1980-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Groundwater | -- | -- | UD-34 | UD | UD | 120 |
| Test pits | Gross alpha | pCi/g | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | 182[c] | 70.2 | 15 |
| Groundwater | -- | -- | 23-334 | 26.3/6.26[d] | 18.1/4.6[d] | 15 |
| Test pits | Gross beta | pCi/g | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | 413 | 67.8 | 50 |
| Groundwater | -- | -- | 6.5-68.2 | 81.8/127[d] | 17.7/430[d] | 50 |
| Test pits | Plutonium-238, -239, -240 | pCi/g | ND | 2.1 | 10 | NE |
| Well sediments | -- | -- | ND | ND | UD | NE |
| Perched water zone | -- | pCi/L | UD | UD | UD | 1.6-1.2/NE |
| Groundwater | -- | -- | UD | UD | UD | 1.6-1.2/NE |
| Test pits | Ruthenium-106 | pCi/g | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | 49.1 | 68.8 | 240 |
| Groundwater | -- | -- | UD-68.3 | 72.8/47.1[d] | UD | 240 |
| Test pits | Strontium-90 | pCi/g | ND | 6.6 | 1 | NE |
| Well sediments | -- | -- | ND | ND | 0.97 | NE |
| Perched water zone | -- | pCi/L | ND | 14.3 | 24.6[c] | 8 |
| Groundwater | -- | -- | 0.10-0.60 | UD | UD | 8 |
| Test pits | Technetium-99 | pCi/g | ND | ND | 12 | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | UD | UD | 4,000 |
| Groundwater | -- | -- | UD | 3.73/521[d] | UD/1,970[d] | 4,000 |
| Test pits | Tritium | NA | NA | NA | NA | NA |
| Well sediments | -- | NA | NA | NA | NA | NA |
| Perched water zone | -- | pCi/L | ND | 537 | UD | 20,000 |
| Groundwater | -- | -- | 42-3,200 | 219/1,550[c,d] | UD/582[d] | 20,000 |

Table 7. Summary of Washington Water Quality Carcinogens and Radionuclides Detected at the 216-U-14 Ditch. (sheet 3 of 3)

| | Radionuclides | Units | Well 299-W18-15 U Pond min.-max. | 216-U-14 Ditch 1980-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Test pits | Uranium-234 | ND | ND | ND | ND | NE |
| Well sediments | -- | ND | ND | ND | ND | NE |
| Perched water zone | -- | pCi/L | ND | ND | 14.2 | 20 |
| Groundwater | -- | -- | 15.5-23.5 | 8.65 | 10.5 | 20 |
| Test pits | Uranium-238 | pCi/g | ND | 178 | 94 | NE |
| Well sediments | -- | -- | ND | ND | <1 | NE |
| Perched water zone | -- | pCi/L | ND | ND | 42.2 | 24 |
| Groundwater | -- | -- | 15.8-24.5 | 13.5 | 11/3.6[a] | 24 |

[a]Greater concentrations of the contaminant were reported before 1980. Much of the contaminant burden was removed by dredging before 1980. The two values reported are 1982 and 1992 data, respectively.
[b]Outliers removed.
[c]A data point from 1966 indicate that tritium was as high as 6,800 pCi/L.
[d]Upgradient concentration.
NA = Not applicable.
ND = No data available.
NE = A GQC, background, or DCG has not been established.
UD = Undetected.
Shading denotes that contaminant exceeds the background, GQC, DCG, or is potentially significant.

Table 8. Summary of Non-Washington Water Quality Contaminants Detected at U Pond and the 216-U-14 Ditch.

| | Non-Washington water quality contaminants | Units | Well 299-W18-15 U Pond min.-max. | 216-U-14 Ditch 1982-1992 max. | 216-U-14 Ditch 1993 max. | Background/ assessment criteria |
|---|---|---|---|---|---|---|
| Test pits | 2,6, Bis(1, 1-dimethylethyl) -4-methyl phen | -- | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | ND | NE |
| Perched water zone | -- | -- | ND | ND | ND | NE |
| Groundwater | -- | -- | ND | 20 | ND | NE |
| Test pits | Acetone | ppb | ND | ND | 12 | NE |
| Well sediments | -- | -- | ND | ND | 16 | NE |
| Perched water zone | -- | -- | ND | UD | UD | NE |
| Groundwater | -- | -- | UD | UD | UD | NE |
| Test pits | Nickel | ppb | ND | ND | 11,000 | 25,000/NE |
| Well sediments | -- | -- | ND | ND | 69,000 | 25,000/NE |
| Perched water zone | -- | -- | ND | ND | UD | NE |
| Groundwater | -- | -- | UD | UD | UD | NE |
| Test pits | Methyl ethyl ketone | ppb | ND | ND | UD | NE |
| Sediments | -- | -- | ND | ND | 47 | NE |
| Perched water zone | -- | -- | ND | UD | UD | NE |
| Groundwater | -- | -- | UD | UD | UD | NE |
| Test pits | Pyridine | ppb | ND | ND | ND | NE |
| Well sediments | -- | -- | ND | ND | 210 | NE |
| Perched water zone | -- | -- | ND | ND | ND | NE |
| Groundwater | -- | -- | ND | ND | ND | NE |
| Test pits | Tetrahydrofuran | ppb | ND | ND | UD | NE |
| Sediments | -- | -- | ND | ND | 25 | NE |
| Perched water zone | -- | -- | ND | UD | UD | NE |
| Groundwater | -- | -- | UD | UD | UD | NE |
| Test pits | Vanadium | ppb | ND | ND | 68,000 | 111,000/NE |
| Well sediments | -- | -- | ND | ND | 69,000 | 111,000/NE |
| Perched water zone | -- | -- | ND | ND | 37 | 15/NE |
| Groundwater | -- | -- | 21 | 40 | 35 | 15/NE |

NA = Not applicable.
ND = No data available.
NE = A GQC, background, or DCG has not been established.
UD = Undetected.
Shading denotes that contaminant exceeds the background, GQC, DCG, or is potentially significant.

The localized influence of discharge on groundwater quality can also be seen in the distribution of specific conductivity (Figure 33). The areal distribution shows the dilution effect of wastewater from discharge on the local groundwater (e.g., cooling water from the ditch has an average specific conductivity of 127 microsiemens per centimeter [uS/cm] as compared to 150 to 300 uS/cm for the groundwater). Higher measurements (380 uS/cm) of specific conductivity are observed in upgradient well 299-W19-32 north of the site.

## 4.6 RESPONSE OF URANIUM-238 AND GROSS ALPHA CONTAMINATION TO EFFLUENT DISCHARGE AT THE WATER TABLE

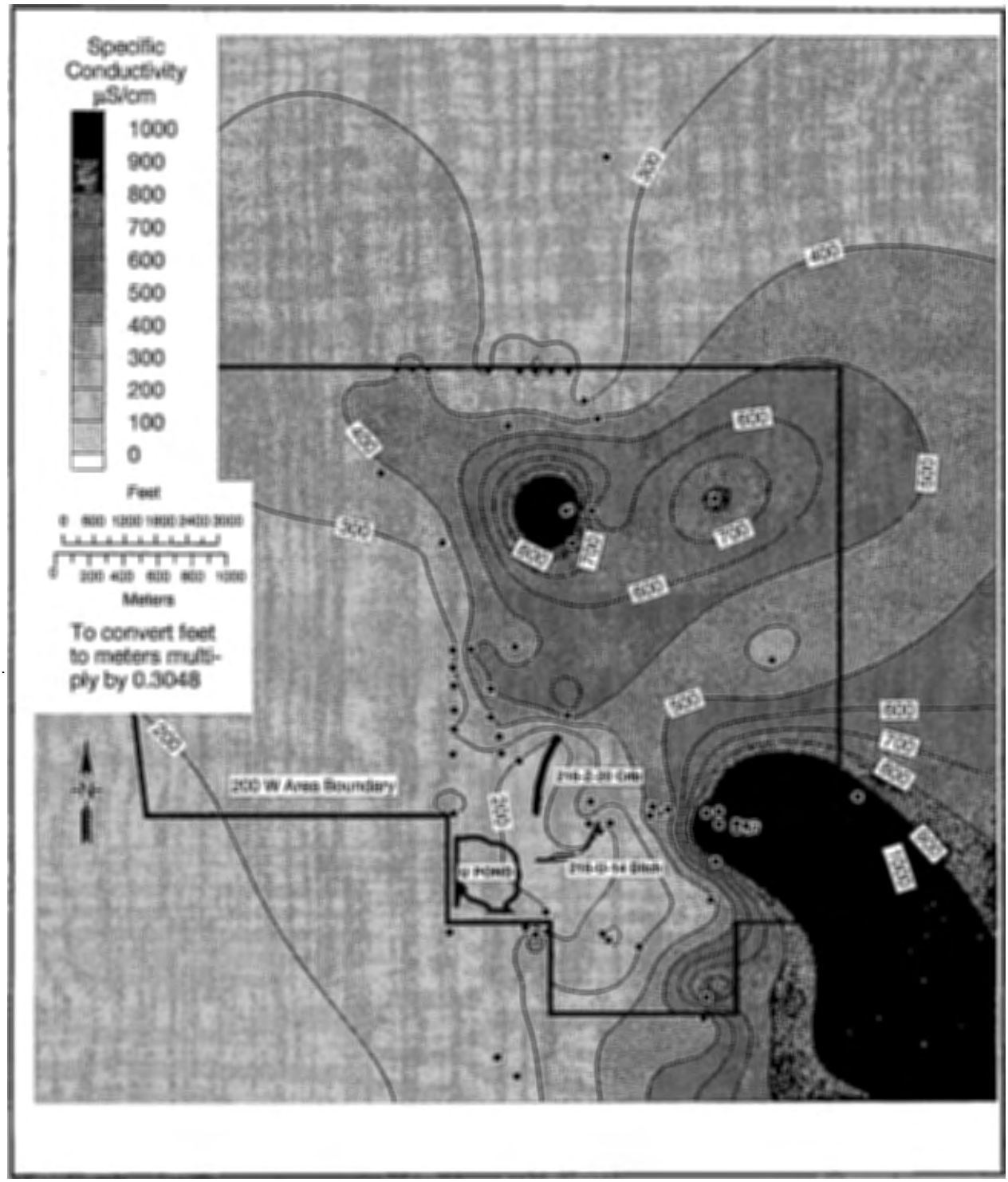
Hydrologic response to effluent discharge was described in Section 4.2. A similar relationship is observed at the water table by comparison of discharge data and the concentration of uranium-238 and gross alpha contamination at the water table (Figure 34). Figure 34 indicates that peak periods of discharge correspond to increased uranium-238 and gross alpha contamination at the water table. Discharge greater than 568 L/minute (150 gal/minute) generally reflects an increase in uranium-238 and gross alpha concentrations. Conversely, a decrease in the levels of contamination are observed at discharge rates less than 568 L/minute (150 gal/minute). With current levels of discharge about 378 L/minute (100 gal/minute), a downward trend in the level of contamination is expected in the future, provided discharge is not greater than 568 L/minute (150 gal/minute). With discharge greater than 568 L/minute (150 gal/minute) (the current Tri-Party Agreement discharge limited is 757 L/minute [200 gal/minute] until termination in 1994) exceedence of the GQC is only expected for gross alpha contamination. Furthermore, the correlation between discharge and concentration changes at the water table are sharp. The relationship between discharge and rapid change in contaminant concentration suggests there is a significant hydrologic and contaminant pathway between sediments above the early Palouse/Plio-Pleistocene unit and the underlaying groundwater. The higher concentrations seen in well 299-W19-21 also indicate that most of the contamination migrates vertically down through the sediment column at the westernmost end of the eastern end of the ditch.

## 4.7 SOIL COLUMN CHEMICAL FACTORS

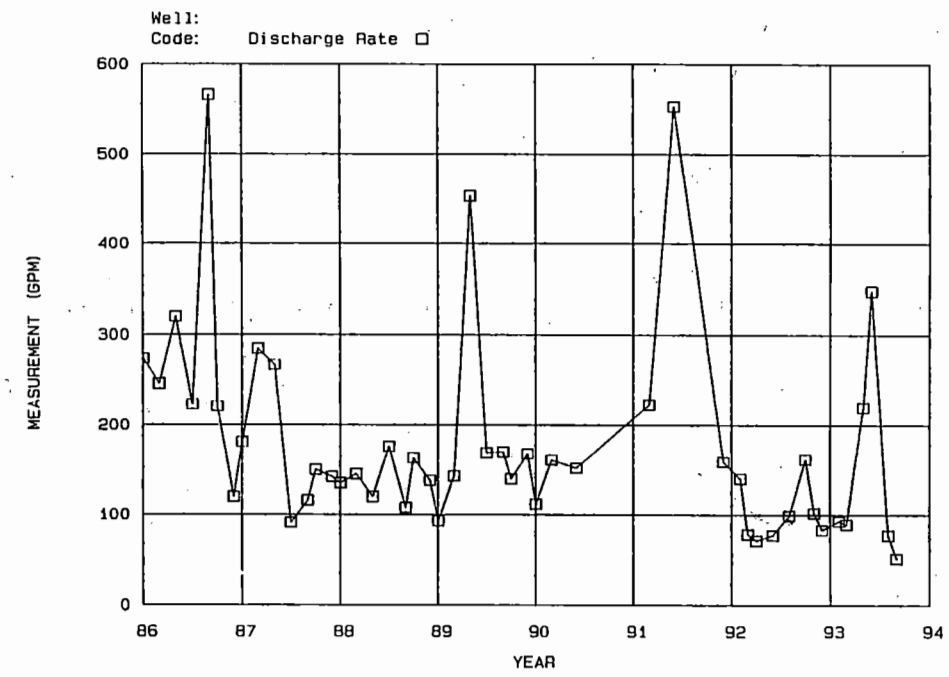
### 4.7.1 Calcium Carbonate

Calcium carbonate ranges between about 1 to 9.6 percent in the vadose zone with the greatest concentrations occurring within the Plio-Pleistocene unit. The distribution of calcium carbonate in the vadose is significant because it is a natural buffer to the groundwater system and can influence contaminant mobility. Buffers neutralize hydrogen ions in the percolating groundwater as well as wastewater and maintain a slightly alkaline pH in the subsurface. The buffering capacity of sediments is significant at the ditch because of documented releases of acid.

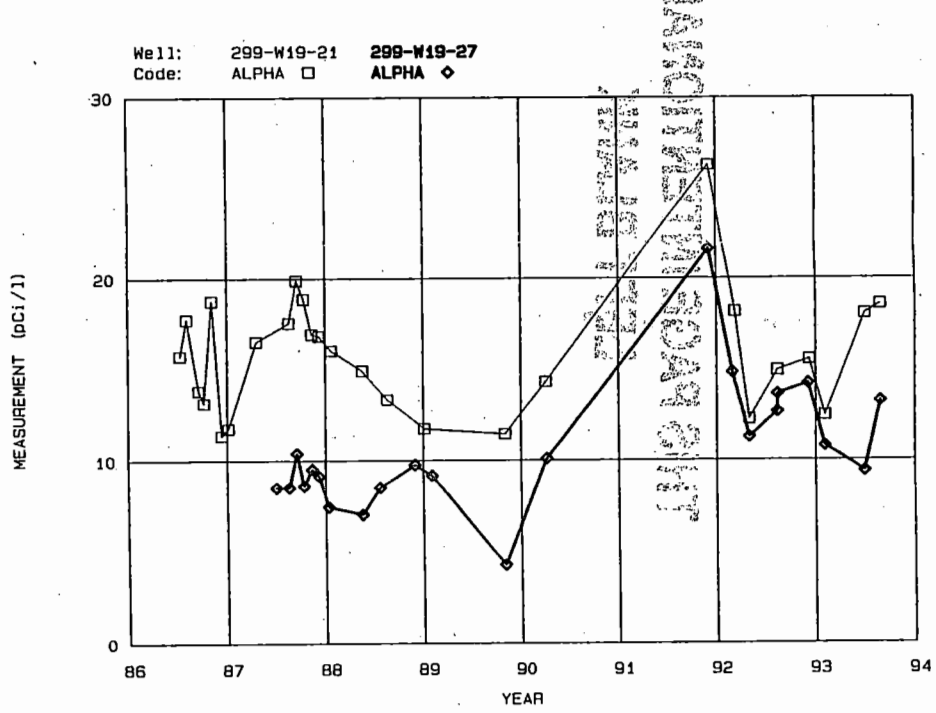
Figure 33. Specific Conductivity of Groundwater in the 200 West Area.



Discharge to the Ditch.




Gross Alpha Contamination in the Groundwater.




Uranium-238 Contamination in the Groundwater.

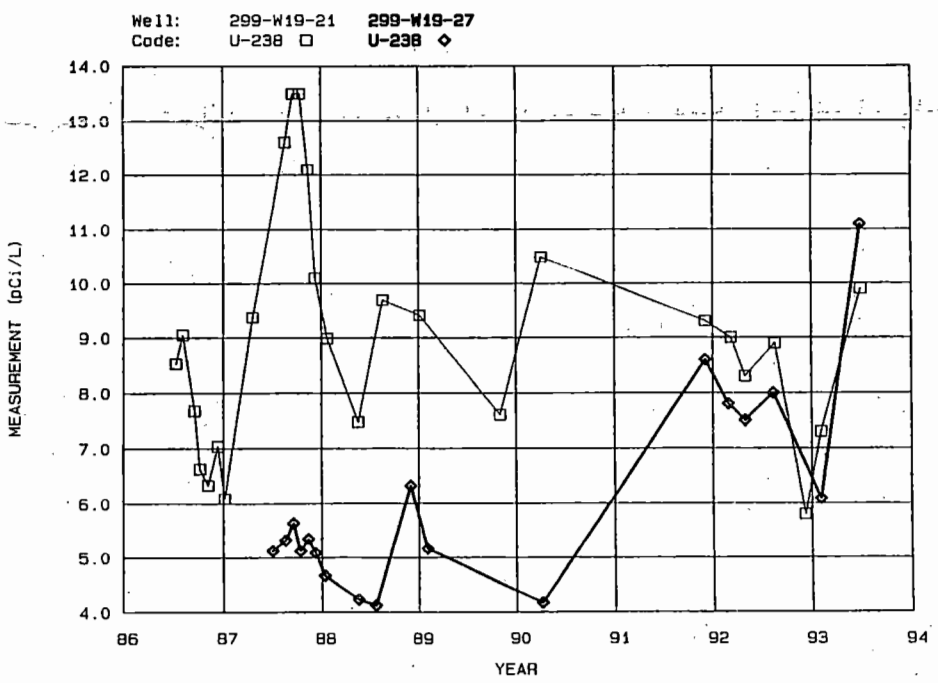



Figure 34. Comparison of Effluent Discharge and Changes in Uranium-238 and Gross Alpha Contamination at the Water Table.

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### 4.7.2 Detergents

A soil of basic pH is conducive to retention of many metals and radionuclides. However, early studies (Knoll 1957) showed a marked reduction in radionuclides sorption by Hanford Site soil in the presence of laundry (see discussion of laundry effluent, Chapter 2) detergents and related decontamination chemicals. For example, 0.1 weight percent solutions of various detergents reduced distribution coefficients ($K_d$ values) significantly for cesium-137, strontium-90, and plutonium-239. Apparently, detergents either form a complex with radionuclides or block the sorption sites on the soil and may enhance contaminant mobility.

## 4.8 SUMMARY AND CONCEPTUAL MODEL

This section summarizes the preceding chapters and describes the conceptual model of past and present hydrologic and contaminant impacts at the 216-U-14 Ditch. A schematic of the conceptual model is shown in Figure 35.

- Since 1985, the 216-U-14 Ditch received 42% (average discharge equal 160 gpm) of the discharge to the sediment column in the 200 West Area. Before 1985 the infiltration rate into the sediment column beneath the ditch is unknown.

- The chemical and radiological waste stream inventory is not complete.

- Wastewater moves vertically downward in the sediment column and spreads laterally within the lower unit of the Hanford formation and on top of the Plio-Pleistocene unit.

- A vertically extensive perched water zone (i.e., 17 m [56 ft] thick) has developed beneath the eastern end of the ditch. The thickness of the perched water zone varies and is associated with the quantity of effluent discharged. The thickness of the perched water zone decreases shortly after discharge of less than 150 gpm (average) and may be indicative of a preferential pathway (e.g., clastic dikes, faulty well seal) to the underlying groundwater. The extent of perching appears to be limited to the vicinity of the ditch.

- The water table is approximately 64 m (210 ft) below ground surface. Correlation between discharge and changes in water table elevation as well as discharge and gross alpha/uranium contamination is indicative of the presence of a preferential pathway to the underlying groundwater.

- Subsurface contaminants attributed to the 216-U-14 Ditch are americium-241, arsenic, aroclor-1254, bis-(2-ethylhoxyl) phthalate, cesium-137, cobalt-60, gross alpha and gross beta, manganese, plutonium, strontium-90, technetium-99, and uranium-238. Arsenic, cobalt-60, gross alpha and gross beta, manganese, strontium-90, and uranium-238 contamination extends to the perched water zone. Only arsenic, carbon tetrachloride, manganese, and uranium-238 were

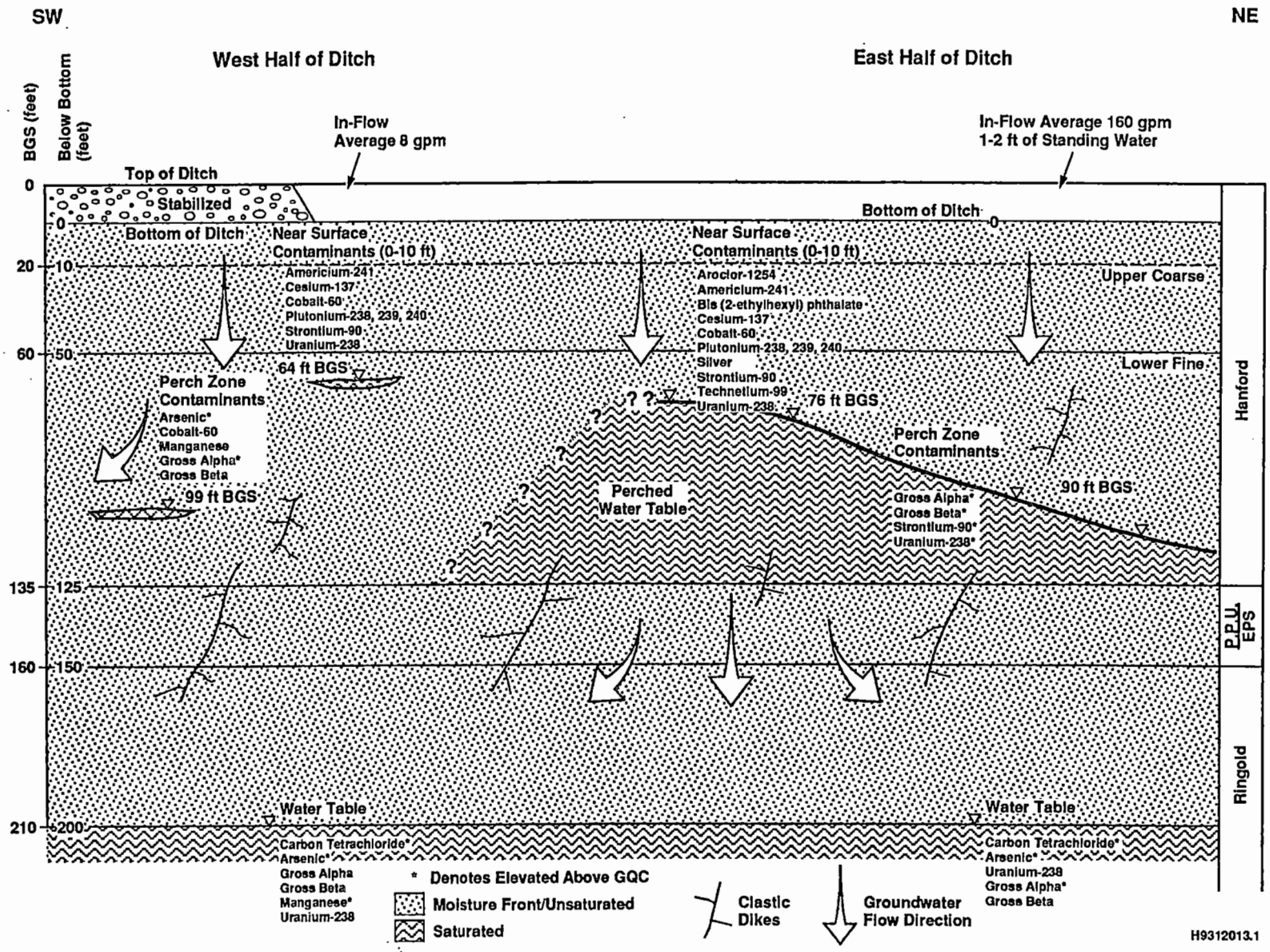


Figure 35. Schematic Illustration of Contaminant and Wastewater Transport Beneath the 216-U-14 Ditch.

detected in the groundwater. Of the groundwater contaminants, arsenic, manganese, and uranium-238 are due to operation at the ditch and only arsenic and manganese exceeds the GQC. Carbon tetrachloride is not attributed to the 216-U-14 Ditch, but rather to past practice activities at Z Plant.

- Calcium carbonate concentrations within the background range for local sediments were detected, or are assumed to be present beneath the ditch because of the slightly basic pH in the subsurface. Due to detection of several radionuclides in the perched water zone and/or groundwater, additional factors may influence contaminant mobility. Detergents in noncontemporary (e.g., laundry effluent) waste streams may enhance radionuclide mobility.

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# 5.0 IMPACT ASSESSMENT

Evaluation of impacts from continued use of the 216-U-14 Ditch must consider hydrologic impacts and transport of contaminants. Hydrologic factors relevant to the current status of 216-U-14 Ditch are discussed first, followed by contaminant transport analysis.

## 5.1 HYDROLOGIC IMPACTS

The two principal hydrologic impacts attributed to effluent discharge at the 216-U-14 Ditch are development of perched water zones and maintenance of the 200 West Area groundwater mound. A vertically extensive ephemeral perched water zone has developed beneath the eastern end of the ditch. This perched water zone dissipates shortly after periods of peak discharge. Average discharge over a calendar month greater than 1,363 L/minute (360 gal/minute) results in a measured rise of 30 to 45 ft in thickness of the perched water zone. Perched water elevations typically decline when discharge is less than 378 to 568 L/minute (100 to 150 gal/minute). Water level measurements indicate that the wastewater percolates downward through the sediment column beneath the western most end of the $UO_3$/U Plant end of the ditch and flows away from the perched water mound created. The perched water zone beneath the western end of the ditch is limited to several saturated horizons 0.9 to 2 m (3 to 7 ft) thick that are controlled by interbedded finer grained sediments within the lower Hanford unit.

Development of the groundwater mound in the 200 West Area is in part due to 1.62E+11 L (4.28E+10 gal) of effluent discharged to U Pond between 1944 and 1984. After U Pond was decommissioned in 1984, the 216-U-14 Ditch and 216-Z-20 Ditch received approximately 42 and 28%, respectively, of the 4.16E+9 L (1.10E+9 gal) of effluent discharge to the sediment column in the 200 West Area between 1985 and 1993. The remaining 30% of the wastewater was discharged to the 216-S-10, 216-S-26, 216-U-12, 216-U-16, 216-U-17, 216-LWC Cribs and the 284-WB Powerhouse Pond. The net effects of decommissioning U Pond and discharging into the 216-U-14 Ditch, 216-Z-20 Crib and other minor facilities, are maintenance and migration of the declining groundwater mound toward these remaining primary sources of discharge.

Correlation between observed changes in water table elevation and discharge suggest that the aquifer responds immediately to influx into the ditch. A rise in water table elevation of at least 0.5 m (1.5 ft) at an average discharge rate of 1,363 L/minute (360 gal/minute) was observed during the 1993 stabilization run. The rise in water table elevation is indicative of a preferential flow path to the groundwater through the Plio-Pleistocene unit. With current Tri-Party Agreement limits of 756 L/minute (250 gal/minute) and actual discharge of 378 L/minute (100 gal/minute) since the end of the 216-U-14 Ditch stabilization run, the mound should shift toward the major sources of discharge in the 200 West Area and drainage should overshadow the influence of discharge at the ditch. Furthermore, as the water table falls, the distance for downward migrating contaminants in the sediment column is increased; so downward travel times for contaminants may also increase.

## 5.2 CONTAMINANT IMPACTS

Contaminant impacts from the 216-U-14 Ditch are based on (1) model predictions of transport in the vadose zone of radionuclides and Washington water quality contaminants that are elevated and (2) comparison of observed contaminant concentrations in the soil column, perched water zone, and groundwater with the GQC, DCG or background standard as applicable. Modeling of contaminant transport was attempted using one and two-dimensional models: the unit gradient model and PORFLO-3. PORFLO-3 results are reported in Appendix J. The unit gradient transport analysis provides results to assess impact from continued use of the site.

### 5.2.1 Analytical Technique

The one-dimensional unit gradient method described in the *Liquid Effluent Study Final Project Report* (WHC 1990a) estimates the rate of moisture and contaminant movement through the soil column beneath the 216-U-14 Ditch. The method considers flow only in the vertical direction and does not account for lateral spreading. Thus, calculated contaminant migration rates are considered more conservative (faster) than actual contaminant migration rates.

The method used is based on steady-state flow conditions in the unsaturated zone and assumes a unit hydraulic gradient. The basic equation for any layer of sediments is

$$t = L \times \theta / q \qquad (1)$$

where:

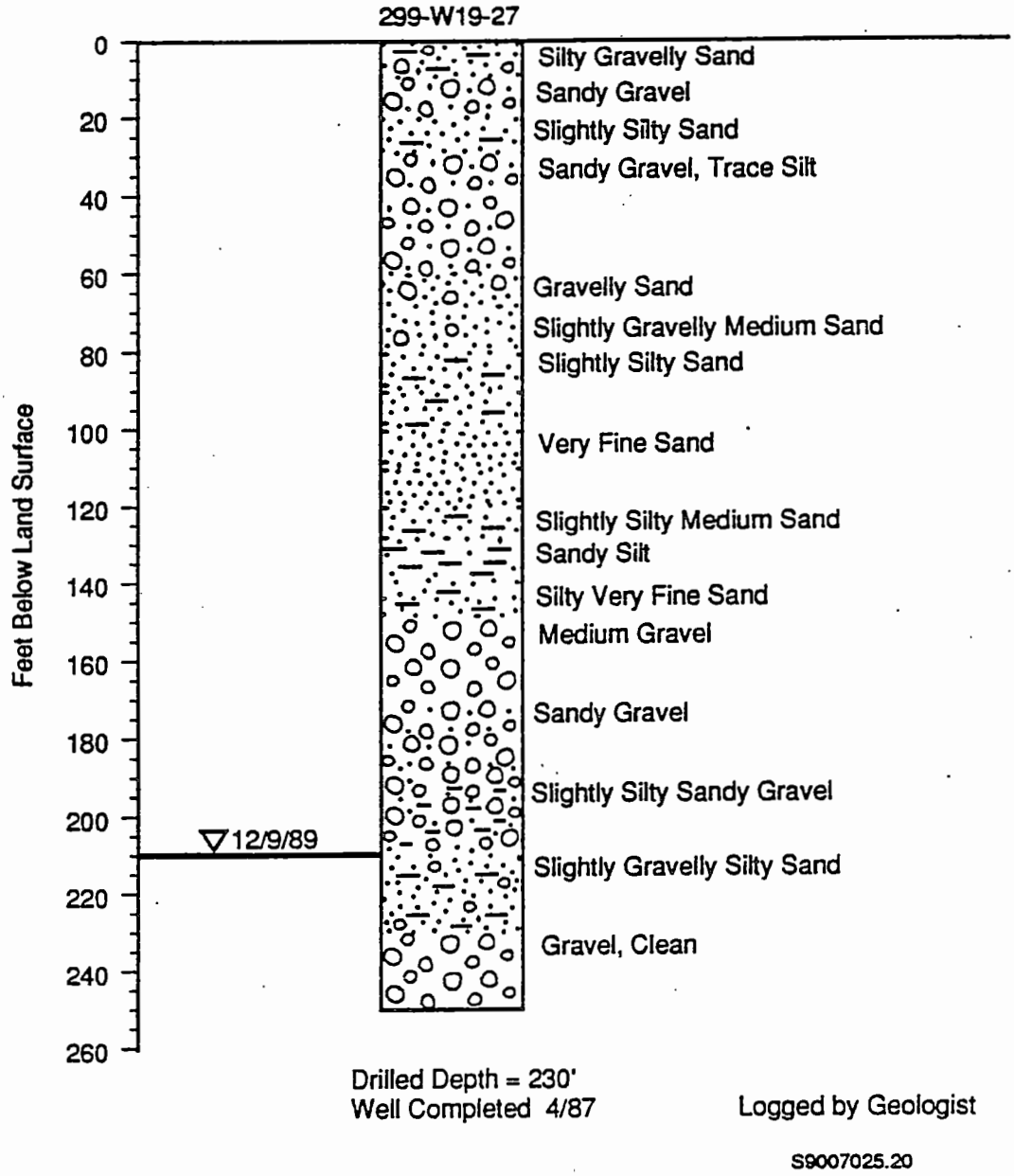
- $t$ = time of travel through layer, years
- $L$ = thickness of layer, meters
- $\theta$ = moisture content of sediment, related to hydraulic conductivity
- $q$ = Darcy velocity or moisture flux in layer, meters/year.

The total travel time, T, is determined as the summation of the travel times for each of the "i" layers:

$$T = \sum_{i=1}^{n} L_i \times \theta_i / q_i \qquad (2)$$

where n is the number of sediment layers. For transport calculation purposes, the soil column beneath the ditch was treated as a three-layer system of 61 m (200 ft) depth. Figure 36 illustrates the soil column used in the original analytical solution.

Figure 36. Lithology of Well 299-W19-27 at 216-U-14 Ditch (WHC 1990a).

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The relationship between hydraulic conductivity, K, and moisture content, $\theta$, is described graphically in Figure 37. These curves were derived empirically from laboratory tests on more than 20 different Hanford Site sediment types and established five major sediment types.

The one-dimensional flow analysis embodied in equation 2 was carried out on a computer spreadsheet. The total travel time, T, obtained with equation 2 is divided into the vadose zone thickness to provide an estimate of the rate of moisture migration from the disposal facility to the groundwater.

To obtain an estimate of the rate of contaminant migration, the retardation factor, $R_f$, for each contaminant identified was estimated from the following approximation for Hanford soils:

$$R_f = 1 + 5K_d \tag{3}$$

Conservative $K_d$ values (i.e., at the lower end of observed ranges) were selected from the Ames and Serne (1991) tabulation for effluent described as "low salt, low organic, and neutral pH." When the rate of moisture migration is divided by the $R_f$ for the contaminant of interest, the result is an estimate of the contaminant migration rate.

The effluent discharge rate was entered as liters per month in the spreadsheet computational method. Effluent volumes through 1987 listed in the *Waste Stream Characterization Report* (WHC 1989), were updated to include 1988 and 1989 data for the Liquid Effluent Study (WHC 1990a; the same average infiltration rate was also assumed for the time period subsequent to 1989). The total volume (liters) was divided by the corresponding operating period (months) to establish an average rate of inflow (L/month). This effluent discharge rate was divided by the ditch area to obtain an estimate of the average infiltration rate. More details and an illustrative example for application of the overall computational approach are provided in the *Liquid Effluent Study Final Project Report* (WHC 1990a).

### 5.2.2 Results of Initial Analytical Solution

The following discussion summarizes the results from the *Liquid Effluent Study Final Project Report* (WHC 1990a).

Based on general effluent characteristics and corresponding sorption parameters (Section 5.2.1) for the key constituents identified in Tables 9 and 10, the calculated migration rates in the vadose zone were determined. The migration rate is listed below from the most mobile to least mobile contaminant. Input parameters and travel times to the water table are summarized in Table 11. Based on estimated travel times only breakthrough of uranium is expected.

- 7.7 cm/day (3 in./day) for uranium
- 3.1 cm/day (1.2 in./day) for strontium-90
- 0.8 cm/day (0.3 in./day) for plutonium-239
- 0.5 cm/day (0.2 in./day) for cesium-137

Figure 37. Hydraulic Conductivity Versus Moisture Content (WHC 1990a).

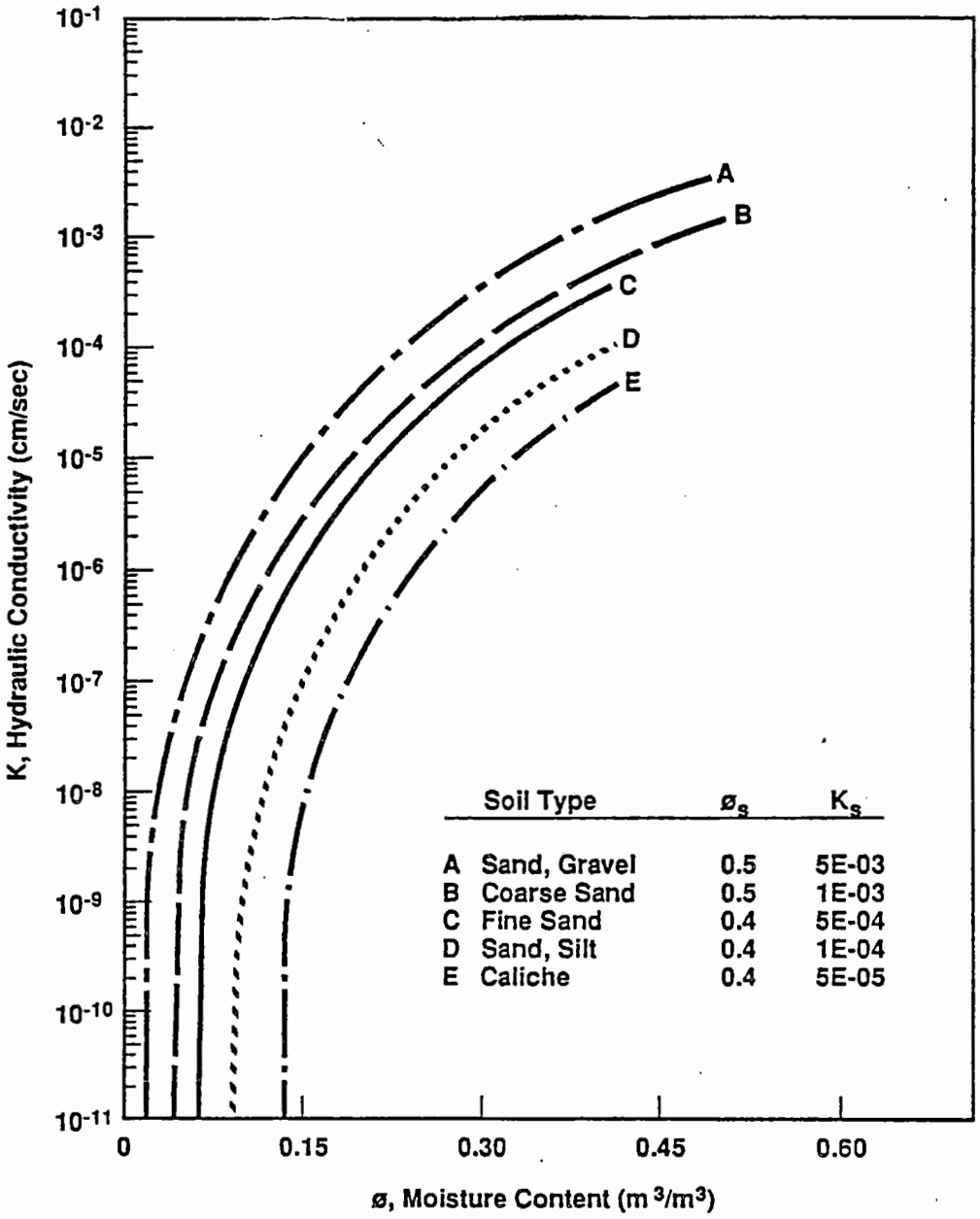


Table 9. Effluent Stream Sampling Data for $UO_3$/U Plant Wastewater - Key Constituents (WHC 1990a).

| Key constituents | Detection limit[a] | Detection/ analyses | Sample concentration (90% CI)[a] | Detection limit[a] | Detection/ analyses | Sample concentration (90% CI)[a] |
|---|---|---|---|---|---|---|
| -- | 9/85 to 1/87, during routine operation | | | 10/89 to 3/90, during routine operation | | |
| Strontium-90 | 30 | 2/NA | 1,800 | 0.1 | ND | ND |
| Plutonium-239 | 50 | 19/NA | 17 | 0.001 | 1/3 | 0.006[b] |
| Uranium (isotopes)[c] | 20 | 46/NA | 41 | NA | 4/4 | 2.2[d] |
| Americium-241 | 40 | 1/NA | 260 | 0.001 | ND | ND |

[a]Units: Chemical = Parts per billion (ppb).
Radionuclides = Picocurie per liter (pCi/L).
[b]Concentrations below Group A study guidelines (WHC 1990a, Appendix A); values given for comparison purposes.
[c]Uranium-234 Group A study guideline used as the most restrictive for determination of key constituents.
[d]Consists of 0.16 pCi/L uranium-234, 0.13 pCi/L uranium-235, and 0.87 pCi/L uranium-238.
CI = Confidence interval.
NA = Not available.
ND = Not detected.

Table 10. Effluent Stream Sampling Data for 242-S Evaporator Steam Condensate - Key Constituents (WHC 1990a).

| Key constituents | Detection limit[a] | Detection/ analyses | Sample concentration (90% CI)[a] | Detection limit[a] | Detection/ analyses | Sample concentration (90% CI)[a] |
|---|---|---|---|---|---|---|
| -- | 10/86 to 5/87, during air sampling pump shutdown mode | | | 10/89 to 3/90, during air sampling pump shutdown mode | | |
| | No chemicals | | | No chemicals | | |
| | 1986 to 1987, during evaporator (1976 to 1980) and shutdown modes (1980 to 1987) | | | 10/89 to 3/90, during air sampling pump shutdown mode | | |
| Cesium-137 | 80 | 6/NA | 150 | 1 | ND | ND |
| Strontium-90 | 30 | 9/NA | 72 | 0.1 | 1/2 | 0.24[b] |
| Ruthenium-106 | 600 | 1/NA | 820 | 0.5 | ND | ND |
| Cerium-144 | NA | 1/NA | 920 | NA | ND | ND |
| Uranium (isotopes)[c] | 20 | 3/NA | 110 | NA | 3/3 | 0.32[b,d] |

[a]Units: Chemical = Parts per billion (ppb).
Radionuclides = Picocurie per liter (pCi/L).
[b]Concentrations below Group A study guidelines (WHC 1990a, Appendix A); values given for comparison purposes.
[c]Uranium-234 Group A study guideline used as the most restrictive for determination of key constituents.
[d]Consists of 0.20 pCi/L uranium-234 and 0.12 pCi/L uranium-238.
CI = Confidence interval.
NA = Not available.
ND = Not detected.

- 0.4 cm/day (0.16 in./day) for ruthenium-106
- 0.2 cm/day (0.08 in./day) for cerium-144
- 0.1 cm/day (0.04 in./day) for americium-241.

### 5.2.3 Results of Revised Analytical Solution

The one-dimensional unit gradient model is revised to include moisture characteristic curves and the soil profile defined on the basis of recent characterization efforts at the 216-U-14 Ditch. As will be discussed subsequently, the available information provides the opportunity for some sensitivity analyses.

The infiltration rate beneath the 216-U-14 Ditch varies over time because of modifications made to the U Pond disposal facility. Estimated infiltration rates beneath the 216-U-14 Ditch range from 15 to 622 m/yr (1 to 42 gal/day/sq ft). 622 m/yr (42 gal/day/sq ft), as a maximum average infiltration rate, is applicable to the last 8 years or 12% of the operational history of the ditch. 15 m/yr (1 gal/day/sq ft) is applicable from 1944 to 1985. An infiltration rate of 74 m/yr (5 gal/day/sq ft) is applied in the unit gradient model. 74 m/yr (5 gal/day/sq ft) is equal to half the design infiltration capacity of many ponds, ditches, and cribs in the 200 Area. A cross section through the eastern end of the ditch is shown in Figure 38.

Hydrologic properties in the vadose zone are described by moisture characteristic curves, a set of matrix potential versus moisture content, and unsaturated hydraulic conductivity versus moisture content curves. Curves for seven of the zones under investigation are shown in Figures 39 through 44. Regarding the unit gradient model, it is the saturated hydraulic conductivity that is of interest; this is a laboratory determined property that is shown as a point on the upper end of the hydraulic conductivity versus moisture content curve in Figures 39 through 44.

The soil profile representing the 216-U-14 Ditch (Figure 38) is generally based on samples collected from 3 boreholes: 299-W19-91, 299-W19-92, and 299-W19-93. Each borehole has a slightly different soil profile. Therefore, in performing the unit gradient analysis for moisture migration, the soil profile was used from results shown in Tables 12, 13, and 14. The estimated time for moisture to travel from the ditch to the water table ranges from about 117 years at borehole 299-W19-93 to about 165 years at borehole 299-W19-92. Inspection of Tables 12, 13, and 14 indicate that the primary contributor to the estimated travel times is zone 10 with a saturated hydraulic conductivity of 0.05 m/year (0.15 ft/year), accounting for about 111 years of the estimated 117-year travel time for borehole 299-W19-93 and about 160 years of the estimated 165 years for borehole 299-W19-92.

Because determination of the saturated hydraulic conductivity is difficult, several other determinations were used to perform a sensitivity analysis. Results from recent sediment samples from wells on the western end of the ditch yielded estimates of saturated hydraulic conductivities for soils in zone 10 of 0.034 m/year (0.1 ft/year), 12.0 m/year (36 ft/year), and 22.05 m/year (66 ft/year). The latter two estimates are considerably greater than the 0.05 m/year (0.15 ft/year) used in the unit gradient analysis

Table 11. Initial Analytical Solution Results for the 216-U-14 Ditch From the *Liquid Effluent Study Final Project Report* (WHC 1990a).

| Disposal facility | Rate (L/month) | Area ($m^2$) | f (infiltration rate cm/s) | Layer number | Thickness (m) | Soil type |
|---|---|---|---|---|---|---|
| 216-U-14 Ditch | 3.30 E+07 | 520 | 2.42 E-03 | 1<br>2<br>3 | 37<br>6<br>18<br>61 | A<br>D<br>A |

| $\theta_s$ | $K_s$ | $\theta$ | Moisture state | q (cm/s) | t (s) | T (d) | Estimated moisture migration (cm/day) |
|---|---|---|---|---|---|---|---|
| 0.5<br>0.4<br>0.5 | 5.0 E-03<br>1.0 E-04<br>5.0 E-03 | 0.44<br>0.40<br>0.21 | Unsaturated<br>Saturated<br>Unsaturated | 2.42 E-03<br>1.00 E-04<br>1.00 E-04 | 6.74 E+05<br>2.40 E+06<br>3.78 E+06<br>6.85 E+06 | 79 | 76.9 |

| Constituent | $R_f$ (retardation factor) | Estimated contaminant migration (cm/day) | Contaminant transport to water table (year) |
|---|---|---|---|
| Strontium-90 | 25 | 3.1 | 5 |
| Plutonium-239 | 100 | 0.8 | 22 |
| Cesium-137 | 150 | 0.5 | 33 |
| Cerium-144 | 500 | 0.2 | 109 |
| Uranium | 10 | 7.7 | 2 |
| Americium-241 | 1,000 | 0.1 | 217 |
| Ruthenium-106 | 200 | 0.4 | 43 |

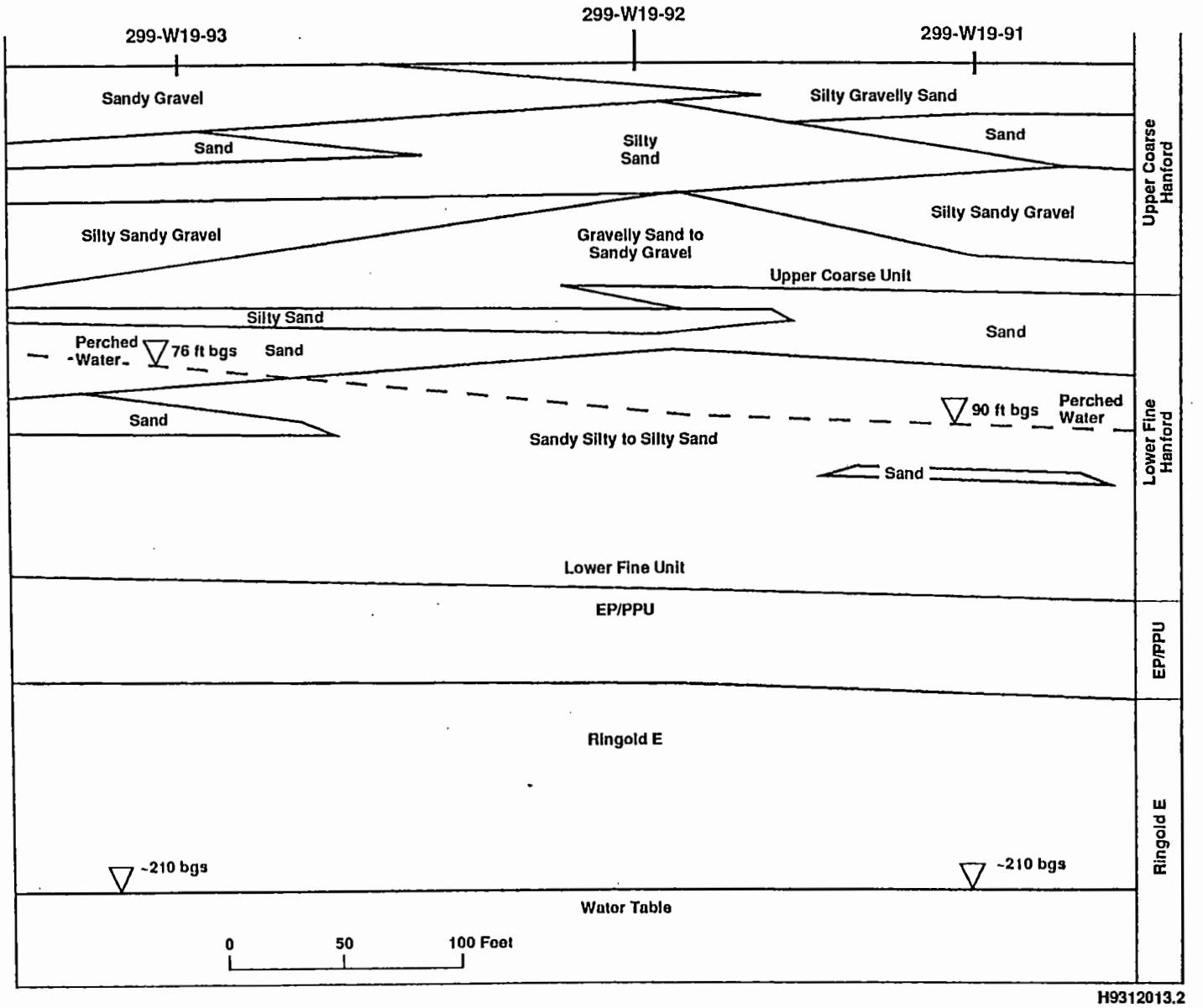



Figure 38. Cross Section Through Wells 299-W19-91, 299-W19-92, and 299-W19-93 at the 216-U-14 Ditch.

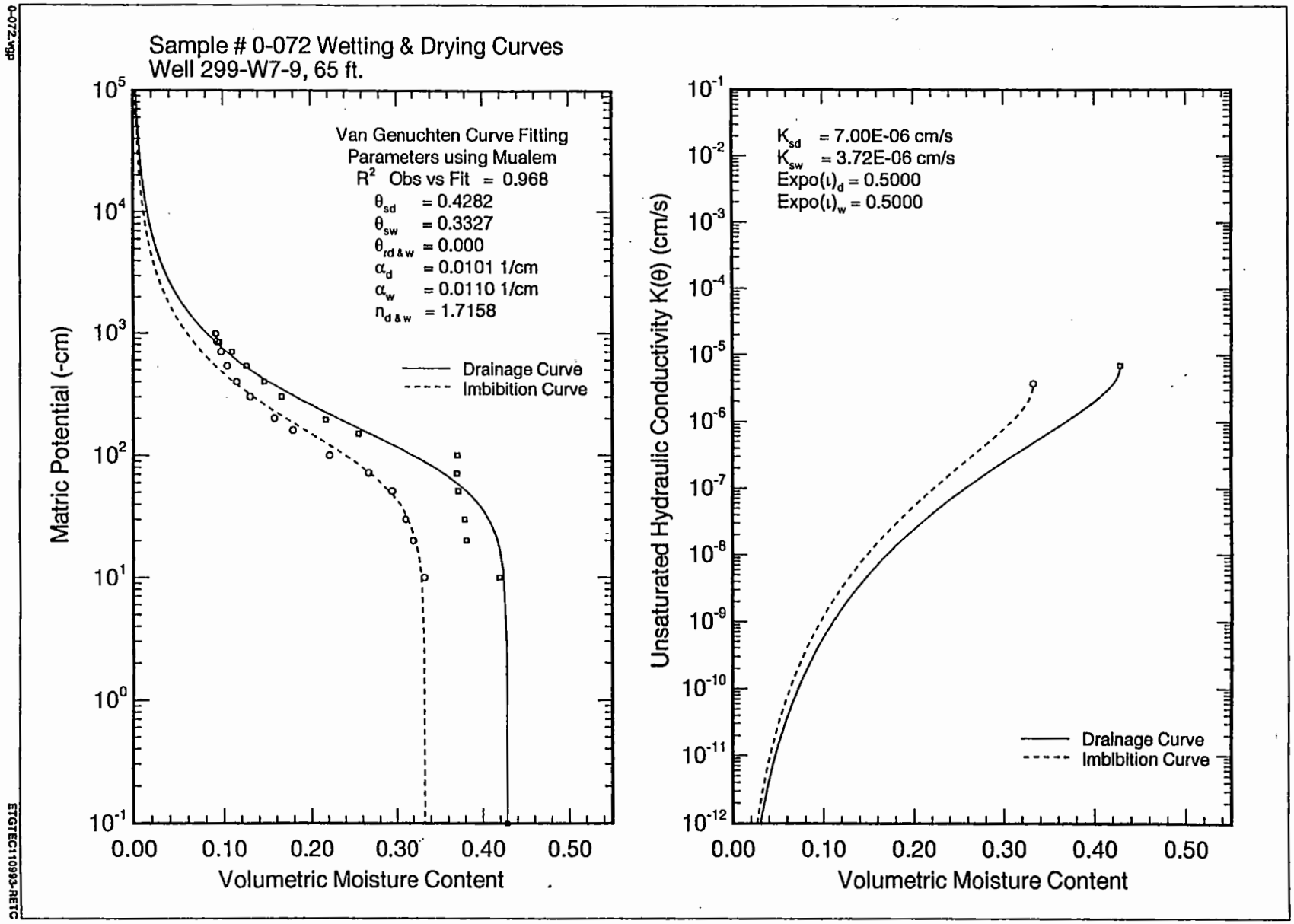
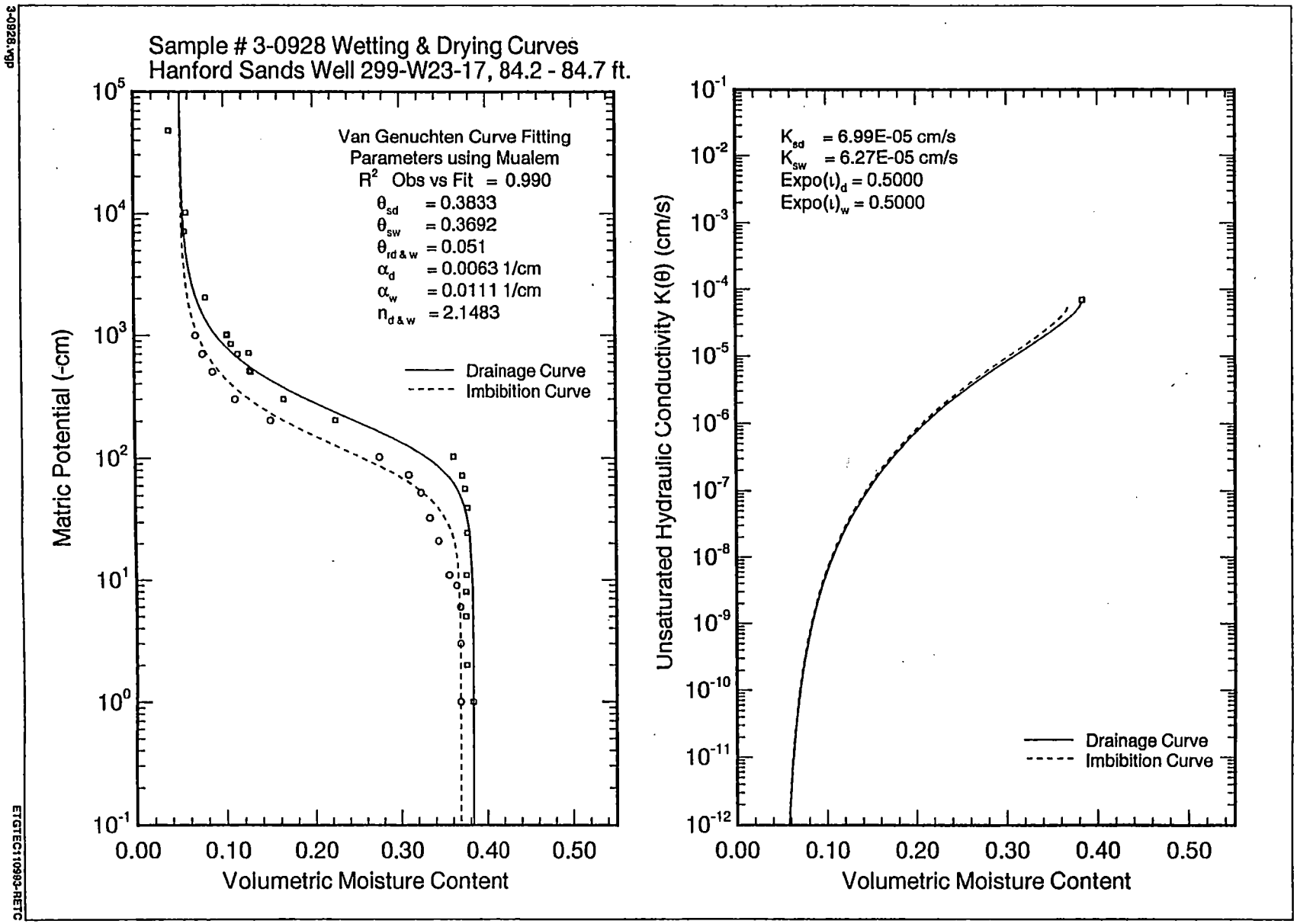



Figure 39. Moisture Characteristic Curves Zones 5 and 6.

Figure 40. Moisture Characteristic Curves Zones 8.



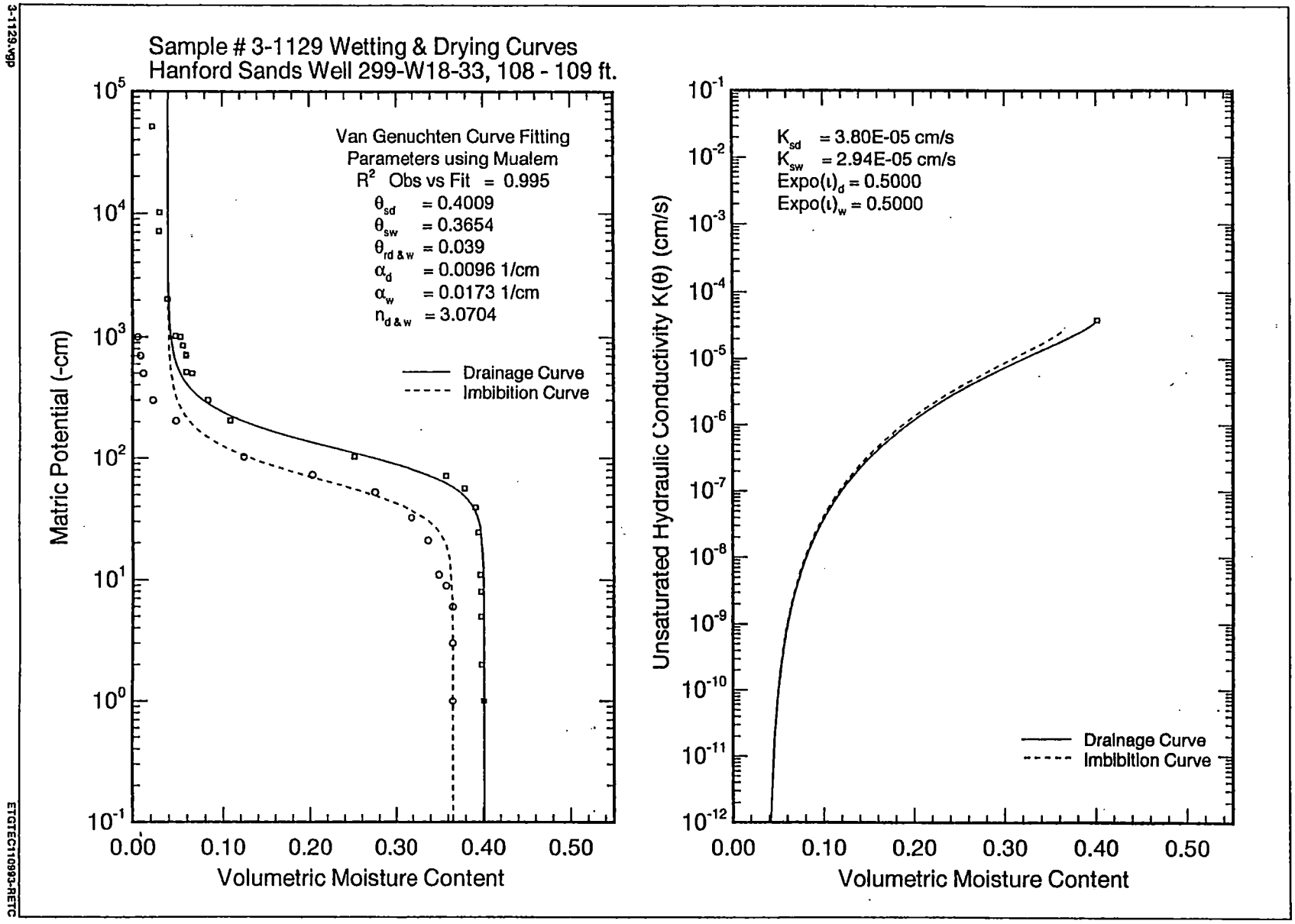



Figure 41. Moisture Characteristic Curves Zones 9.

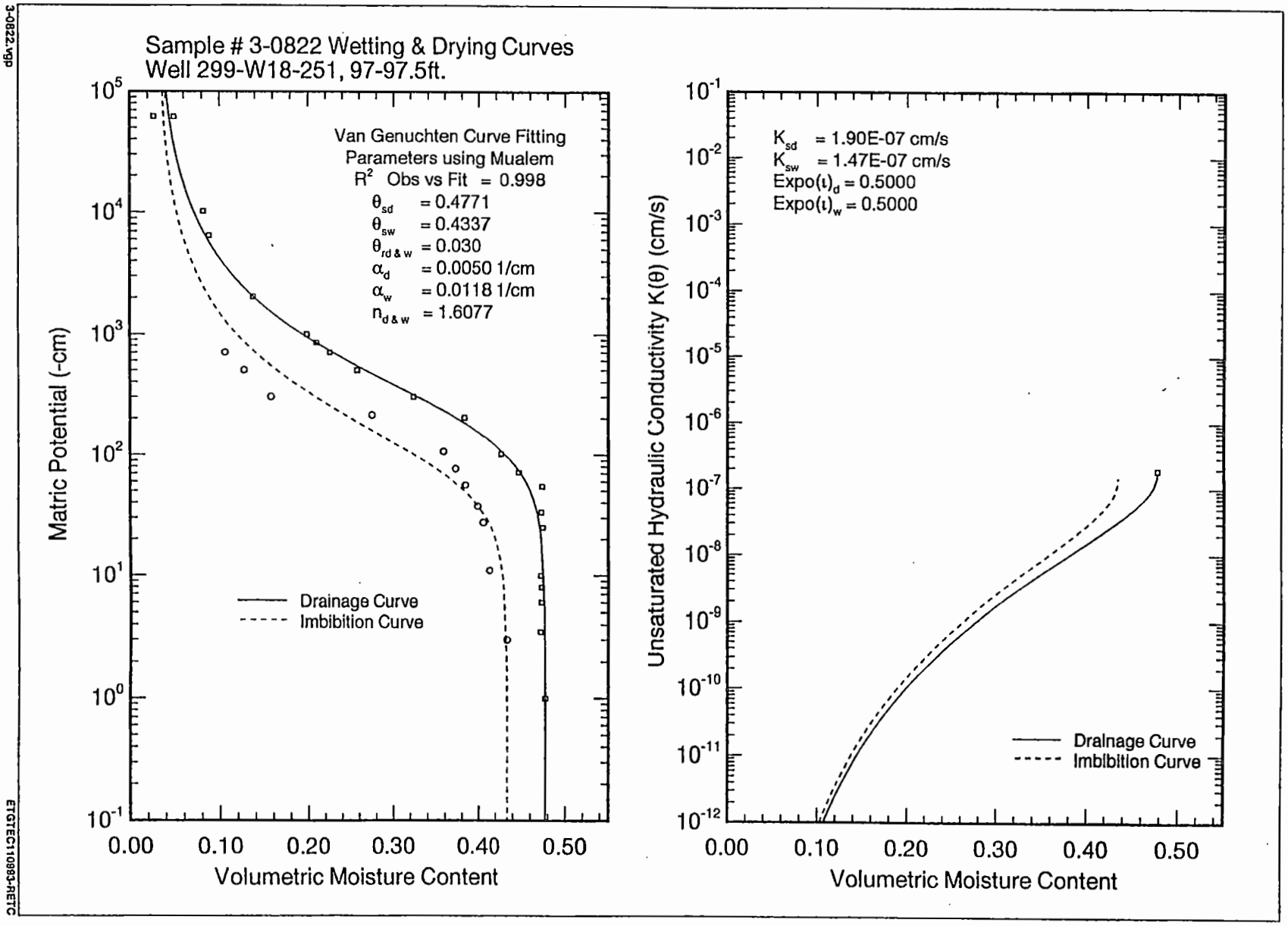



Figure 42. Moisture Characteristic Curves Zones 10.

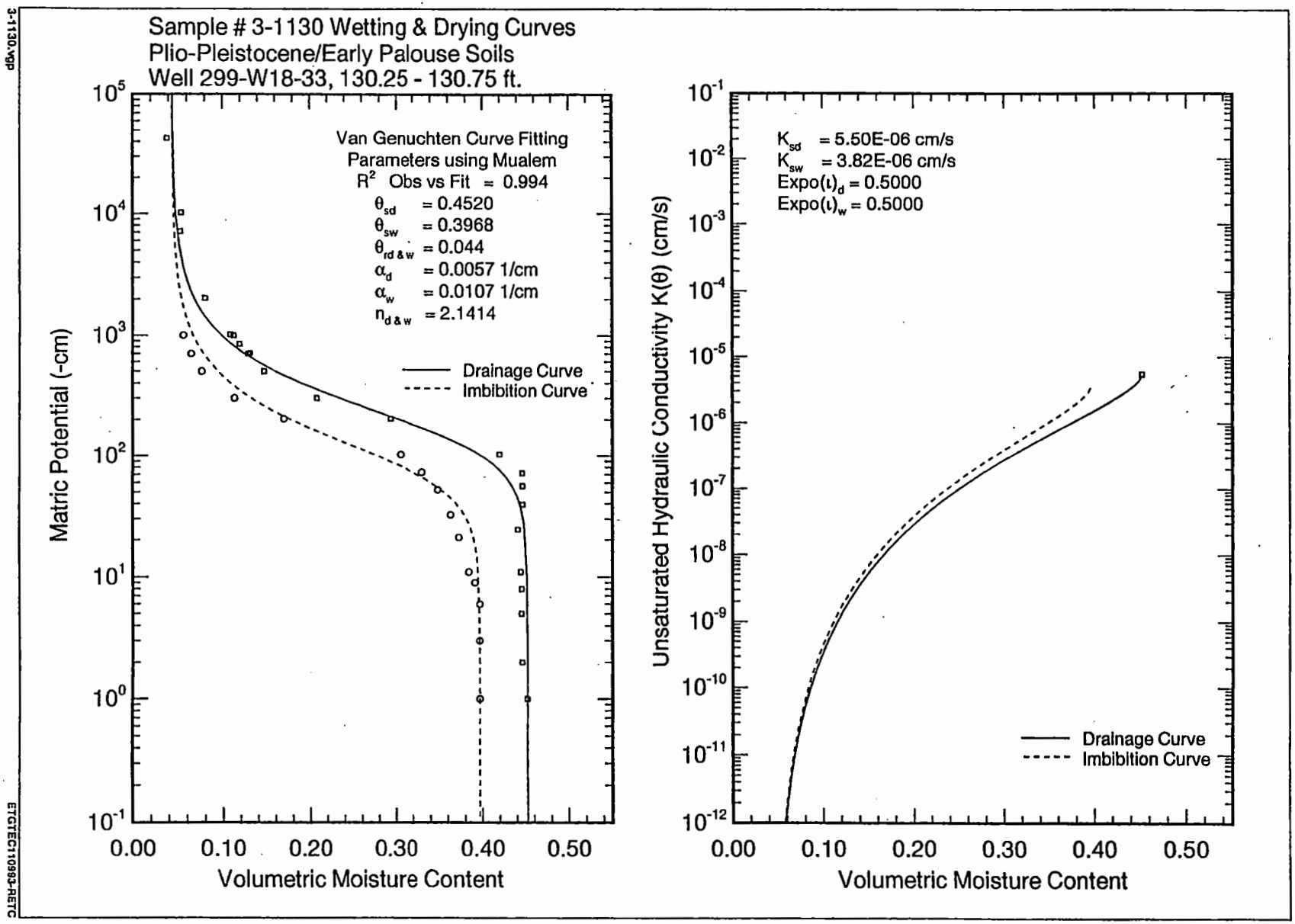



Figure 43. Moisture Characteristic Curves Zones 11.

Figure 44. Moisture Characteristic Curves Zones 12.

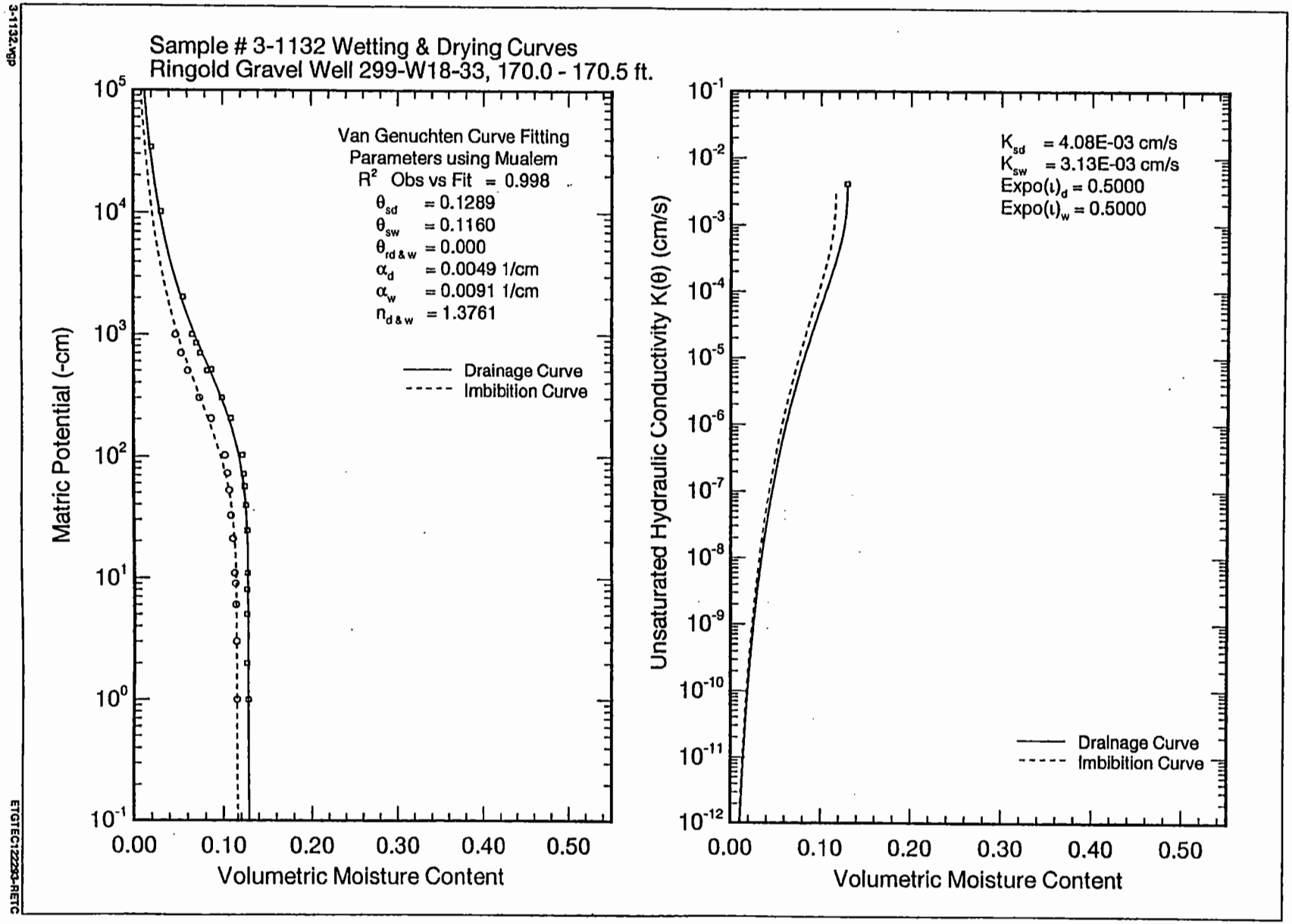


Table 12. Revised Unit Gradient Model for the 216-U-14 Ditch at Well 299-W19-91.

| Well 299-19-91 units | Thickness (m) | Hydraulic conductivity at theta (m/year) | Volumetric moisture content | Moisture travel time (years) |
|---|---|---|---|---|
| Layer 1 | 3.05 | 0.72 | 0.39 | 1.6510 |
| Layer 3 | 3.05 | 0.72 | 0.19 | 0.8170 |
| Layer 4 | 1.52 | 1.22 | 0.25 | 0.3172 |
| Layer 5 | 6.10 | 1.17 | 0.39 | 2.0320 |
| Layer 7 | 2.74 | 8,520.00 | 0.39 | 0.0001 |
| Layer 9 | 6.40 | 9.28 | 0.37 | 0.2520 |
| Layer 10 | 7.62 | 0.05 | 0.43 | 66.0959 |
| Layer 9 | 1.52 | 9.28 | 0.37 | 0.0600 |
| Layer 10 | 9.14 | 0.05 | 0.43 | 79.3151 |
| Layer 11 | 8.23 | 1.12 | 0.40 | 2.6988 |
| Layer 12 | 12.63 | 987.8 | 0.11 | 0.00016 |
| Total | -- | -- | -- | 153.24 years at 5 gal/day/sq ft |

All units except 2, 7, and 12 are saturated.

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Table 13. Revised Unit Gradient Model for the 216-U-14 Ditch at Well 299-W19-92.

| Well 299-19-92 units | Thickness (m) | Hydraulic conductivity at theta (m/year) | Volumetric moisture content | Moisture travel time (years) |
|---|---|---|---|---|
| Layer 1 | 1.83 | 0.72 | 0.19 | 0.4826 |
| Layer 2 | 1.22 | 8,520.00 | 0.39 | 0.0001 |
| Layer 4 | 7.01 | 1.22 | 0.25 | 1.4366 |
| Layer 7 | 7.01 | 8,520.00 | 0.39 | 0.0003 |
| Layer 9 | 2.74 | 9.28 | 0.37 | 0.1094 |
| Layer 8 | 1.52 | 19.79 | 0.37 | 0.0285 |
| Layer 9 | 1.22 | 9.28 | 0.37 | 0.0486 |
| Layer 10 | 18.59 | 0.05 | 0.43 | 159.8981 |
| Layer 11 | 8.23 | 1.21 | 0.40 | 2.7205 |
| Layer 12 | 15.54 | 987.80 | 0.11 | 0.0017 |
| Total | -- | -- | -- | 164.73 years at 5 gal/day/sq ft |

All units except 2, 7, and 12 are saturated.

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Table 14. Revised Unit Gradient Model for the 216-U-14 Ditch at Well 299-W19-93.

| Well 299-19-93 units | Thickness (m) | Hydraulic conductivity at theta (m/year) | Volumetric moisture content | Moisture travel time (years) |
|---|---|---|---|---|
| Layer 2 | 6.10 | 8,520.00 | 0.39 | 0.0003 |
| Layer 3 | 1.52 | 0.72 | 0.19 | 0.4085 |
| Layer 4 | 2.74 | 1.22 | 0.25 | 0.5709 |
| Layer 6 | 5.49 | 1.17 | 0.39 | 1.8288 |
| Layer 7 | 3.05 | 8,520.00 | 0.39 | 0.0001 |
| Layer 8 | 1.52 | 19.79 | 0.37 | 0.0284 |
| Layer 9 | 5.18 | 9.28 | 0.37 | 0.2040 |
| Layer 10 | 1.83 | 22.05 | 0.43 | 0.0360 |
| Layer 9 | 2.74 | 9.28 | 0.37 | 0.1080 |
| Layer 10 | 10.97 | 22.05 | 0.43 | 0.2158 |
| Layer 11 | 8.23 | 1.21 | 0.40 | 2.6988 |
| Layer 12 | 14.63 | 987.80 | 0.11 | 0.0016 |
| Totals | 64.008 | -- | -- | 116.89 years at 5 gal/day/sq ft |

All units except 2, 7, and 12 are saturated.

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discussed in the previous paragraph. To provide an estimated travel time that would be a lower bound, the unit gradient analysis for borehole 299-W19-93 was repeated using a saturated hydraulic conductivity for zone 10 of 22.05 m/year (66 ft/year) instead of the 0.05 m/year (0.15 ft/year) used previously. As shown in Table 15, this higher conductivity yields an estimated moisture travel time of about 6 years, significantly less than the previously estimated 117 years.

As noted in Section 5.2.1, equation 3, an estimate of contaminant travel times may be developed on the bases of the retardation factor. Using the same retardation factors as used in the Liquid Effluent Study with exception of strontium-90, cobalt-60, and five chemical contaminants, estimates of the travel times for contaminants to reach the water table are determined (see Table 16).

Detergents from the laundry facility were discharged to the 216-U-14 Ditch until 1982. Detergents have been shown to reduce the retardation factor, $R_f$, in equation 3 and reduce contaminant travel times. The travel times shown in Table 16 are therefore revised in Table 17 to reflect the lower estimates of $R_f$ for selected contaminants in the presence of detergents. Where comparison between revised contaminant travel times (Table 16) and contaminant transport in the presence of detergents (Table 17) can be made, travel times are increased 2 to 15 times. The migration rates using modified retardation factors also correspond better with groundwater data, although travel times based on observation of discharge and plots of uranium-238 and gross alpha concentrations versus time suggest much shorter travel times. The discrepancy exists because model limitations do not account for preferential pathways (e.g., clastic dikes, soil heterogeneities, poor well seals).

### 5.2.4 Actual Field Conditions and Indications

**5.2.4.1 Sediments.** Thirteen contaminants were identified in the sediment column that may potentially impact groundwater quality. Potential for impact is based on detection above background or simply detection in the case of manmade chemicals and radionuclides because a standard has not been established. Contaminants detected above background in the sediment column are silver and nickel. Silver and nickel are 1.2 and 2.75 greater than background, respectively. Additional contaminants detected in the sediment column that may potentially impact the underlying groundwater are acetone, aroclor-1254, bis-(ethlyhexyl) phthalate, methyl ethyl ketone, pyridine, tetrahydrofuran, americium-241, cobalt-60, cesium-137, isotopic plutonium, strontium-90, technetium-99, and uranium-238. However, chemical contaminants and technetium-99 generally have a limited distribution (e.g., one detection) in the sediment column. Maximum contaminant levels for sediment column contaminants are given in Chapter 4.0, Tables 6, 7, and 8.

**5.2.4.2 Perched Water.** Seven contaminants (arsenic, cobalt-60, gross alpha, gross beta, manganese, strontium-90, and uranium-238) were identified in the perched water zone beneath the ditch. Detection of contaminants in the perched water zone is significant as an indicator of the vertical extent of contamination beneath the ditch. Of the six contaminants in the perched water zone all exceed the GQC except manganese and may potentially impact the

Table 15. Revised Unit Gradient Model with High Hydraulic Conductivity for Layer 10 at Well 299-W19-93.

| Well 299-19-93 units | Thickness (m) | Hydraulic conductivity at theta (m/year) | Volumetric moisture content | Moisture travel time (years) |
|---|---|---|---|---|
| Layer 2 | 6.10 | 8,520.00 | 0.39 | 0.0003 |
| Layer 3 | 1.52 | 0.72 | 0.19 | 0.4085 |
| Layer 4 | 2.74 | 1.22 | 0.25 | 0.5709 |
| Layer 6 | 5.49 | 1.17 | 0.39 | 1.8288 |
| Layer 7 | 3.05 | 8,520.00 | 0.39 | 0.0001 |
| Layer 8 | 1.52 | 19.79 | 0.37 | 0.0284 |
| Layer 9 | 5.18 | 9.28 | 0.37 | 0.2040 |
| Layer 10 | 1.83 | 22.05 | 0.43 | 0.0360 |
| Layer 9 | 2.74 | 9.28 | 0.37 | 0.1080 |
| Layer 10 | 10.97 | 22.05 | 0.43 | 0.2158 |
| Layer 11 | 8.23 | 1.21 | 0.40 | 2.6988 |
| Layer 12 | 14.63 | 987.80 | 0.11 | 0.0016 |
| Totals | 64.008 | -- | -- | 6.10 years at 5 gal/day/sq ft |

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Table 16. Retardation Factor and Revised Contaminant Travel Times Based on Data in Table 15.

| Contaminants | Retardation factor $R_f$ | Transport to water table years |
|---|---|---|
| Americium-241 | 1,000 | 6,101 |
| Cesium-137 | 150 | 915 |
| Cerium-144 | 500 | 3,051 |
| Cobalt-60 | 250 | 1,525 |
| Plutonium-239 | 100 | 610 |
| Ruthenium-106 | 200 | 1,220 |
| Strontium-90 | 125 | 763 |
| Uranium | 10 | 61 |
| Arsenic | 6 | 37 |
| Aroclor-1254 | 1 | 6 |
| Bis-(2-ethylhexyl) phthalate | 1 | 6 |
| Manganese | 250 | 1,525 |
| Silver | 150 | 915 |

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Table 17. Detergent Revised Retardation Factor and Contaminant Travel Times Based on Data in Table 15.

| Contaminants | Retardation factor ($R_f$) | Transport to water table years |
|---|---|---|
| Americium-241 | 100 | 610 |
| Cesium-137 | 10 | 61 |
| Cerium-144* | 500 | 3,051 |
| Cobalt-60 | 25 | 152 |
| Plutonium-239 | 50 | 305 |
| Ruthenium-106* | 200 | 1,220 |
| Strontium-90 | 6 | 37 |
| Uranium | 6 | 37 |
| Arsenic | 1 | 6 |
| Aroclor-1254* | 1 | 6 |
| Bis-(2-ethylhexyl) phthalate* | 1 | 6 |
| Manganese | 10 | 61 |
| Silver* | 150 | 915 |

*Modified retardation factor not available for these contaminants.

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groundwater. Data from the perched water zone, as an early detection system, also indicates that many contaminants identified in Section 5.2.4.1 do not extend to the perching horizons.

**5.2.4.3 Groundwater.** Three contaminants (arsenic, manganese, and gross alpha) exceed the GQC or DCG at the water table and are associated with the 216-U-14 Ditch. Arsenic was detected on each end of the ditch and is attributed to discharge from the 242-S Evaporator and $UO_3$/U Plant. Manganese was detected in the groundwater beneath the western end of the ditch and is attributed to discharge from the 242-S Evaporator. Gross alpha was detected on the eastern end of the ditch and is attributed to discharge from $UO_3$/U Plant. Carbon tetrachloride also exceeds the GQC at the water table; however, the contaminant was not detected in the perched water zone or sediment samples and is therefore not associated with the ditch. In addition, uranium is the primary contaminant of interest at the ditch. The available data indicates that uranium-238 does not exceed the DCG at the water table and was detected at its greater concentration (13.5 pCi/L) in 1987. The highest concentration of uranium-238 detected (11.2 pCi/L) recently was during the 1993 $UO_3$/U Plant stabilization.

**5.2.4.4 Contaminant Impact from Continued Use.** Predictions of contaminant travel times to groundwater in Table 17 indicate breakthrough of arsenic, aroclor-1254, bis-(2-ethylhexyl) phthalate, cesium-137, manganese, strontium-90, and uranium should occur at the water table. Evaluation of groundwater water data indicates that breakthrough is only apparent for arsenic, gross alpha associated with uranium, gross beta, and manganese. Breakthrough of aroclor-1254 and bis-(2-ethylhexyl) phthalate may also occur based on detergent revised retardation factors; however, the potential is small because the distribution of these contaminants is limited. The prediction of 61 years for breakthrough of cesium-137 is not a good estimate of travel time because none was detected in the perched water zone. Travel times of 37 and 150 years to the water table may be a close approximation for strontium-90 and cobalt-60, respectively, based on detection observed in the perched water zone. Significant impact by comparison with the GQC from 242-S Evaporator discharge is denoted by the presence of arsenic and manganese at the water table on the western end of the ditch. Arsenic and gross alpha contamination on the eastern end of the ditch exceed the GQC because of $UO_3$/U Plant discharge.

Information in the preceding paragraph, contaminant trends described in Section 4.3, and the current rate of flow (less than 568 L/minute [150 gal/minute]) into the ditch suggest that contaminant impacts from continued use should be lessened or commensurate in comparison with the current extent of contamination, except for strontium-90 and cobalt-60. Based on the occurrence in the perched zone, strontium-90 may breakthrough to the water table within 15 years. Cobalt-60 may breakthrough within 100 years. However, travel times for strontium-90, cobalt-60, and other contaminants should subsequently increase since discharge to the sediment column will cease in 1995 and depth to the water table will increase. An increase in uranium concentrations is observed over time at the water table and can be generally associated with discharge greater than 568 L/minute (150 gal/minute). As discharge decreases, so should uranium-238 concentrations. Assessment of the

above predictions can only be confirmed by long-term monitoring. Therefore, contaminants identified as elevated should be included in long-term operational groundwater water monitoring strategies.

## 5.3 EVALUATION OF MONITORING NETWORK ADEQUACY

### 5.3.1 Groundwater Monitoring Well Placement

**5.3.1.1 Adequacy of Groundwater Monitoring Network.** Wells in the 216-U-14 Ditch groundwater monitoring network are placed to maximize the potential for detecting contaminants. Perched water monitoring wells intersect the perched water on the downslope side of the ditch and provide adequate coverage for water quality on the eastern and western ends of the ditch. However, the placement of perched wells is not adequate to determine the lateral extent of the perched water zone at the ditch. In addition, perched water monitoring wells also serve as an early warning detection system for the underlying groundwater.

Groundwater monitoring wells provide coverage to assess upgradient and downgradient water quality on the eastern and western ends of the ditch as well as groundwater flow direction. The placement of these wells determine the nature and extent of contamination in the area of the ditch and are used in conjunction with perched water wells to determine impact.

The water table is currently declining at a rate of 0.3 m/year (1 ft/year). With reductions in and eventual termination of discharge schedule in June 1995, the rate of decline will increase and the existing groundwater mound will dissipate. Groundwater flow direction will assume the regional groundwater flow direction to the east. With future changes in groundwater flow direction in the vicinity of the 216-U-14 Ditch, the network should provide adequate coverage for assessments of impact, provided the screen interval in monitoring wells intersect water producing zones.

### 5.3.2 Reporting of Monitoring Data

All hydrochemical monitoring data are reported in the HEIS database, which is publicly accessible. Groundwater quality at the 216-U-14 Ditch is described in the annual Westinghouse Hanford *Operational Groundwater Status Report* (Johnson 1993b).

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# 6.0 CONCLUSION

The evaluation of existing and recent data presented in this report leads to the following conclusions about the impacts of discharge to the 216-U-14 Ditch.

The 216-U-14 Ditch is currently used to manage effluent discharge from the 242-S Evaporator and $UO_3$/U Plant. Before 1985, the ditch also received effluent from six other facilities that were mainly uncharacterized. Because noncontemporary effluent streams were not well characterized and the contaminant burden was periodically reduced by dredging sediments out of the ditch, the radiological and chemical inventory is undetermined.

Hydrologic impacts attributed to effluent discharge are development of perching horizons and maintenance of the 200 West Area groundwater mound. Correlation between discharge and changes in water table elevation suggest a preferential pathway to the water table through fine-grained horizons (e.g., lower Hanford, Plio-Pleistocene unit) beneath the ditch.

Ten Washington water quality contaminants or radionuclides were identified in sediment samples collected during recent data collection efforts that may potentially impact groundwater. Sediment column contaminants are aroclor-1254, bis-(ethlyhexyl) phthalate, silver, americium-241, cesium-137, cobalt-60, isotopic plutonium, strontium-90, technetium-99, and uranium-238. Sediment samples collected indicate that most of the contaminant distribution is within several feet of the ditch bottom. Seven contaminants (arsenic, cobalt-60, gross alpha, gross beta, manganese, strontium-90, and uranium-238) were identified in the perched water zone that may impact groundwater quality.

Operation of the 216-U-14 Ditch contributes contaminants to the 200 West Area groundwater. Five contaminants were detected in the groundwater denoting breakthrough due to operation of the ditch. Groundwater contaminants are arsenic, gross alpha, gross beta, manganese, and uranium-238. Only arsenic, manganese, and gross alpha contamination associated with uranium exceed the assessment criteria at the water table and represent significant impact. Arsenic is linked to discharge from the 242-S Evaporator, $UO_3$/U Plant, and U Pond. Manganese is linked to 242-S Evaporator discharge. Gross alpha contamination is associated with $UO_3$/U Plant discharge.

The current mode of operations at the ditch suggest that impacts from continued use should generally be less than or consistent with present contaminant levels, except for strontium-90 and cobalt-60. Strontium-90 may breakthrough to the water table within 15 years. Cobalt-60 may breakthrough within 100 years. Estimates of breakthrough for strontium-90 and cobalt-60 are based on the current depth of the water table and continued discharge of 74 m/yr (5 gal/day/sq ft). Predictions of breakthrough are, therefore, very conservative.

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9413160.0437

## 7.0 REFERENCES

40 CFR 264, 1992, "Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities," *Code of Federal Regulations*, as amended.

Alexander, D. J., V. G. Johnson, and K. A. Lindsey, 1993, *Groundwater Impact Assessment Report for the 284-WB Powerhouse Ponds*, WHC-EP-0679, Westinghouse Hanford Company, Richland, Washington.

Ames, L. L., and R. J. Serne, 1991, *Compilation of Data to Estimate Groundwater Migration Potential for Constituents in Active Liquid Discharges at the Hanford Site*, PNL-7660, Pacific Northwest Laboratory, Richland, Washington.

Baker, V. R., B. N. Bjornstad, A. J. Busacca, K. R. Fecht, E. P. Kiver, U. L. Moody, J. G. Rigby, D. F. Stradling, and A. M. Tallman, 1991, "Quaternary Geology of the Columbia Plateau," in *Quaternary Nonglacial Geology; Conterminous United States*, R. B. Morrison (ed.), Geological Society of America, The Geology of North America, Boulder, Colorado, Vol. K-2, pp. 215-250.

Barrington, C. A., 1993, "Z Plant Contribution to Secondary Carbon Tetrachloride Concentration Maximum in Groundwater Under 200 West Area," (internal memo 23230-93-CAB-004).

Bjornstad, B. N., 1984, *Suprabasalt Stratigraphy Within and Adjacent to the Reference Repository Location*, SD-BWI-DP-039, Rockwell Hanford Operations, Richland, Washington.

Black, R. F., 1979, *Clastic Dikes of the Pasco Basin, Southeastern Washington*, RHO-BWI-C-64, Rockwell Hanford Operations, Richland, Washington.

Campbell, N. P., 1989, "Structural and Stratigraphic Interpretation of Rocks Under the Yakima Fold Belt, Columbia Basin, Based on Recent Surface mapping and Well Data," in *Volcanism and Tectonism in the Columbia Flood-Basalt Province*, Special Paper 239, S. P. Reidel and P. R. Hooper, (eds.), Geological Society of America, Boulder, Colorado, pp. 209-222.

Connelly, M. P., B. H. Ford, and J. V. Borghese, 1992a, *Hydrogeologic Model for the 200 West Groundwater Aggregate Area*, WHC-SD-EN-TI-014, Westinghouse Hanford Company, Richland, Washington.

Connelly, M. P., J. V. Borghese, et al., 1992b, *Hydrogeologic Model for the 200 East Groundwater Aggregate Area*, WHC-SD-EN-TI-014, Westinghouse Hanford Company, Richland, Washington.

Delaney, C. D., K. A. Lindsey, and S. P. Reidel, 1991, *Geology and Hydrology of the Hanford Site: A Standardized Text for Use in Westinghouse Hanford Company Documents and Reports*, WHC-SD-ER-TI-003, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

DOE, 1988, *Consultation Draft Site Characterization Plan*, DOE/RW-0164, Vols. 1-9, Office of Civilian Radioactive Waste Management, U.S. Department of Energy, Washington, D.C.

DOE-RL, 1992a, *S-Plant Source Aggregate Area Management Report*, DOE/RL 91-60, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1992b, *U-Plant Source Aggregate Area Management Report*, DOE/RL 91-52, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1993, *Hanford Site Background: Part 1, Soil Background for Nonradioactive Analytes*, DOE/RL 92-24, Vol. 1 and 2, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Ecology, et al., 1992, *Hanford Federal Facility Agreement and Consent Order*, Washington State Department of Ecology, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Fecht, K. R., S. P. Reidel, and A. M. Tallman, 1987, *Paleodrainage of the Columbia River System on the Columbia Plateau of Washington State -- a Summary*, in Selected Papers on the Geology of Washington, Division of Geology and Earth Resources, J. E. Schuster (ed.), Bulletin 77, pp. 219-248.

Ford, B. H., 1993, *Groundwater Field Characterization Report for the 200 Aggregate Area Management Study*, WHC-SD-EN-TI-020, Westinghouse Hanford Company, Richland, Washington.

Gee, G. W., 1987, *Recharge of the Hanford Site: Status Report*, PNL-6403, Pacific Northwest Laboratory, Richland, Washington.

Graham, M. J., G. V. Last, and K. R. Fecht, 1984, *An Assessment of Aquifer Intercommunication in the B Pond-Gable Mountain Pond Area of the Hanford Site*, RHO-RE-ST-12, Rockwell Hanford Operations, Richland, Washington.

Johnson, V. G., 1993a, *Groundwater Assessment Report for the 216-Z-20 Crib, 200 West Area*, WHC-EP-0674, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., 1993b, *Westinghouse Hanford Company Operational Groundwater Status Report 1990-1992*, WHC-EP-0595, Westinghouse Hanford Company, Richland, Washington.

Knoll, K. C., 1957, *Effects of Detergents Upon Absorption of Radioisotopes by Soils*, HW-520551, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Landeen, D. S., and J. G. Leitz, 1982, *Environmental Characterization of the 216-U-14 Ditch*, RHO-HS-EV-0004, Rockwell Hanford Operations, Richland, Washington.

9413153.0439

Last, G. V., 1981, *216-U-10 Pond and 216-Z-19 Ditch Characterization Studies* (Draft), RHO-ST-45, Rockwell Hanford Operations, Richland, Washington.

Last, G. V., 1983, *Radionuclide Distributions Around A Low-Level Radioactive Waste Disposal Pond and Ditch System at the Hanford Site*, RHO-HS-SA-19, Rockwell Hanford Operations, Richland, Washington.

Last, G. V., B. N. Bjornstad, M. P. Bergeron, R. W. Wallace, D. R. Newcomer, J. A. Schramke, M. A. Chamness, C. S. Cline, S. P. Airhart, and J. S. Wilbur, 1989, *Hydrogeology of the 200 Areas Low-Level Burial Grounds -- An Interim Report*, PNL-6820, Pacific Northwest Laboratory, Richland, Washington.

Lindsey, K. A., and D. R. Gaylord, 1989, *Sedimentology and Stratigraphy of the Miocene-Pliocene Ringold Formation, Hanford Site, South-Central Washington*, WHC-SA-0740-FP, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A., 1991, *Revised Stratigraphy of the Ringold Formation, Hanford Site, South-Central Washington*, WHC-SD-EN-EE-004, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A., M. P. Connelly, and B. N. Bjornstad, 1991, *Geologic Setting of the 200 West Area: An Update*, WHC-SD-EN-TI-008, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A., 1992, *Geology of the Northern Part of the Hanford Site: An Outline of Data Sources and the Geologic Setting of the 100 Areas*, WHC-SD-EN-TI-011, Westinghouse Hanford Company, Richland, Washington.

Murphy, E. M., J. E. Szecsody, and S. J. Phillips, 1991, *Moisture Content and Recharge Estimates at the Yakima Barricade Borehole*, PNL-SA 20155, Pacific Northwest Laboratory, Richland, Washington.

Myers, C. W., S. M. Price, J. A. Caggiano, M. P. Cochran, W. J. Czimer, N. J. Davidson, R. C. Edwards, K. R. Fecht, G. E. Holmes, M. G. Jones, J. R. Kunk, R. D. Landon, R. K. Ledgerwood, J. T. Lillie, P. E. Long, T. H. Mitchell, E. H. Price, S. P. Reidel, and A. M. Tallman, 1979, *Geologic Studies of the Columbia Plateau: A Status Report*, RHO-BWI-ST-4, Rockwell Hanford Operations, Richland, Washington.

PSPL, 1982, *Skagit/Hanford Nuclear Project, Preliminary Safety Analysis Report*, Vol. 4, App. 2, Amendment 23, Puget Sound Power and Light Company, Bellevue, Washington.

Reidel, S. P., and K. R. Fecht, 1981, "Wanapum and Saddle Mountains Basalt in the Cold Creek Syncline Area," in *Subsurface Geology of the Cold Creek Syncline*, RHO-BWI-ST-14, Rockwell Hanford Operations, Richland, Washington.

Reidel, S. P., 1984, *The Saddle Mountains: The Evolution of an Anticline in the Yakima Belt*, American Journal of Science, Vol. 284, pp. 942-978.

Reidel, S. P., and P. R. Hooper (eds.), 1989, "Volcanism and Tectonism in the Columbia River Flood-Basalt Province," Special Paper 239, *Geological Society of America*, Boulder, Colorado, p. 386.

Reidel, S. P., K. R. Fecht, M. C. Hagood, and T. L. Tolan, 1989, "The Geologic Evolution of the Central Columbia Plateau," in *Volcanism and Tectonism in the Columbia River Flood-Basalt Province*, Special Paper 239, S. P. Reidel and P. R. Hooper (eds.), Geological Society of America, Boulder, Colorado, pp. 247-264.

Reidel, S. P., K. A. Lindsey, and K. R. Fecht, 1992, *Field Trip Guide to the Hanford Site*, WHC-MR-0391, Westinghouse Hanford Company, Richland, Washington.

Rockhold, M. L., M. J. Fayer, G. W. Gee, and M. J. Kanyid, 1990, *Natural Groundwater Recharge and Water Balance at the Hanford Site*, PNL-7215, Pacific Northwest Laboratory, Richland, Washington.

Routson, R. C., 1987, "Impact of Uranium Release (August 6, 1986) to the 216-U-14 Ditch," (internal memo 65631-87-054).

Routson, R. C., and V. G. Johnson, 1990, *Recharge Estimates for the Hanford Site 200 Areas Plateau*, Northwest Science, Vol. 64, No. 3.

Singleton, K. M., 1993, *Groundwater Impact Assessment Plan for the 216-U-14 Ditch*, WHC-SD-EN-AP-111, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Smith, G. A., 1988, *Neogene Synvolcanic and Syntectonic Sedimentation in Central Washington*, Geological Society of America Bulletin, Boulder, Colorado, Vol. 100, pp. 1479-1492.

Smith, G. A., B. N. Bjornstad, and K. R. Fecht, 1989, "Neogene Terrestrial Sedimentation on and Adjacent to the Columbia Plateau; Washington, Oregon, and Idaho," in *Volcanism and Tectonism in the Columbia River Flood-Basalt Province*, Special Paper 239, S. P. Reidel and P. R. Hooper (eds.), Geological Society of America, Boulder, Colorado, pp. 187-198.

Stordeur, R. T., and D. L. Flyckt, 1988, *Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site*, WHC-EP-0196-1, Westinghouse Hanford Company, Richland, Washington.

Swanson, L. C., 1990, *Generic Well Specification, Groundwater Monitoring Wells*, WHC-S-014, Westinghouse Hanford Company, Richland, Washington.

Tallman, A. M., K. R. Fecht, M. C. Marratt, and G. V. Last, 1979, *Geology of the Separations Areas, Hanford Site, South-Central Washington*, RHO-ST-23, Rockwell Hanford Operations, Richland, Washington.

Tallman, A. M., J. T. Lillie, and K. R. Fecht, 1981, *Suprabasalt Sediments of the Cold Creek Syncline Area*, in Subsurface Geology of the Cold Creek Syncline, RHO-BWI-ST-14, C. W. Myers, and S. M. Price, Rockwell Hanford Operations, Richland, Washington.

Tolan, T. L., S. P. Reidel, M. H. Beeson, J. L. Anderson, K. R. Fecht, and D. A. Swanson, 1989, "Revisions to the Extent and Volume of the Columbia River Basalt Group," in *Volcanism and Tectonism in the Columbia River Flood-Basalt Province*, Special Paper 239, S. P. Reidel and P. R. Hooper (eds.), Geological Society of America, Boulder, Colorado, pp. 1-20.

Tyler, D. K., 1991, *A Methodology for Assessing Impacts to Groundwater from Disposal of Liquid Effluent to the Soil at the Hanford Site*, WHC-SD-EN-EV-008, Westinghouse Hanford Company, Richland, Washington.

Ulbright, W. H., Jr., 1987, "Analysis of Samples from the U-14 Ditch and Surrounding Subsoil," (internal memo 65452-87-111).

WHC, 1989, *Waste Stream Characterization Report*, WHC-EP-0287, Westinghouse Hanford Company, Richland, Washington.

WHC, 1990a, *Liquid Effluent Study Final Project Report*, WHC-EP-0367, Westinghouse Hanford Company, Richland, Washington.

WHC, 1990b, *242-S Evaporator Steam Condensate Stream-Specific Report*, WHC-EP-0342, Addendum 29, Westinghouse Hanford Company, Richland, Washington.

WHC-CM-7-7, *Environmental Investigation and Site Characterization Manual*, Westinghouse Hanford Company, Richland, Washington.

9413153.0442

## REFERENCES


1. Healy, J. W., 1953, *Release of Radioactive Wastes to Ground*, HW-28121, Hanford Works, Richland, Washington.

2. Paas, H. J., and K. E. Heid, 1955, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1955*, HW-38562, Hanford Works, Richland, Washington.

3. Heid, K. R., 1956, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1956*, HW-47784, Hanford Works, Richland, Washington.

4. Heid, K. R., 1957, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1956*, HW-48518, Hanford Works, Richland, Washington.

5. Bernard, R. M., *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1957*, HW-53336, Hanford Works, Richland, Washington.

6. Bernard, R. M., 1958, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1957*, HW-55593, Hanford Works, Richland, Washington.

7. Baldridge, K. F., 1958, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1958*, HW-57649, Hanford Works, Richland, Washington.

8. Baldridge, K. F., 1959, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1958*, HW-59359, Hanford Works, Richland, Washington.

9. McConiga, M. W., 1960, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1959*, HW-63646, Hanford Works, Richland, Washington.

10. McConiga, M. W., 1960, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1959*, HW-64375, Hanford Works, Richland, Washington.

11. Henle, R. C., 1961, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1960*, HW-69071, Hanford Works, Richland, Washington.

12. Henle, R. C., 1961, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1960*, HW-69072, Hanford Works, Richland, Washington.

13. Backman, G. E., 1961, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through June 1961*, HW-71971, Hanford Works, Richland, Washington.

14. Backman, G. E., 1962, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1961*, HW-72956, Hanford Works, Richland, Washington.

15. Backman, G. E., 1963, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1962*, HW-76638, Hanford Works, Richland, Washington.

16. Wilson, R. H., 1964, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1963*, HW-80877, Hanford Works, Richland, Washington.

17. Wilson, R. H., 1965, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1964*, BNWC-91, Battelle Northwest, Richland, Washington.

18. McMurray, B. J., 1966, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1965*, ISO-98, International Standards Organization Chemical Processing Division, Richland, Washington.

19. McMurray, B. J., 1967, *Radioactive Contamination in Liquid Wastes Discharged to Ground at the Separations Facilities through December 1966*, ISO-698, International Standards Organization Chemical Processing Division, Richland, Washington.

20. Uebelacker, D. L., 1968, *Radioactive Contamination in Liquid Wastes Discharged to Ground within the Chemical Separations Area Control Zone through 1967*, ARCHO-486, Atlantic Richland Hanford Company, Richland, Washington.

21. Jacobs, M. C., and D. L. Uebelacker, 1969, *Radioactive Contamination in Liquid Wastes Discharged to Ground within the Chemical Separations Area Control Zone through 1968*, ARCHO-459, Atlantic Richland Hanford Company, Richland, Washington.

22. Jacobs, M. C., and D. L. Uebelacker, *Radioactive Contamination in Liquid Wastes Discharged to Ground within the Chemical Separations Area Control Zone through 1968*, ARCHO-1608, Atlantic Richland Hanford Company, Richland, Washington.

23. Jacobs, M. C., and D. L. Uebelacker, 1971, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1970*, ARCHO-2015 Pt. 3, Atlantic Richland Hanford Company, Richland, Washington.

24. Jacobs, M. C., and D. L. Uebelacker, 1972, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1971*, ARCHO-2353 Pt. 3, Atlantic Richland Hanford Company, Richland, Washington.

25. Anderson, J. D., 1973, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1972*, ARCHO-2757 Pt. 3, Atlantic Richland Hanford Company, Richland, Washington.

26. Anderson, J. D., 1974, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1973*, ARCHO-2806 4Q, Atlantic Richland Hanford Company, Richland, Washington.

27. Anderson, J. D., 1975, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1974*, ARCHO-3093 4Q, Atlantic Richland Hanford Company, Richland, Washington.

28. Anderson, J. D., 1976, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1975*, ARCHO-CD-371 4Q, Atlantic Richland Hanford Company, Richland, Washington.

29. Mirabella, J. E., 1977, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1976*, ARCHO-CD-743 4Q, Atlantic Richland Hanford Company, Richland, Washington.

30. Anderson, J. D., 1976, *Input and Decayed Values of Radioactive Liquid Wastes Discharged to Ground in the 200 Areas during 1974*, ARCHO-CD-745, Atlantic Richland Hanford Company, Richland, Washington.

31. Anderson, J. D., and B. E. Porembia, 1978, *Radioactive Liquid Wastes Discharged to the Ground in the 200 Areas during 1977*, RHO-CD-34 4Q, Rockwell Hanford Operations, Richland, Washington.

32. Anderson, J. D., and B. E. Porembia, 1979, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1978*, RHO-CD-78-34 4Q, Rockwell Hanford Operations, Richland, Washington.

33. Sliger, G. L., 1980, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1979*, RHO-CD-79-34 4Q, Rockwell Hanford Operations, Richland, Washington.

34. Aldrich, R. C., and G. L. Sliger, 1981, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1980*, RHO-CD-80-34 4Q, Rockwell Hanford Operations, Richland, Washington.

35. Sliger, G. L., 1982, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1981*, RHO-HS-SR-81-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

36. Sliger, G. L., 1983, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1982*, RHO-HS-SR-82-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

37. Aldrich, R. C., 1984, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1983*, RHO-HS-SR-83-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

38. Aldrich, R. C., 1985, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1984*, RHO-HS-SR-84-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

9413153.0445

39. Aldrich, R. C., 1986, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1985*, RHO-HS-SR-85-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

40. Aldrich, R. C., 1987, *Radioactive Liquid Waste Discharged to the Ground in the 200 Areas during 1986*, RHO-HS-SR-86-3 4QLIQ, Rockwell Hanford Operations, Richland, Washington.

41. Coony, F. M., D. B. Howe, and L. J. Voigt, 1988, "200/600/1100 Areas," *Westinghouse Hanford Company Effluent Releases and Solid Waste Management Report for 1987*, WHC-EP-0141 UC-11, Westinghouse Hanford Company, Richland, Washington.

42. Coony, F. M., and S. P. Thomas, 1989, "200/600 Areas," *Westinghouse Hanford Company Effluent Discharges and Solid Waste Management Report for Calendar Year 1988*, WHC-EP-0141-1, Westinghouse Hanford Company, Richland, Washington.

43. Brown, M. J., R. K. P'Pool, and S. P. Thomas, 1990, "200/600 Areas," *Westinghouse Hanford Company Effluent Discharges and Solid Waste Management Report for Calendar Year 1989*, WHC-EP-0141-2, Westinghouse Hanford Company, Richland, Washington.

44. Environmental Assurance, 1992, *Environmental Releases for Calendar Year 1990*, WHC-EP-0527, Westinghouse Hanford Company, Richland, Washington.

45. Environmental Assurance, 1992, WHC-EP-0527-1, *Environmental Releases for Calendar Year 1991*, Westinghouse Hanford Company, Richland, Washington.

46. Last, G. V., 1981, *216-U-10 Pond and 216-Z-19 Ditch Characterization Studies*, RHO-ST-0045, Westinghouse Hanford Company, Richland, Washington.

47. Toebe, W. E., L. L. L. Adams, D. C. Hedengren, 1990, *$UO_3$/U Plant Wastewater Stream-Specific Report*, WHC-EP-0342, Addendum 7, Westinghouse Hanford Company, Richland, Washington.

48. Staff, 1990, *242-S Evaporator Steam Condensate Stream-Specific Report*, WHC-EP-0342, Addendum 29, Tank Farms Environmental Engineers, Westinghouse Hanford Company, Richland, Washington.

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9413153.0147

# APPENDIX A

# GEOLOGIC SUMMARY AND AS-BUILT

9413152.0148

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9413130.0449

## WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: L. Bultena
Drilling Company: Not documented
Date Started: 12Mar80

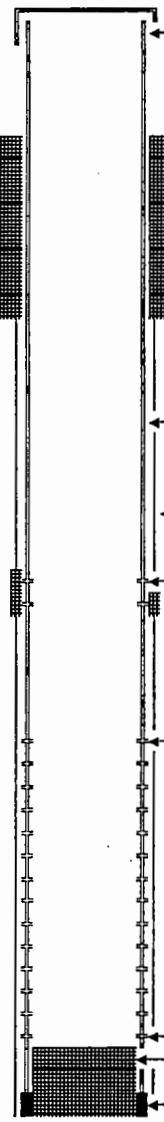
Sample Drive barrel Method: Hard tool
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 25Apr80

WELL NUMBER: 299-W18-15
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 36,990 E/W W 77,152
State Coordinates: N 442,094 E 2,218,078
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 659.5 Estimated

Depth to water: 188-ft Apr80
(Ground surface) 194.5-ft 07Dec92

GENERALIZED STRATIGRAPHY — Geologist's Log (Several)

0↔8: SAND
8↔10: Gravelly SAND
10↔14: SAND
14↔15: Gravelly SAND
15↔20: Silty sandy GRAVEL
20↔23: Silty SAND to SAND
23↔29: Sandy GRAVEL
29↔98: SAND
98↔101: Silty SAND
101↔105: SAND
105↔107: Slightly gravelly silty SAND
107↔110: Slightly gravelly SAND
110↔115: Sandy GRAVEL (Perched water?)
115↔119: SAND
119↔131: SILT
131↔140: Sandy SILT
140↔145: Silty SAND
145↔150: Silty sandy GRAVEL
150↔155: Sandy COBBLES
155↔165: Sandy PEBBLES
165↔170: Not documented
170↔175: vc↔mSAND
175↔180: Silty sandy GRAVEL (Water at ~175-ft)
180↔190: Slightly silty SAND (Matrix of GRAVEL?)
190↔194: Silty sandy GRAVEL
194↔206: Sandy GRAVEL
206↔220: Gravelly↔sl gravelly SAND
220↔225: Slightly silty gravelly SAND
225↔230: Silty sandy GRAVEL
230↔235: Gravelly silty SAND
235↔240: Slightlty silty gravelly SAND
240↔246: Sandy GRAVEL
246 : Slightly silty SAND



Elevation of reference point: [660.76-ft] (top of casing)
Height of reference point above ground surface [1.3-ft]
Depth of surface seal [20.0-ft]
Type of surface seal: Cement grout around 8-in casing
I.D. of surface casing [ND] (If present)
11-in nominal hole to 20-ft
I.D. of riser pipe: [8-in]
Type of riser pipe: Carbon steel
Diameter of borehole: [9-in nom]
Set plug at 195-ft
Perforated 137↔140-ft. Filled hole with cement and pressured with mud pump. Drilled cement out to bottom.
Depth top of perforations: [170.0-ft]
Description of perforations: Perforations done after pressure grouting of 137↔140-ft zone
Bottom of perforations: [243-ft]
Cement plug ~243↔248-ft
Depth bottom of casing: [248.0-ft]
Depth bottom of borehole: [248.0-ft]

Drawing By: RKL/2W18-15.ASB Date: 19Apr93
Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Garcia
Drilling Company: Onwego Drilling
Date Started: 09May86

Sample Method: Drive barrel
Hard tool
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Kennewick,WA
Date Complete: 02Jul86

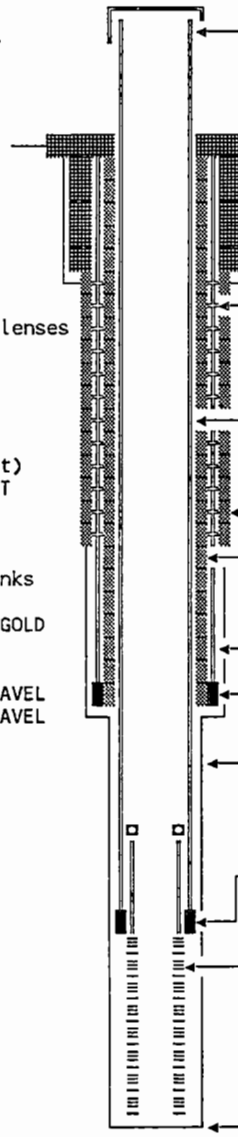
WELL NUMBER: 299-W19-21
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 37,462 E/W W 75,273
State Coordinates: N 442,571 E 2,219,956
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 676.95 Brass cap

Depth to water: 201-ft Jun86
(Ground surface) 211.2-ft 07Dec92

GENERALIZED STRATIGRAPHY Summarization of % fractions — Geologist's Log

5↔20: Gravelly f-vc SAND
20↔25: m-vc SAND
25↔30: mostly m SAND
30↔55: Sandy GRAVEL
55↔65: Mostly c-vc SAND
65↔70: m-vc SAND
70↔75: m-c SAND
75↔80: vf-m SAND w/f SAND & SILT lenses
80↔85: m-c SAND
85↔90: vf sandy SILT
90↔110: Silty vf-f SAND
110↔115: Silty vf-m SAND w/ROCK
115↔135: Slightly silty vf-m SAND
(Standing water at 119-ft)
135↔140: Silty CLAY to clayey SILT
140↔147: Sandy CLAY/SILT
150 : f-m SAND
155 : Silty vf-f SAND
157 : Silty SAND w/CALICHE chunks
160 : Heaving silty f-c SAND
166 : Sandy GRAVEL, middle RINGOLD
170 : Sandy GRAVEL
175 : Silty, sandy GRAVEL
180,185: Slightly silty, sandy GRAVEL
190,195: Slightly silty, sandy GRAVEL
200, : Sandy GRAVEL
205,210: Silty, sandy GRAVEL
215 : Sandy GRAVEL
220 : Silty sandy GRAVEL
225 : Silty, gravelly vc SAND

GEOLOGIST'S NOTE:
Perched water zone at 70↔75-ft after perforating.



Elevation of reference point: [678.53-ft] (top of casing)
Height of reference point above ground surface [1.58-ft]
Depth of surface seal [20-ft]
Type of surface seal: Bentonite grout between 6&8-in casing; Cement-bentonite outside 8-in
I.D. of surface casing [10-in Pulled]
8-in casing perforated 20↔80-ft 2 cuts/rd/ft
I.D. of riser pipe: [6-in]
Type of riser pipe: Carbon steel
Diameter of borehole: [9-in nom]
Type of filler: Bentonite slurry
Type of seal: Not documented
Bottom 8-in casing [157-ft]
Diameter of borehole: [7-in nom]
Bottom 6-in casing [201-ft]
6-in telescoping screen 201↔226-ft, 10-slot
blank section 191↔201-ft installed with packer
Depth bottom of borehole: [226-ft]

Drawing By: RKL/2W19-21.ASB Date: 20Apr93
Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

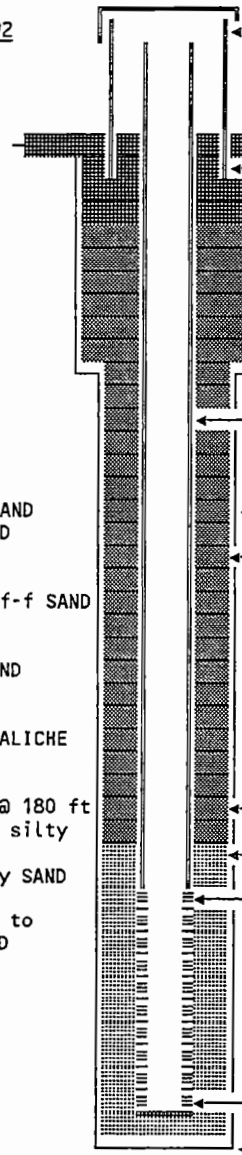
| | |
|---|---|
| Drilling Method: Cable tool | Sample Drive barrel Method: Hard tool |
| Drilling Fluid Used: Water | Additives Used: Not documented |
| Driller's Name: Cordon | WA State Lic Nr: Not documented |
| Drilling Company: Associated Drilling | Company Location: Not documented |
| Date Started: 02Apr87 | Date Complete: 01May87 |

| | |
|---|---|
| WELL NUMBER: 299-W19-27 | TEMPORARY WELL NO: |
| Hanford Coordinates: N/S N 37,629 | E/W W 75,072 |
| State Coordinates: N 442,738 | E 2,220,157 |
| Start Card #: Not documented | T ___ R ___ S ___ |
| Elevation Ground surface (ft): 680.55 Brass cap | |

Depth to water: 208-ft Apr87
(Ground surface) 215.0-ft 07Dec92

GENERALIZED STRATIGRAPHY — Geologist's Log

5: Silty, gravelly vf-m SAND
10: Sandy GRAVEL
15: Gravelly SAND
20: Slightly silty SAND
25: Slightly silty sandy GRAVEL
30: Slightly silty vf-m SAND
35: Slightly silty sandy GRAVEL
40: Sandy GRAVEL
45: Slightly silty sandy GRAVEL
50: Silty sandy GRAVEL
55, 60, 65: Sandy GRAVEL
70,75: Gravelly m-c SAND
80: Slightly gravelly m-c SAND
85: Slightly gravelly f-c SAND
90: f-m SAND
95: Slightly silty vf-f to f-c SAND
100: Silty vf-f SAND, 105: m SAND
110: Slightly silty vf-f SAND
115: vf-f SAND
120: Silty vf SAND-mica. silty vf-f SAND
125: Slightly silty m-c SAND
130: Slightly silty f-m SAND
135, 140: Slightly silty vf-m SAND
145: Sandy SILT to silty vf SAND
150,155: Silty vf SAND w/CALICHE
160: Slightly silty f-m SAND w/CALICHE
162: No sample (basaltic GRAVEL)
165, 170: Clayey basaltic GRAVEL
175, 180: Sandy GRAVEL (BOULDER @ 180 ft
185, 190, 195, 200, 205: Slighty silty sandy GRAVEL
210, 215: Slightly silty gravelly SAND
220: Gravelly f-c SAND
225: Slightly silty sandy GRAVEL to slightly silty gravelly SAND
230: GRAVEL



- Elevation of reference point: [683.65-ft] (top of 10-in casing)
- Height of reference point above ground surface [3.10-ft]
- Depth of surface seal [0↔21-ft]
- 6-ft of 10-in casing left in hole
- Type of surface seal: 4-ftx4-ft surface pad; Cement grout to 21-ft
- I.D. of surface casing (If present) [10-in] Pulled
- 11-in nominal hole to 101-ft
- I.D. of riser pipe: [5-in]
- Type of riser pipe: Stainless steel
- Diameter of borehole: [9-in nom]
- Type of filler: Granular bentonite
- No plug documented
- Depth top of sand pack: [ND] 8↔12 mesh
- Depth top of screen: [208-ft] 5-in, #20-slot stainless steel
- Depth bottom of screen [228-ft]
- Depth bottom of borehole: [230-ft]

Drawing By: RKL/2W19-27.ASB Date: 20Apr93

Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Raw water
Driller's Name: L Bultena/B Strode, D Ludtke/M Thoresen
Drilling Company: Kaiser Engineers
Date Started: 08Nov89

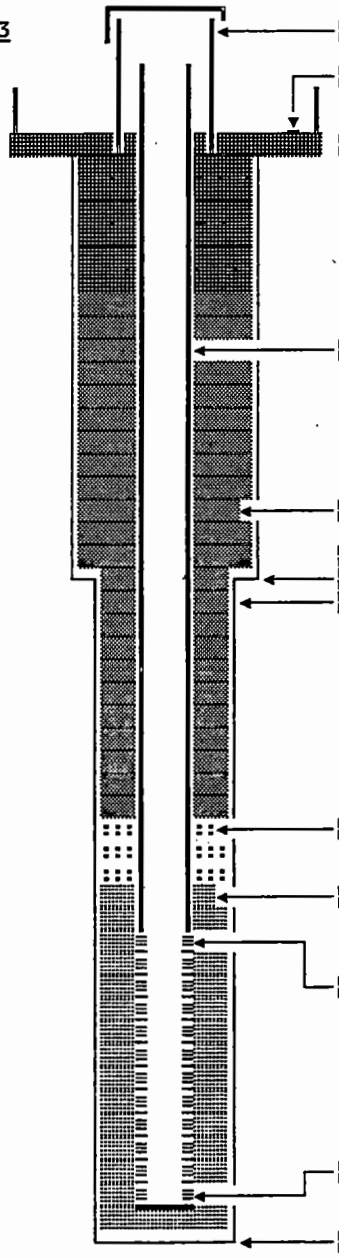
Sample Drive barrel Method: Hard tool
Additives Used: None
WA State Lic Nr: Not documented
Company Location: Hanford
Date Complete: 03Jan91

WELL NUMBER: 299-W19-32
TEMPORARY WELL NO: None
Hanford Coordinates: N/S N 37,887 E/W W 75,459
State NAD83 Coordinates: N 135,009.29m E 566,896.55m
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 671.92 Brass cap

Depth to water: 202.4-ft Nov90
(Ground surface) 206.5-ft 26Mar93

GENERALIZED STRATIGRAPHY Log
Geologist's Sl=slightly

0↔5: (Not documented)
5↔15: Sandy GRAVEL
15↔17.5: Gravelly SAND
▲(Drilling stopped 10Nov89)▲
▼(Drilling resumed,22Oct90)▼
17.5↔22.5: Gravelly SAND
22.5↔23: Sandy SILT
23↔41: Sandy GRAVEL
41↔43: Gravelly SAND
43↔47: Sandy GRAVEL
47↔65: Sl gravelly SAND
65↔80: SAND
80↔85: Sl gravelly SAND
85↔90: SAND
90↔95: Sl silty SAND
95↔110: Sl gravelly SAND
110↔132: SAND
132↔133: SILT
133↔140: Sandy SILT
140↔145: SAND
145↔150: Sl silty SAND (CALICHE @ 145-ft)
150↔200: Sandy GRAVEL
200↔223.1: Silty sandy GRAVEL



Elevation of reference point: [674.90-ft] (top of casing)
Height of reference point above ground surface [2.98-ft]
Depth of surface seal [0↔20.3-ft]
Type of surface seal: Pre-mix concrete 4x4-ft x 6-in surface pad to 3.1-ft
4 equidistant protective posts
Cement grout, 3.1↔20.3-ft
I.D. of riser pipe: [4-in]
Type of riser pipe: Stainless steel
8↔20-mesh Bentonite crumbles, 20.3↔190.0-ft
Diameter of borehole, 0↔140.3-ft, 11-in nominal
135.9↔223.1-ft, 9-in nominal
Depth top of seal: [190.0-ft]
Type of seal: 3/8↔1/2-in bentonite pellets
Depth top of sand pack: [195.4-ft]
20↔40-mesh silica sand
Depth top of screen: [201.7-ft]
4-in, #10-slot, stainless steel with channel pack
Depth bottom of screen [222.4-ft]
Depth to bottom of borehole: [223.1-ft]

Drawing By: RKL/2W19-32.ASB Date: 20Apr93
Reference: WHC-SD-EN-DP-041

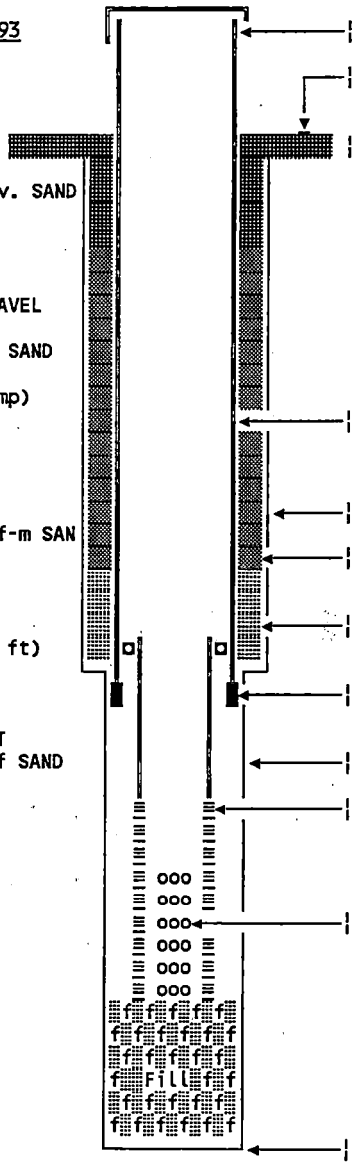
## WELL CONSTRUCTION AND COMPLETION SUMMARY

| | | | |
|---|---|---|---|
| Drilling Method: Cable tool | Sample Drive barrel Method: Hard tool | WELL NUMBER: 299-W19-91 | TEMPORARY WELL NO: |
| Drilling Fluid Used: Water | Additives Used: Not documented | Hanford Coordinates: N/S N 37,617 | E/W W 75,269 |
| Driller's Name: Cordon | WA State Lic Nr: Not documented | State Coordinates: N 442,726 | E 2,219,960 |
| Drilling Company: Associated Drilling | Company Location: Not documented | Start Card #: Not documented | T___ R___ S___ |
| Date Started: 11Mar87 | Date Complete: 01Apr87 | Elevation Ground surface (ft): 675.42 Brass cap | |

Depth to water: 102-ft Apr87
(Ground surface) 110.6-ft 09Mar93

GENERALIZED STRATIGRAPHY — Geologist's Log

5: Silty gravelly SAND
10: Silty vf SAND to silty, grav. SAND
15, 20: c-vc SAND
25: Silty vf-f SAND
30: Slightly silty sandy GRAVEL
35: Sandy GRAVEL
40, 45: Slightly silty sandy GRAVEL
50: Silty sandy GRAVEL
55: Slightly silty gravelly m-c SAND
60: Gravelly c-vc SAND
63↔63.5: Silty vf SAND (very damp)
65: m-c SAND
70: c-vc SAND
72: 2 in silty vf-f SAND (wet)
75: m-c SAND, 80: m SAND
85: Silty vf-f SAND
90: Silty vf-f>slightly silty vf-m SAN
95: Slightly silty vf-m SAND
100: Silty vf-f SAND
105, 110: Slighlty silty SAND
115: m-c SAND,
(Hit water between 110-115 ft)
120: Silty SAND
125: Silty f-c SAND
130: Silty vf-m SAND
135: Silty vf SAND to sandy SILT
140, 145: Sandy SILT to silty vf SAND
150: Silty vf SAND




- Elevation of reference point: [677.90-ft] (top of casing)
- Height of reference point above ground surface [2.48-ft]
- Depth of surface seal [0↔18-ft]
- Type of surface seal: Cement grout outside 8-in casing
- I.D. of surface casing (If present) [ND]
- I.D. of riser pipe: [8-in]
- Type of riser pipe: Carbon steel
- Diameter of borehole to 101-ft: [11-in nom]
- Type of filler: Granular bentonite
- Sand plug, top not documented 8↔12 mesh
- Bottom 8-in casing [105-ft]
- Diameter of borehole: [9-in nom]
- 8-in telescoping screen 109↔119-ft, #10-slot, stainless blank section 99↔109-ft, 6-in carbon steel w/packer
- Gravel packed inside telescoping screen
- Depth bottom of borehole: [150-ft]

Drawing By: RKL/2W19-91.ASB Date: 20Apr93

Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

| | |
|---|---|
| Drilling Method: Cable tool | Sample Drive barrel Method: Hard tool |
| Drilling Fluid Used: Water | Additives Used: Not documented |
| Driller's Name: Amos | WA State Lic Nr: Not documented |
| Drilling Company: Associated Drilling | Company Location: Not documented |
| Date Started: 11Mar87 | Date Complete: 01Apr87 |

WELL NUMBER: 299-W19-92 TEMPORARY WELL NO:

Hanford Coordinates: N/S N 37,492 E/W W 75,319

State Coordinates: N 442,600 E 2,219,910

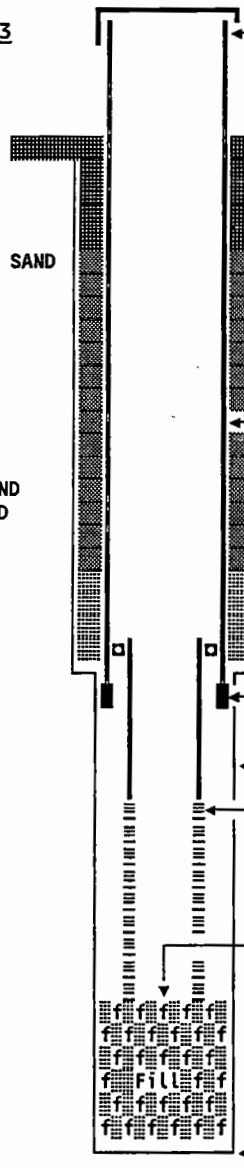
Start Card #: Not documented T___ R___ S___

Elevation Ground surface (ft): 676.0 Estimated

Depth to water: 103-ft Apr87
(Ground surface) 110.0-ft 09Mar93

GENERALIZED STRATIGRAPHY — Geologist's Log

5: Silty gravelly SAND
10: Sandy GRAVEL
11: 2 in of silty vf-f SAND
15: Slightly gravelly c-vc SAND
20: c-vc SAND, 25: Gravelly c-vc SAND
29: Silty vf-f & silty gravelly m-vc SAND W/CALICHE (wet)
30: Sandy silty GRAVEL
35: Silty vf-f SAND
40: Slightly silty sandy GRAVEL
45: Silty sandy GRAVEL
50, 55: Gravelly c-vc SAND
60: Gravelly c SAND
65, 70: m-c SAND
74↔76: Silty vf-f to silty vf SAND
80: f-m SAND, 85: Silty vf-f SAND
90: Silty vf-f SAND
95: Slightly silty m-c SAND
100: Slightly silty vf-m SAND
105: Silty vf-m SAND
110: Slightly silty SAND
115, 120, 125: Slightly silty vf-m SAND (Water at 108.5 ft)
130, 135: Silty vf-m SAND w/SILT
140: Silty vf SAND to sandy SILT
145: Silty vf SAND w/chunks of sandy SILT
150: Sandy SILT




- Elevation of reference point: [677.90-ft] (top of casing)
- Height of reference point above ground surface [1.9-ft]
- Depth of surface seal [0-18?-ft]
- Type of surface seal: 4-ft x 4-ft surface pad Cement grout outside 8-in casing (not well documented)
- I.D. of riser pipe: [8-in]
- Type of riser pipe: Carbon steel
- Diameter of borehole to 102-ft: [11-in nom]
- Type of filler: Granular bentonite
- Sand plug Assumed, not well documented
- Bottom 8-in casing [111-ft]
- Diameter of borehole: [9-in nom]
- 8-in telescoping screen 113↔123-ft, #10-slot, stainless blank section 101↔113-ft, 6-in carbon steel w/packer @ 100.5-ft
- Depth to bottom, 122.1-ft, 02May91
- Depth bottom of borehole: [150-ft]

Drawing By: RKL/2W19-92.ASB Date: 20Apr93

Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

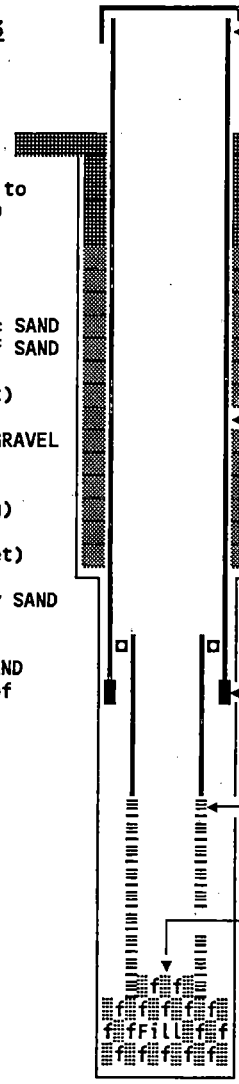
| | |
|---|---|
| Drilling Method: Cable tool | Sample Drive barrel Method: Hard tool |
| Drilling Fluid Used: Water | Additives Used: Not documented |
| Driller's Name: Amos | WA State Lic Nr: Not documented |
| Drilling Company: Associated Drilling | Company Location: Not documented |
| Date Started: 02Apr87 | Date Complete: 20Apr87 |

| | |
|---|---|
| WELL NUMBER: 299-W19-93 | TEMPORARY WELL NO: |
| Hanford Coordinates: N/S N 37,289 | E/W W 75,431 |
| State Coordinates: N 442,397 | E 2,219,798 |
| Start Card #: Not documented | T R S |
| Elevation Ground surface (ft): 675.0 Estimated | |

Depth to water: 70-ft Apr87
(Ground surface) 94.0-ft 09Mar93

GENERALIZED STRATIGRAPHY — Geologist's Log

5: Slightly silty sandy GRAVEL
10: Slightly silty sandy GRAVEL to slightly silty gravelly SAND
15: Slightly gravelly SAND
20: Gravelly c-vc SAND
25: c-vc SAND (Water at 28 ft)
30: Slightly silty gravelly c-vc SAND
35: Silty vf>slightly silty vf-f SAND
40: Slightly silty sandy GRAVEL
44: Silty sandy GRAVEL (very wet)
45: Silty sandy GRAVEL
50: Slightly silty>silty sandy GRAVEL
55: Silty sandy GRAVEL
60: Gravelly c-vc SAND
65: Silty gravelly SAND (heaving)
70: m-c SAND (saturated)
75: Slightly silty vf-f SAND (wet)
80: m-c SAND, 85: c SAND
90: f-m SAND, 95: Slightly silty SAND
100: f-c SAND, 105: m-c SAND
110: Slightly silty f-c SAND
115, 120: Slighlty silty vf-m SAND (stopped drilling because of heaving sand)




- Elevation of reference point: [677.43-ft] (top of casing)
- Height of reference point above ground surface [2.45-ft]
- Depth of surface seal [0↔18-ft]
- Type of surface seal: 4-ft by 4-ft surface pad, Cement grout outside 8-in casing
- I.D. of riser pipe: [8-in]
- Type of riser pipe: Carbon steel
- Diameter of borehole to 85-ft: [11-in nom]
- Type of filler: Granular bentonite
- Bottom 8-in casing [101-ft]
- Diameter of borehole: [9-in nom]
- 8-in telescoping screen 105↔115 ft, #10-slot, stainless blank section 95↔105-ft, 6-in carbon steel w/packer @-95 ft
- Depth to bottom, 113.2-ft, 02May91
- Depth bottom of borehole: [120-ft]

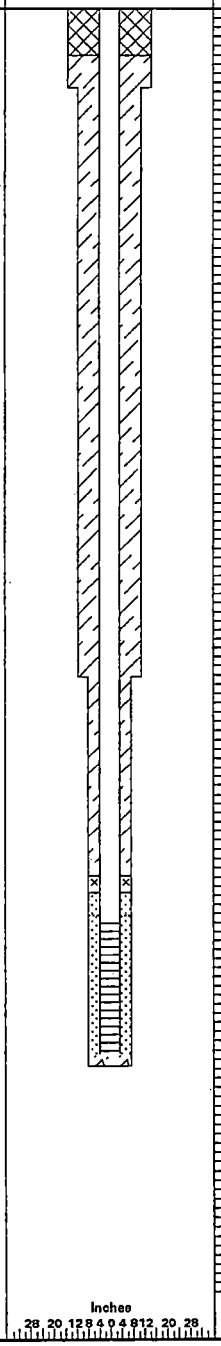
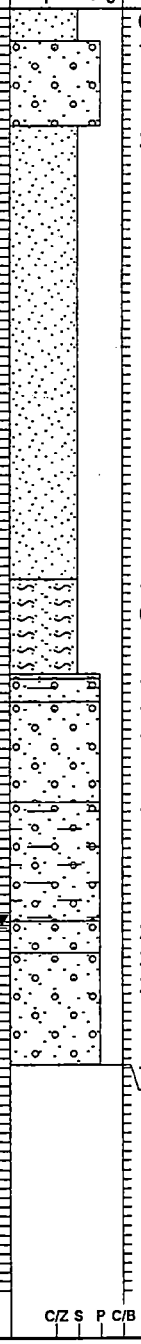
Drawing By: RKL/2W19-93.ASB Date: 20Apr93

Reference: HANFORD WELLS

# WELL SUMMARY SHEET

Boring or Well No. 299-W18-33
Northing Easting
Sheet 1 of 1

Location 216-U-14 Ditch
Project W-0152
Elevation 666.0 BC
Drilling Contractor KEH
Driller KEH-L. Watkins
Drilling Method and Equipment Cable Tool HO-22-5659
Prepared by M. Mehlhorn (Sign/Print Name)
Reviewed By (Sign/Print Name)
Date 6-28-93

| CONSTRUCTION DATA | | Depth in Feet | GEOLOGIC/HYDROLOGIC DATA | |
|---|---|---|---|---|
| Description | Well Construction | | Graphic Log | Lithologic Description |
| Cement grout 2.5' to 10.2'<br>17.66' of 16" temporary cs casing set @ 17.11'<br>Stainless steel riser 198.47' bgs to 1.3' ags<br>147.69" of 12" cs temporary casing set @ 146.39'<br>Bentonite crumbles 10.2' to 189.7'<br>1/4" bentonite pellets 189.7' to 193.4'<br>20 slot ss screen 198.47' to 228.82'<br>10-20 silica sand 193.4' to 229.76'<br>235.00' of 8" cs temporary casing set @ 231.46'<br>Hole slough 229.76' to 231.46'<br>*All cs temporary casing removed from well |  | 10<br>20<br>30<br>40<br>50<br>60<br>70<br>80<br>90<br>100<br>110<br>120<br>130<br>140<br>150<br>160<br>170<br>180<br>190<br>200<br>210<br>220<br>230<br>240<br>250<br>260<br>270<br>280 |  | 0-7' Sand<br>7-25.5' sandy Gravel<br>25.5-125' Sand<br>125-146' interbedded sands and silts (Touchet beds)<br>146-147' sandy Gravel<br>147-152' silty sandy Gravel<br>152-174' sandy Gravel<br>174-200' silty sandy Gravel<br>200.85 Static Water Level<br>200-207' sandy Gravel<br>207-231.46 sandy Gravel<br>Total Depth - 231.46 |

# WELL SUMMARY SHEET

Boring or Well No. 299-W18-250
Northing Easting
Sheet 1 of 1

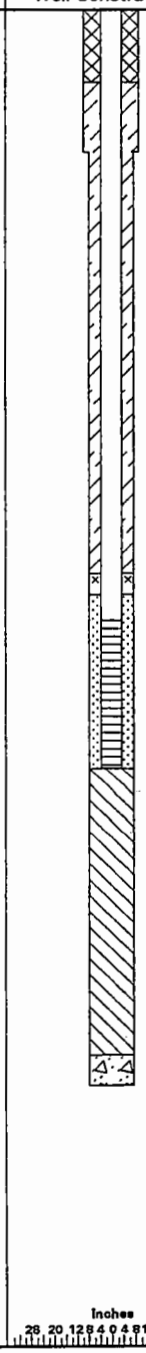
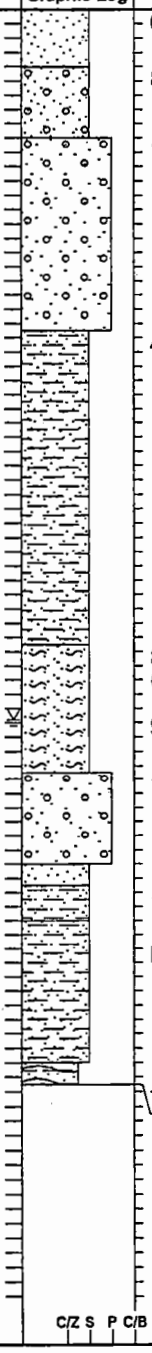
Location 216-U-14 Ditch
Project W-0152
Elevation 665.8 BC
Drilling Contractor KEH
Driller KEH-L. Watkins
Drilling Method and Equipment Cable Tool HO-22-14101
Prepared by M. Mehlhorn (Sign/Print Name)
Reviewed By (Sign/Print Name)
Date 5-7-93

| CONSTRUCTION DATA | | Depth in Feet | GEOLOGIC/HYDROLOGIC DATA | |
|---|---|---|---|---|
| Description | Well Construction | | Graphic Log | Lithologic Description |
| Cement grout 1.51' to 8.6' | | 10 | | 0-7' Sand<br>7-16' gravelly sand |
| 21.58' of 10" cs temporary casing set @ 21.04' | | 20 | | 16-41' sandy Gravel |
| Stainless steel riser 55.3'bgs to 2.8' ags | | 30 | | |
| | | 40 | | 41-55' silty Sand |
| Bentonite crumbles 8.6' to 48.2' | | 50 | | |
| 1/4" bentonite pellets 48.2' to 51.5' | | | | 55-63' Sand |
| 20-40 silica sand 51.5' to 66.8' | | 60 | | |
| 61.66' of 8" cs temporary casing set @ 59.96 | | | | 63-67.7' Sand w/silty sand laminations |
| Hole slough 66.8' to 67.7' | | | | Touchet (?) |
| | | | | 63.9' Perched Water Level |
| * All cs temporary casing removed from well | | 70 | | |
| | Inches 28 20 12 8 4 0 4 8 12 20 28 | 80 | C/Z S P C/B | |

# WELL SUMMARY SHEET

Boring or Well No. 299-W18-251
Northing Easting
Sheet 1 of 1

Location 216-U-14 Ditch
Project W-0152
Elevation 665.0 BC
Drilling Contractor KEH
Driller KEH-D. Ludke
Drilling Method and Equipment Cable Tool HO-22-5305
Prepared by MD Sweeney (Sign/Print Name)
Reviewed By (Sign/Print Name)
Date 5-5-93

| CONSTRUCTION DATA | | Depth in Feet | GEOLOGIC/HYDROLOGIC DATA | |
|---|---|---|---|---|
| Description | Well Construction | | Graphic Log | Lithologic Description |
| Cement grout 1.5' to 10.1' |  | 10 |  | 0-8' Sand<br>8-18' pebbly Sand |
| 20.23' of 10" cs temporary casing set @ 19.96' | | 20 | | 18-45' sandy Gravel |
| | | 30 | | |
| | | 40 | | |
| | | 50 | | 45-89' silty Sand |
| Stainless steel riser 108.6' bgs to 2.55 ags | | 60 | | |
| | | 70 | | |
| Bentonite crumbles 10.1' to 78.9'<br>1/4" bentonite pellets 78.9' to 81.9' | | 80 | | |
| | | 90 | | 89-107' interbedded sands and silts (Touchet beds) |
| 10 slot ss screen 85.5' to 106.1'<br>20-40 silica sand 81.9' to 106.3' | | 100 | | 99.3' Perched Water Level |
| | | 110 | | 107-120' sandy pebble/cobble Gravel |
| | | 120 | | 120-123' coarse Sand<br>123-128 silty Sand |
| Bentonite plug 106.3' to 146.8' | | 130 | | 128-148' silty Sand<br>Increasing silt (40%) |
| | | 140 | | |
| 155.4' of 8" cs temporary casing set @ 146.7'<br>Hole slough 151' to 146.8' | | 150 | | 148-151' Caliche<br>Total Depth - 151' |
| | | 160 | | |
| *All cs temporary casing removed from well | | 170 | | |
| | Inches 28 20 12 8 4 0 4 8 12 20 28 | 180 | C/Z S P C/B | |

# WELL SUMMARY SHEET

Boring or Well No. 299-W23-16
Northing Easting
Sheet 1 of 1

Location 216-U-14 Ditch
Project W-0152
Elevation 670.7 BC
Drilling Contractor KEH
Driller KEH-K. Olsen
Drilling Method and Equipment Cable Tool HO-22-5659
Prepared by MD Sweeney/DJ Anderson (Sign/Print Name)
Reviewed By (Sign/Print Name)
Date 6-15-93

## CONSTRUCTION DATA

### Description

Cement grout 2.0' to 8.3'

18.91' of 16" cs temporary casing set @ 18.31'

Stainless steel riser 202.98' bgs to 1.7' ags

Bentonite crumbles 8.3' to 197.6'
150.79' of 12" cs temporary casing set @ 147.79'
157.4' of 10" cs temporary casing set @ 155.1'

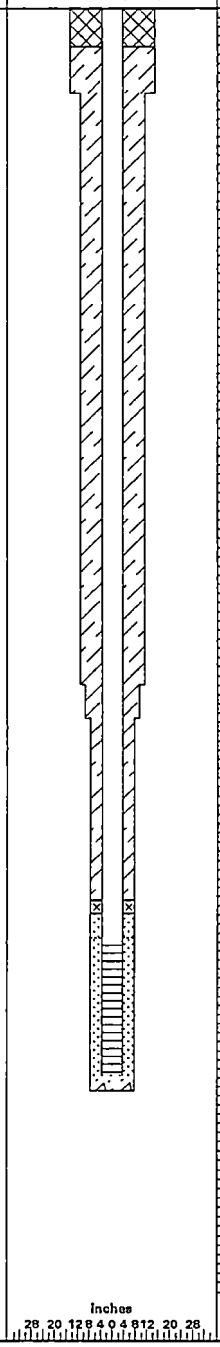
3/8" bentonite pellets 194.8' to 197.6'

20 slot ss screen 202.98' to 233.5'

10-20 silica sand 233.9' to 197.6'
242.75' of 8" cs temporary casing set @ 236.0'
Hole slough 233.7' to 233.9'

*All cs temporary casing removed from well

### Well Construction

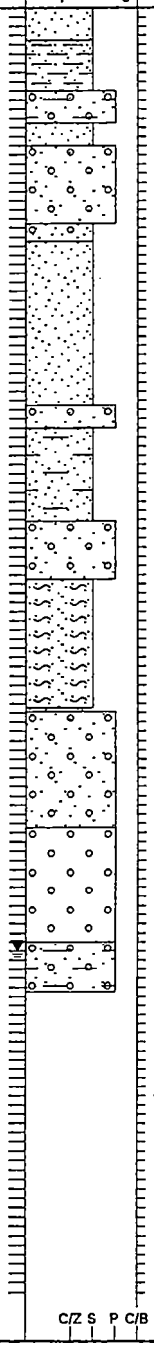



### Depth in Feet

10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280

## GEOLOGIC/HYDROLOGIC DATA

### Graphic Log



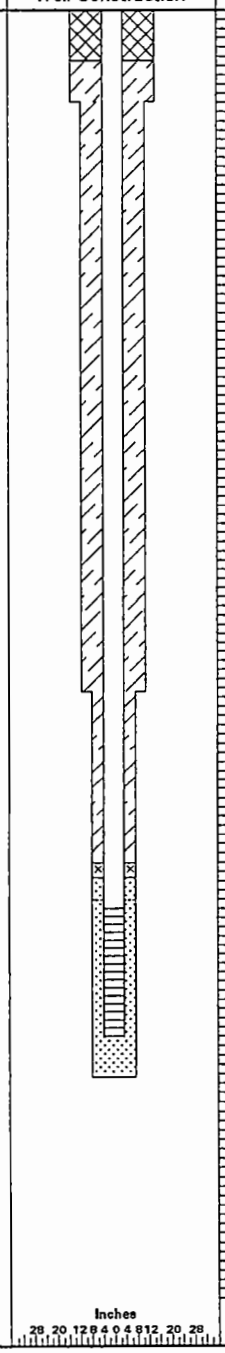
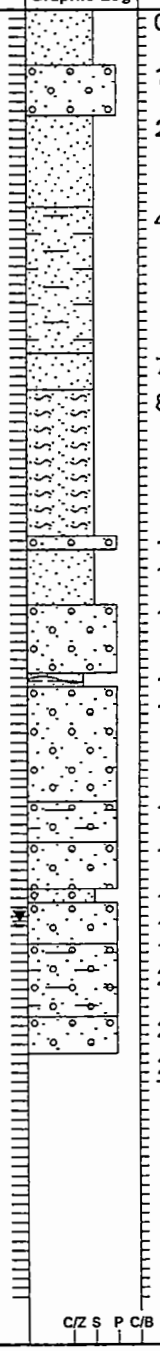

### Lithologic Description

0-7' Sand w/pebble lag
7-18' slightly silty Sand
18-25 silty sandy Gravel
25-30' Sand
30-47' sandy Gravel
47-51' slightly gravelly sand
51-87' Sand
87-92' sandy Gravel
92-112.5' Sand (minor silt)
112.5-125' sandy Gravel
125-153' silty Sand
Touchet (?)
153-153.7 Caliche
153.7-179 sandy Gravel
179-204 Gravel
204-215' silty sandy Gravel
206' Static Water Level
215-237' Gravel
Total Depth - 237' .M=PCB T=1

# WELL SUMMARY SHEET

Boring or Well No. 299-W23-17
Northing Easting
Sheet 1 of 1

Location 216-U-14 Ditch
Project W-0152
Elevation 663.0 BC
Drilling Contractor KEH
Driller KEH-L. Watkins
Drilling Method and Equipment Cable Tool HO-22-5659
Prepared by M. Mehlhorn (Sign/Print Name)
Reviewed By (Sign/Print Name)
Date 6-11-93

| CONSTRUCTION DATA | | Depth in Feet | GEOLOGIC/HYDROLOGIC DATA | |
|---|---|---|---|---|
| Description | Well Construction | | Graphic Log | Lithologic Description |
| Cement grout 2.0' to 11.0'<br>20.5' of 16" cs temporary casing set @ 19.85'<br>Stainless steel riser 194.3' bgs to 3.5' ags<br>150.57' of 12" cs temporary casing set @ 148.87'<br>Bentonite crumbles 11.0' to 186.2'<br>1/2" bentonite pellets 186.2' to 189.3'<br>20 slot ss screen 194.3' to 224.4'<br>10-20 silica sand 189.3' to 232.2'<br>Hole slough 232.2' to 232.8'<br>*All cs temporary casing removed from well |  | 10<br>20<br>30<br>40<br>50<br>60<br>70<br>80<br>90<br>100<br>110<br>120<br>130<br>140<br>150<br>160<br>170<br>180<br>190<br>200<br>210<br>220<br>230<br>240<br>250<br>260<br>270<br>280 |  | 0-12' Sand<br>12-23' sandy Gravel<br>23-43' Sand<br>43-75' slightly silty sand<br>75-83' Sand<br>83-115' interbedded silts and silts<br>115-118' sandy Gravel<br>118-130' Sand<br>130-145' sandy Gravel<br>145-148' Caliche<br>148-173' sandy Gravel<br>173-182' silty sandy Gravel<br>182-192' sandy Gravel<br>192-195' gravelly Sand<br>195-204' sandy Gravel<br>199.06 Static Water Level<br>204-220' silty sandy Gravel<br>220-228' sandy Gravel<br>228-232.8 silty sandy Gravel<br>Total Depth - 232.8' .M=SISPC T=1 |

## WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Not documented
Driller's Name: Row/Roberts
Drilling Company: Not documented
Date Started: 15Apr57

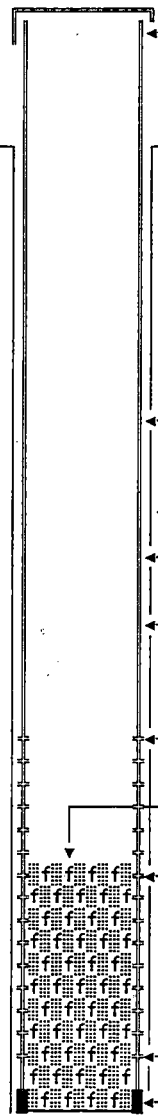
Sample Method: Hard tool (nom)
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Not documented
Date Complete: 02May57

WELL NUMBER: 299-W19-1
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 37,613 E/W W 75,491
State NAD83 N 134,925.91m 566,887.27m
Coordinates: N 442,721 E 2,219,738
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 672.17 Brass caped

Depth to water: 204-ft May57
(Ground surface) Dry 08Dec92

GENERALIZED STRATIGRAPHY — Driller's Log

0↔10: TOP SOIL, SAND, GRAVEL & SILT
10↔25: GRAVEL & BOULDERS
25↔30: SAND, GRAVEL & SILT
30↔40: GRAVEL
40↔45: SAND & GRAVEL
45↔50: GRAVEL
50↔55: GRAVEL & SAND
55↔70: SAND & SILT
70↔75: SAND, GRAVEL & SILT
75↔150: SAND & SILT
150↔155: SILT, SAND, CALICHE & GRAVEL
155↔198: GRAVEL & SAND
198↔210: SAND, BOULDERS & GRAVEL
210↔215: SAND & GRAVEL
215↔230: SAND, GRAVEL & SILT
230↔240: GRAVEL, SAND, SILT & CONGLOMERATION
240↔245: BOULDERS, GRAVEL, SAND, SILT & CONGLOMERATION
245↔260: SAND & GRAVEL
260↔275: SAND, GRAVEL & SILT
275↔285: MUCK
285↔301: SAND & GRAVEL



Elevation of reference point: [673.77-ft] (top of casing)
Height of reference point above ground surface [1.60-ft]
Depth of surface seal [ND]
Type of surface seal: None documented
I.D. of surface casing (If present) [ND]
I.D. of riser pipe: [8 in]
Type of riser pipe: Carbon steel
Diameter of borehole: [9-in]
Type of filler: Not documented
Elevation/depth top of seal
Type of seal: Not documented
Depth top of perforations: [178-ft]
Description of perforations: 1 hole/ft
Depth to bottom, 205.8-ft, 07Jan93
Fill to ~206-ft
No cement plug documented
Depth bottom of perforations: [299-ft]
Depth bottom of casing: [301-ft]
Depth bottom of borehole: [301-ft]

DRILLER NOTE:
Sand heaved back to 287-ft

Drawing By: RKL/2W19-01.ASB Date: 19Apr93
Reference: HANFORD WELLS

## WELL CONSTRUCTION AND COMPLETION SUMMARY

Drilling Method: Cable tool
Drilling Fluid Used: Water
Driller's Name: Garcia
Drilling Company: Onwego Drilling
Date Started: 21May86

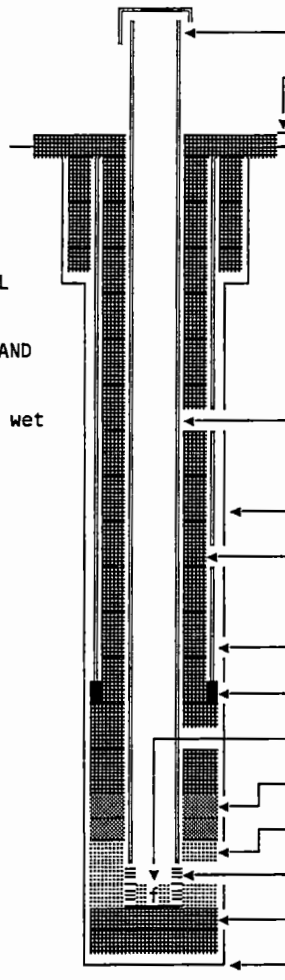
Sample Drive barrel Method: Hard tool
Additives Used: Not documented
WA State Lic Nr: Not documented
Company Location: Kennewick,WA
Date Complete: 10Jun86

WELL NUMBER: 299-W19-22
TEMPORARY WELL NO:
Hanford Coordinates: N/S N 37,628 E/W W 74,796
State Coordinates: N 442,738 E 2,220,433
Start Card #: Not documented T___ R___ S___
Elevation Ground surface (ft): 686.14 Brass cap

Depth to water: Dry Jun86
(Ground surface) Dry 09Mar93

GENERALIZED STRATIGRAPHY Summarization of % fractions — Geologist's Log

0↔3: Gravelly vf-c SAND
3↔5: vf-m SAND
6↔8: vf-c SAND
8↔10: Sandy GRAVEL
13↔15: Slightly gravelly f-m SAND
15↔20: Variable, vf SAND to GRAVEL
25,30: Slightly gravelly f-c SAND
35: Slightly silty vf-f SAND
40,45: Slighlty silty, gravelly SAND
50: Gravelly SAND
55: Slightly gravelly SAND
58: Layer of silty/clayey GRAVEL, wet
60,65,70: Silty, sandy GRAVEL
75: Sandy GRAVEL to gravelly SAND
78,85: f-c SAND
85: f-c SAND
88: Clayey SILT lens alternating w/lenses of silty vf-f SAND
95& 96↔99: vf-c SAND
102↔104: vf SAND
104 : c-vc SAND
110,115: f-c SAND
120 : Mostly silty vf SAND
123 : f-vc SAND
130,135: m-c SAND
140↔142: SILT/vfSAND



Elevation of reference point: [687.89-ft] (top of casing)
Height of reference point above ground surface [ 1.75-ft ]
Depth of surface seal [ 20-ft ]
Type of surface seal: Cement grout between 5&8-in casing; Cement grout outside 8-in casing
I.D. of surface casing [ 10-in ] (If present-pulling of 10 in ND)
I.D. of riser pipe: [ 5-in ]
Type of riser pipe: Carbon steel
Diameter of borehole: [ 9-in nom]
Type of filler: Cement grout
Type of seal: Not documented
Bottom 8-in casing [~100 ft ]
Depth to bottom, 132.8-ft, 18Apr91
Bentonite plug
Silica sand filter pack
5-in stainless steel screen 130↔135-ft #10-slot
Cement plug to 135-ft
Bottom of borehole: [ 142-ft ]

Drawing By: RKL/2W19-22.ASB Date: 20Apr93
Reference: HANFORD WELLS

# APPENDIX B

## SOIL PROPERTY DATA*

*Moisture retention data is included in Chapter 5.

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9413153.0465

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0998 | N/A | 215.8-216.3 | 299-W18-33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 31.4 |
| 3-1079 | N/A | 5 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.86 | N/R | N/R | <1 | N/R |
| 3-1080-1 | N/A | 10 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.34 | N/R | N/R | <1 | N/R |
| 3-1080-2 | N/A | 10 | 299-W18-33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | <1 | 30.3 |
| 3-1081 | N/A | 15 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.11 | N/R | N/R | <1 | N/R |
| 3-1082 | N/A | 20 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.22 | N/R | N/R | <1 | N/R |
| 3-1083 | N/A | 25 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.42 | N/R | N/R | <1 | N/R |
| 3-1084 | N/A | 25.5-26 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.81 | N/R | N/R | <1 | N/R |
| 3-1085 | N/A | 26-26.5 | 299-W18-33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 65.4 |
| 3-1086 | N/A | 30 | 299-W18-33 | N/R | N/R | N/R | N/R | 4.69 | N/R | N/R | <1 | N/R |
| 3-1087 | N/A | 35 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.93 | N/R | N/R | <1 | N/R |
| 3-1088 | N/A | 39.8 | 299-W18-33 | N/R | N/R | N/R | N/R | 5.42 | N/R | N/R | <1 | N/R |
| 3-1089-1 | N/A | 43 | 299-W18-33 | N/R | N/R | N/R | N/R | 5.67 | N/R | N/R | <1 | N/R |
| 3-1089-2 | N/A | 43 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.72 | N/R | N/R | 1.0 | N/R |
| 3-1089-3 | N/A | 43 | 299-W18-33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 85.2 |
| 3-1090 | N/A | 45 | 299-W18-33 | N/R | N/R | N/R | N/R | 7.92 | N/R | N/R | <1 | N/R |
| 3-1091 | N/A | 50 | 299-W18-33 | N/R | N/R | N/R | N/R | 5.11 | N/R | N/R | <1 | N/R |
| 3-1092 | N/A | 55 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.58 | N/R | N/R | <1 | N/R |
| 3-1093 | N/A | 57 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.62 | N/R | N/R | <1 | N/R |
| 3-1094 | N/A | 60 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.70 | N/R | N/R | 1.0 | N/R |
| 3-1095 | N/A | 65 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.53 | N/R | N/R | <1 | N/R |
| 3-1096 | N/A | 70 | 299-W18-33 | N/R | N/R | N/R | N/R | 3.73 | N/R | N/R | 1.0 | N/R |
| 3-1097 | N/A | 75 | 299-W18-33 | N/R | N/R | N/R | N/R | 4.40 | N/R | N/R | 1.15 | N/R |
| 3-1098 | N/A | 80 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.84 | N/R | N/R | 1.5 | N/R |
| 3-1099 | N/A | 85 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.07 | N/R | N/R | <1 | N/R |
| 3-1100 | N/A | 90 | 299-W18-33 | N/R | N/R | N/R | N/R | 3.86 | N/R | N/R | 1.0 | N/R |
| 3-1101 | N/A | 95 | 299-W18-33 | N/R | N/R | N/R | N/R | 4.86 | N/R | N/R | 1.0 | N/R |
| 3-1102 | N/A | 100 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.32 | N/R | N/R | 1.0 | N/R |
| 3-1103 | N/A | 105 | 299-W18-33 | N/R | N/R | N/R | N/R | 7.87 | N/R | N/R | 1.0 | N/R |
| 3-1104 | N/A | 110 | 299-W18-33 | N/R | N/R | N/R | N/R | 10.12 | N/R | N/R | 1.5 | N/R |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-1105 | N/A | 115 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.89 | N/R | N/R | 1.5 | N/R |
| 3-1106 | N/A | 120 | 299-W18-33 | N/R | N/R | N/R | N/R | 8.86 | N/R | N/R | 1.8 | N/R |
| 3-1107 | N/A | 125 | 299-W18-33 | N/R | N/R | N/R | N/R | 10.06 | N/R | N/R | 1.5 | N/R |
| 3-1108 | N/A | 130 | 299-W18-33 | N/R | N/R | N/R | N/R | 15.52 | N/R | N/R | 3.15 | N/R |
| 3-1109 | N/A | 135 | 299-W18-33 | N/R | N/R | N/R | N/R | 9.85 | N/R | N/R | 1.65 | N/R |
| 3-1110 | N/A | 139.5 | 299-W18-33 | N/R | N/R | N/R | N/R | 13.92 | N/R | N/R | 1.8 | N/R |
| 3-1111 | N/A | 146 | 299-W18-33 | N/R | N/R | N/R | N/R | 13.22 | N/R | N/R | 5.4 | N/R |
| 3-1112 | N/A | 150 | 299-W18-33 | N/R | N/R | N/R | N/R | 15.26 | N/R | N/R | 1.2 | N/R |
| 3-1113 | N/A | 154.5 | 299-W18-33 | N/R | N/R | N/R | N/R | 2.93 | N/R | N/R | <1 | N/R |
| 3-1114 | N/A | 160 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.29 | N/R | N/R | <1 | N/R |
| 3-1115 | N/A | 165 | 299-W18-33 | N/R | N/R | N/R | N/R | 14.75 | N/R | N/R | <1 | N/R |
| 3-1116 | N/A | 170 | 299-W18-33 | N/R | N/R | N/R | N/R | 3.14 | N/R | N/R | <1 | N/R |
| 3-1117 | N/A | 174 | 299-W18-33 | N/R | N/R | N/R | N/R | 3.09 | N/R | N/R | <1 | N/R |
| 3-1118 | N/A | 180 | 299-W18-33 | N/R | N/R | N/R | N/R | 6.75 | N/R | N/R | <1 | N/R |
| 3-1119 | N/A | 185 | 299-W18-33 | N/R | N/R | N/R | N/R | 14.0 | N/R | N/R | <1 | N/R |
| 3-1120 | N/A | 190 | 299-W18-33 | N/R | N/R | N/R | N/R | 13.81 | N/R | N/R | <1 | N/R |
| 3-1121 | N/A | 195 | 299-W18-33 | N/R | N/R | N/R | N/R | 18.28 | N/R | N/R | <1 | N/R |
| 3-1122 | N/A | 200 | 299-W18-33 | N/R | N/R | N/R | N/R | 23.01 | N/R | N/R | <1 | N/R |
| 3-1123 | N/A | 205 | 299-W18-33 | N/R | N/R | N/R | N/R | 18.05 | N/R | N/R | <1 | N/R |
| 3-1124 | N/A | 210 | 299-W18-33 | N/R | N/R | N/R | N/R | 32.10 | N/R | N/R | <1 | N/R |
| 3-1125 | N/A | 215.3-215.8 | 299-W18-33 | N/R | N/R | N/R | N/R | 7.25 | N/R | N/R | <1 | N/R |
| 3-1126 | N/A | 220 | 299-W18-33 | N/R | N/R | N/R | N/R | 23.07 | N/R | N/R | <1 | N/R |
| 3-1127 | N/A | 225 | 299-W18-33 | N/R | N/R | N/R | N/R | 28.28 | N/R | N/R | <1 | N/R |
| 3-1128 | N/A | 230 | 299-W18-33 | N/R | N/R | N/R | N/R | 50.5 | N/R | N/R | <1 | N/R |
| 3-1129-1 | N/A | 108.1-108.6 | 299-W18-33 | 3.8E-05 | 2.71 | N/A | N/A | 4.68 | 42.47 | 1.56 | 1.0 | 100 |
| 3-1129-2 | N/A | 108.6-109.1 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1129-3 | N/A | 109.1-109.6 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1130-1 | N/A | 129.75-130.25 | 299-W18-33 | 5.5E-06 | 2.70 | N/A | N/A | 11.1 | 41.49 | 1.58 | 1.6 | 100 |
| 3-1130-2 | N/A | 130.25-130.75 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1130-3 | N/A | 130.75-131.25 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1131-1 | N/A | 145.5-146 | 299-W18-33 | 2.58E-3 | 2.48 | 2.69 | 2.57 | 7.74 | 32.25 | 1.79 | 7.9 | 40.9 |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-1131-2 | N/A | 146.5-147 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1131-3 | N/A | 147-147.5 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1132-1 | N/A | 170 | 299-W18-33 | 4.08E-03 | 2.29 | 2.69 | 2.52 | 4.13 | 31.24 | 1.91 | <1 | 61.0 |
| 3-1132-2 | N/A | 170-170.5 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1132-3 | N/A | 170.5-171 | 299-W18-33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

WELL #299-W18-250



| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0721 | n/a | 5 | 299-W18-250 | N/R | N/R | N/R | N/R | 8.70 | N/R | N/R | 1.3 | |
| 3-0722 | n/a | 10 | 299-W18-250 | N/R | N/R | N/R | N/R | 2.81 | N/R | N/R | <1 | |
| 3-0723 | n/a | 15 | 299-W18-250 | N/R | N/R | N/R | N/R | 3.27 | N/R | N/R | <1 | |
| 3-0724 | n/a | 20 | 299-W18-250 | N/R | N/R | N/R | N/R | 2.70 | N/R | N/R | <1 | |
| 3-0725 | n/a | 30 | 299-W18-250 | N/R | N/R | N/R | N/R | 3.40 | N/R | N/R | <1 | |
| 3-0726 | n/a | 35 | 299-W18-250 | N/R | N/R | N/R | N/R | 4.94 | N/R | N/R | <1 | |
| 3-0727 | n/a | 40 | 299-W18-250 | N/R | N/R | N/R | N/R | 4.87 | N/R | N/R | <1 | |
| 3-0728 | n/a | 41 | 299-W18-250 | N/R | N/R | N/R | N/R | 14.57 | N/R | N/R | <1 | |
| 3-0729 | n/a | 45 | 299-W18-250 | N/R | N/R | N/R | N/R | 17.24 | N/R | N/R | <1 | |
| 3-0730 | n/a | 50 | 299-W18-250 | N/R | N/R | N/R | N/R | 21.05 | N/R | N/R | 1.5 | |
| 3-0731 | n/a | 55 | 299-W18-250 | N/R | N/R | N/R | N/R | 12.06 | N/R | N/R | <1 | |
| 3-0732 | n/a | 60 | 299-W18-250 | N/R | N/R | N/R | N/R | 8.82 | N/R | N/R | <1 | |
| 3-0733 | n/a | 65 | 299-W18-250 | N/R | N/R | N/R | N/R | 31.55 | N/R | N/R | 1.6 | |
| 3-0734 | | 66.1-66.6 | 299-W18-250 | N/R | N/R | N/R | N/R | 15.27 | N/R | N/R | 1.0 | |
| 3-0735-1 | n/a | 24.6 | 299-W18-250 | N/R | N/R | N/R | N/R | 3.15 | N/R | N/R | <1 | |
| 3-0735-2 | n/a | 24.6 | 299-W18-250 | N/R | N/R | N/R | N/R | N/A | N/R | N/R | N/A | |
| 3-0736-1 | n/a | 50-50.5 | 299-W18-250 | N/R | N/R | N/R | N/R | N/A | N/R | N/R | N/A | |
| 3-0736-2 | n/a | 50.5-51 | 299-W18-250 | N/R | N/R | N/R | N/R | 11.68 | N/R | N/R | 1.3 | |
| 3-0737-1 | | 66.1-66.6 | 299-W18-250 | N/R | N/R | N/R | N/R | N/A | N/R | N/R | N/A | |
| 3-0737-2 | | 66.6-67.1 | 299-W18-250 | N/R | N/R | N/R | N/R | N/A | N/R | N/R | N/A | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0788 | N/A | 5 | 299-W18-251 | N/R | N/R | N/R | N/R | 8.08 | N/R | N/R | 2.3 | |
| 3-0789 | N/A | 10 | 299-W18-251 | N/R | N/R | N/R | N/R | 17.28 | N/R | N/R | 1.0 | |
| 3-0790 | N/A | 15 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.32 | N/R | N/R | <1 | |
| 3-0791 | N/A | 20 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.32 | N/R | N/R | <1 | |
| 3-0792 | N/A | 25 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.75 | N/R | N/R | <1 | |
| 3-0793 | N/A | 30 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.45 | N/R | N/R | <1 | |
| 3-0794 | N/A | 35 | 299-W18-251 | N/R | N/R | N/R | N/R | 4.94 | N/R | N/R | <1 | |
| 3-0795 | N/A | 40 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.13 | N/R | N/R | <1 | |
| 3-0796 | N/A | 45 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.88 | N/R | N/R | <1 | |
| 3-0797 | N/A | 46 | 299-W18-251 | N/R | N/R | N/R | N/R | 5.91 | N/R | N/R | <1 | |
| 3-0798-1 | N/A | 50 | 299-W18-251 | N/R | N/R | N/R | N/R | 11.6 | N/R | N/R | <1 | |
| 3-0798-2 | N/A | 50 | 299-W18-251 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | |
| 3-0799 | N/A | 55 | 299-W18-251 | N/R | N/R | N/R | N/R | 7.34 | N/R | N/R | <1 | |
| 3-0800 | N/A | 60 | 299-W18-251 | N/R | N/R | N/R | N/R | 6.34 | N/R | N/R | <1 | |
| 3-0801 | N/A | 65 | 299-W18-251 | N/R | N/R | N/R | N/R | 10.81 | N/R | N/R | <1 | |
| 3-0802 | N/A | 70 | 299-W18-251 | N/R | N/R | N/R | N/R | 4.68 | N/R | N/R | <1 | |
| 3-0803 | N/A | 75 | 299-W18-251 | N/R | N/R | N/R | N/R | 7.07 | N/R | N/R | <1 | |
| 3-0804 | N/A | 80 | 299-W18-251 | N/R | N/R | N/R | N/R | 4.49 | N/R | N/R | <1 | |
| 3-0805 | N/A | 85 | 299-W18-251 | N/R | N/R | N/R | N/R | 5.54 | N/R | N/R | <1 | |
| 3-0806 | N/A | 90 | 299-W18-251 | N/R | N/R | N/R | N/R | 15.00 | N/R | N/R | <1 | |
| 3-0807 | N/A | 95 | 299-W18-251 | N/R | N/R | N/R | N/R | 15.17 | N/R | N/R | 1.3 | |
| 3-0808-1 | N/A | 98.5-99 | 299-W18-251 | N/R | N/R | N/R | N/R | 22.35 | N/R | N/R | <1 | |
| 3-0808-2 | N/A | 98.5-99 | 299-W18-251 | N/R | N/R | N/R | N/R | N/A | N/R | N/R | N/A | |
| 3-0809 | N/A | 100 | 299-W18-251 | N/R | N/R | N/R | N/R | 16.25 | N/R | N/R | 1.3 | |
| 3-0810 | N/A | 105 | 299-W18-251 | N/R | N/R | N/R | N/R | 21.37 | N/R | N/R | <1 | |
| 3-0811 | N/A | 107 | 299-W18-251 | N/R | N/R | N/R | N/R | 5.94 | N/R | N/R | <1 | |
| 3-0812 | N/A | 110 | 299-W18-251 | N/R | N/R | N/R | N/R | 5.11 | N/R | N/R | <1 | |
| 3-0813 | N/A | 115 | 299-W18-251 | N/R | N/R | N/R | N/R | 2.93 | N/R | N/R | <1 | |
| 3-0814 | N/A | 120 | 299-W18-251 | N/R | N/R | N/R | N/R | 3.20 | N/R | N/R | <1 | |
| 3-0815 | N/A | 125 | 299-W18-251 | N/R | N/R | N/R | N/R | 7.18 | N/R | N/R | 1.8 | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0816 | N/A | 130 | 299-W18-251 | N/R | N/R | N/R | N/R | 15.74 | N/R | N/R | 2.3 | |
| 3-0817 | N/A | 135 | 299-W18-251 | N/R | N/R | N/R | N/R | 19.57 | N/R | N/R | 2.3 | |
| 3-0818 | N/A | 140 | 299-W18-251 | N/R | N/R | N/R | N/R | 24.79 | N/R | N/R | 1.5 | |
| 3-0819 | N/A | 145 | 299-W18-251 | N/R | N/R | N/R | N/R | 22.39 | N/R | N/R | 2.0 | |
| 3-0820 | N/A | 150 | 299-W18-251 | N/R | N/R | N/R | N/R | 9.31 | N/R | N/R | 1.0 | |
| 3-0821 | N/A | 151 | 299-W18-251 | N/R | N/R | N/R | N/R | 11.91 | N/R | N/R | 7.3 | |
| 3-0822 | N/A | 97-97.5 | 299-W18-251 | 1.09E-07 | 2.73 | N/R | N/R | 19.81 | 36.14 | 1.74 | N/R | |
| 3-0823 | N/A | 150-150.5 | 299-W18-251 | 2.75E-04 | 2.66 | 2.42 | 2.54 | 7.7 | 31.78 | 1.81 | 1.0 | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0965 | N/A | 232 | 299-W23-16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 39.3 |
| 3-1029 | N/A | 5 | 299-W23-16 | N/R | N/R | N/R | N/R | 5.63 | N/R | N/R | <1 | |
| 3-1030-1 | N/A | 10 | 299-W23-16 | N/R | N/R | N/R | N/R | 2.75 | N/R | N/R | <1 | |
| 3-1030-2 | N/A | 10 | 299-W23-16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 94.0 |
| 3-1031 | N/A | 15 | 299-W23-16 | N/R | N/R | N/R | N/R | 2.41 | N/R | N/R | <1 | |
| 3-1032 | N/A | 20 | 299-W23-16 | N/R | N/R | N/R | N/R | 2.78 | N/R | N/R | <1 | |
| 3-1033-1 | N/A | 25 | 299-W23-16 | N/R | N/R | N/R | N/R | 5.22 | N/R | N/R | <1 | |
| 3-1033-2 | N/A | 25 | 299-W23-16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 100.0 |
| 3-1034 | N/A | 30 | 299-W23-16 | N/R | N/R | N/R | N/R | 6.75 | N/R | N/R | <1 | |
| 3-1035 | N/A | 35 | 299-W23-16 | N/R | N/R | N/R | N/R | 3.28 | N/R | N/R | <1 | |
| 3-1036 | N/A | 40 | 299-W23-16 | N/R | N/R | N/R | N/R | 2.90 | N/R | N/R | <1 | |
| 3-1037 | N/A | 45 | 299-W23-16 | N/R | N/R | N/R | N/R | 3.13 | N/R | N/R | <1 | |
| 3-1038-1 | N/A | 50 | 299-W23-16 | N/R | N/R | N/R | N/R | 3.80 | N/R | N/R | <1 | |
| 3-1038-2 | N/A | 50 | 299-W23-16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 100.0 |
| 3-1039 | N/A | 55 | 299-W23-16 | N/R | N/R | N/R | N/R | 8.23 | N/R | N/R | 1.2 | |
| 3-1040 | N/A | 60 | 299-W23-16 | N/R | N/R | N/R | N/R | 8.94 | N/R | N/R | <1 | |
| 3-1041 | N/A | 65 | 299-W23-16 | N/R | N/R | N/R | N/R | 8.76 | N/R | N/R | <1 | |
| 3-1042 | N/A | 70 | 299-W23-16 | N/R | N/R | N/R | N/R | 5.68 | N/R | N/R | 1.0 | |
| 3-1043 | N/A | 75 | 299-W23-16 | N/R | N/R | N/R | N/R | 6.45 | N/R | N/R | <1 | |
| 3-1044 | N/A | 76 | 299-W23-16 | N/R | N/R | N/R | N/R | 18.99 | N/R | N/R | 1.5 | |
| 3-1045 | N/A | 80 | 299-W23-16 | N/R | N/R | N/R | N/R | 5.54 | N/R | N/R | <1 | |
| 3-1046 | N/A | 85 | 299-W23-16 | N/R | N/R | N/R | N/R | 7.27 | N/R | N/R | 2.0 | |
| 3-1047 | N/A | 90 | 299-W23-16 | N/R | N/R | N/R | N/R | 3.40 | N/R | N/R | 1.0 | |
| 3-1048 | N/A | 95 | 299-W23-16 | N/R | N/R | N/R | N/R | 22.52 | N/R | N/R | 1.3 | |
| 3-1049 | N/A | 100 | 299-W23-16 | N/R | N/R | N/R | N/R | 13.07 | N/R | N/R | 1.4 | |
| 3-1050 | N/A | 105 | 299-W23-16 | N/R | N/R | N/R | N/R | 22.45 | N/R | N/R | 1.5 | |
| 3-1051 | N/A | 110 | 299-W23-16 | N/R | N/R | N/R | N/R | 16.94 | N/R | N/R | 1.2 | |
| 3-1052 | N/A | 115 | 299-W23-16 | N/R | N/R | N/R | N/R | 18.64 | N/R | N/R | 2.0 | |
| 3-1053 | N/A | 120 | 299-W23-16 | N/R | N/R | N/R | N/R | 15.54 | N/R | N/R | 1.8 | |
| 3-1054 | N/A | 125 | 299-W23-16 | N/R | N/R | N/R | N/R | 14.12 | N/R | N/R | <1 | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-1055 | N/A | 130 | 299-W23-16 | N/R | N/R | N/R | N/R | 26.47 | N/R | N/R | 1.9 | |
| 3-1056 | N/A | 135 | 299-W23-16 | N/R | N/R | N/R | N/R | 22.82 | N/R | N/R | 2.4 | |
| 3-1057 | N/A | 140 | 299-W23-16 | N/R | N/R | N/R | N/R | 21.29 | N/R | N/R | 1.8 | |
| 3-1058 | N/A | 145 | 299-W23-16 | N/R | N/R | N/R | N/R | 21.64 | N/R | N/R | 2.4 | |
| 3-1059 | N/A | 150 | 299-W23-16 | N/R | N/R | N/R | N/R | 23.13 | N/R | N/R | 2.7 | |
| 3-1060 | N/A | 154 | 299-W23-16 | N/R | N/R | N/R | N/R | 21.90 | N/R | N/R | 9.3 | |
| 3-1061 | N/A | 160 | 299-W23-16 | N/R | N/R | N/R | N/R | 5.42 | N/R | N/R | 2.8 | |
| 3-1062 | N/A | 165 | 299-W23-16 | N/R | N/R | N/R | N/R | 3.70 | N/R | N/R | <1 | |
| 3-1063 | N/A | 170 | 299-W23-16 | N/R | N/R | N/R | N/R | 4.92 | N/R | N/R | <1 | |
| 3-1064 | N/A | 175 | 299-W23-16 | N/R | N/R | N/R | N/R | 4.55 | N/R | N/R | <1 | |
| 3-1065 | N/A | 180 | 299-W23-16 | N/R | N/R | N/R | N/R | 4.99 | N/R | N/R | <1 | |
| 3-1066 | N/A | 185 | 299-W23-16 | N/R | N/R | N/R | N/R | 14.98 | N/R | N/R | <1 | |
| 3-1067 | N/A | 190 | 299-W23-16 | N/R | N/R | N/R | N/R | 14.47 | N/R | N/R | <1 | |
| 3-1068 | N/A | 195 | 299-W23-16 | N/R | N/R | N/R | N/R | 17.28 | N/R | N/R | <1 | |
| 3-1069 | N/A | 200 | 299-W23-16 | N/R | N/R | N/R | N/R | 14.43 | N/R | N/R | <1 | |
| 3-1070 | N/A | 210 | 299-W23-16 | N/R | N/R | N/R | N/R | 24.55 | N/R | N/R | <1 | |
| 3-1071 | N/A | 215 | 299-W23-16 | N/R | N/R | N/R | N/R | 61.71 | N/R | N/R | <1 | |
| 3-1072 | N/A | 220 | 299-W23-16 | N/R | N/R | N/R | N/R | 25.34 | N/R | N/R | <1 | |
| 3-1073 | N/A | 225 | 299-W23-16 | N/R | N/R | N/R | N/R | 22.24 | N/R | N/R | <1 | |
| 3-1074 | N/A | 230 | 299-W23-16 | N/R | N/R | N/R | N/R | 21.80 | N/R | N/R | <1 | |
| 3-1075 | N/A | 232 | 299-W23-16 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3-1076 | N/A | 235 | 299-W23-16 | N/R | N/R | N/R | N/R | 20.87 | N/R | N/R | <1 | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0859 | N/A | 217.8-218.3 | 299-W23-17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | |
| 3-0908 | N/A | 5 | 299-W23-17 | N/R | N/R | N/R | N/R | 9.54 | N/R | N/R | 3.0 | |
| 3-0909-1 | N/A | 10 | 299-W23-17 | N/R | N/R | N/R | N/R | 10.74 | N/R | N/R | <1 | |
| 3-0909-2 | N/A | 10 | 299-W23-17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 92.1 |
| 3-0910 | N/A | 15 | 299-W23-17 | N/R | N/R | N/R | N/R | 2.47 | N/R | N/R | 1.5 | |
| 3-0911 | N/A | 20 | 299-W23-17 | N/R | N/R | N/R | N/R | 2.25 | N/R | N/R | 1.3 | |
| 3-0912 | N/A | 25 | 299-W23-17 | N/R | N/R | N/R | N/R | 16.41 | N/R | N/R | <1 | |
| 3-0913 | N/A | 25.1-25.6 | 299-W23-17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 99.6 |
| 3-0914 | N/A | 26.6-27.1 | 299-W23-17 | N/R | N/R | N/R | N/R | 6.11 | N/R | N/R | <1 | |
| 3-0915 | N/A | 30 | 299-W23-17 | N/R | N/R | N/R | N/R | 2.92 | N/R | N/R | <1 | |
| 3-0916 | N/A | 35 | 299-W23-17 | N/R | N/R | N/R | N/R | 3.14 | N/R | N/R | <1 | |
| 3-0917 | N/A | 40 | 299-W23-17 | N/R | N/R | N/R | N/R | 4.25 | N/R | N/R | <1 | |
| 3-0918 | N/A | 44 | 299-W23-17 | N/R | N/R | N/R | N/R | 17.70 | N/R | N/R | <1 | |
| 3-0919-1 | N/A | 44.8 | 299-W23-17 | N/R | N/R | N/R | N/R | 6.14 | N/R | N/R | <1 | |
| 3-0919-2 | N/A | 44.8-45.3 | 299-W23-17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | 99.6 |
| 3-0920 | N/A | 50 | 299-W23-17 | N/R | N/R | N/R | N/R | 6.14 | N/R | N/R | <1 | |
| 3-0921 | N/A | 55 | 299-W23-17 | N/R | N/R | N/R | N/R | 5.54 | N/R | N/R | <1 | |
| 3-0922 | N/A | 60 | 299-W23-17 | N/R | N/R | N/R | N/R | 9.01 | N/R | N/R | <1 | |
| 3-0923 | N/A | 65 | 299-W23-17 | N/R | N/R | N/R | N/R | 10.99 | N/R | N/R | <1 | |
| 3-0924 | N/A | 70 | 299-W23-17 | N/R | N/R | N/R | N/R | 4.54 | N/R | N/R | <1 | |
| 3-0925 | N/A | 75 | 299-W23-17 | N/R | N/R | N/R | N/R | 10.52 | N/R | N/R | <1 | |
| 3-0926 | N/A | 80 | 299-W23-17 | N/R | N/R | N/R | N/R | 9.11 | N/R | N/R | <1 | |
| 3-0927 | N/A | 83 | 299-W23-17 | N/R | N/R | N/R | N/R | 21.40 | N/R | N/R | 1.3 | |
| 3-0928 | N/A | 84.2-84.7 | 299-W23-17 | 6.99E-05 | 2.78 | N/A | N/A | 11.73 | 40.37 | 1.66 | 1.5 | |
| 3-0929 | N/A | 84.7-85.2 | 299-W23-17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 3-0930 | N/A | 85.2-85.7 | 299-W23-17 | N/R | N/R | N/R | N/R | 19.0 | N/R | N/R | 1.5 | |
| 3-0931 | N/A | 90 | 299-W23-17 | N/R | N/R | N/R | N/R | 5.40 | N/R | N/R | <1 | |
| 3-0932 | N/A | 95 | 299-W23-17 | N/R | N/R | N/R | N/R | 16.03 | N/R | N/R | <1 | |
| 3-0933 | N/A | 100 | 299-W23-17 | N/R | N/R | N/R | N/R | 13.84 | N/R | N/R | <1 | |
| 3-0934 | N/A | 105 | 299-W23-17 | N/R | N/R | N/R | N/R | 23.26 | N/R | N/R | 1.0 | |

| Sample No. | HEIS No. | Depth | Well No. | Sat K (cm/s) | SpG/F | SpG/C | SpG/Avg | Mois (%) | Por (%) | Den/D (g/cc) | CC (%) | Fines -10(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-0935 | N/A | 110 | 299-W23-17 | N/R | N/R | N/R | N/R | 22.81 | N/R | N/R | 1.0 | |
| 3-0936 | N/A | 115 | 299-W23-17 | N/R | N/R | N/R | N/R | 3.12 | N/R | N/R | <1 | |
| 3-0937 | N/A | 118 | 299-W23-17 | N/R | N/R | N/R | N/R | 16.42 | N/R | N/R | <1 | |
| 3-0938 | N/A | 120 | 299-W23-17 | N/R | N/R | N/R | N/R | 16.34 | N/R | N/R | 1.0 | |
| 3-0939 | N/A | 125 | 299-W23-17 | N/R | N/R | N/R | N/R | 18.39 | N/R | N/R | <1 | |
| 3-0940 | N/A | 130 | 299-W23-17 | N/R | N/R | N/R | N/R | 17.03 | N/R | N/R | <1 | |
| 3-0941 | N/A | 135 | 299-W23-17 | N/R | N/R | N/R | N/R | 23.03 | N/R | N/R | 1.8 | |
| 3-0942 | N/A | 140 | 299-W23-17 | N/R | N/R | N/R | N/R | 21.25 | N/R | N/R | 1.8 | |
| 3-0943 | N/A | 145 | 299-W23-17 | N/R | N/R | N/R | N/R | 19.31 | N/R | N/R | 1.8 | |
| 3-0944 | N/A | 149.8-150.3 | 299-W23-17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 3-0945 | N/A | 150.3-150.8 | 299-W23-17 | 6.1E-04 | 2.78 | 2.61 | 2.64 | 4.18 | 24.66 | 2.09 | 6.3 | |
| 3-0946 | N/A | 150.8-151.3 | 299-W23-17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 3-0947 | N/A | 155 | 299-W23-17 | N/R | N/R | N/R | N/R | 5.40 | N/R | N/R | <1 | |
| 3-0948 | N/A | 160 | 299-W23-17 | N/R | N/R | N/R | N/R | 34.29 | N/R | N/R | <1 | |
| 3-0949 | N/A | 165 | 299-W23-17 | N/R | N/R | N/R | N/R | 28.97 | N/R | N/R | <1 | |
| 3-0950 | N/A | 170 | 299-W23-17 | N/R | N/R | N/R | N/R | 17.53 | N/R | N/R | <1 | |
| 3-0951 | N/A | 175 | 299-W23-17 | N/R | N/R | N/R | N/R | 6.88 | N/R | N/R | <1 | |
| 3-0952 | N/A | 180 | 299-W23-17 | N/R | N/R | N/R | N/R | 14.40 | N/R | N/R | <1 | |
| 3-0953 | N/A | 185 | 299-W23-17 | N/R | N/R | N/R | N/R | 12.82 | N/R | N/R | <1 | |
| 3-0954 | N/A | 190 | 299-W23-17 | N/R | N/R | N/R | N/R | 15.37 | N/R | N/R | <1 | |
| 3-0955 | N/A | 195 | 299-W23-17 | N/R | N/R | N/R | N/R | 14.21 | N/R | N/R | <1 | |
| 3-0956 | N/A | 200 | 299-W23-17 | N/R | N/R | N/R | N/R | 19.49 | N/R | N/R | <1 | |
| 3-0957 | N/A | 205 | 299-W23-17 | N/R | N/R | N/R | N/R | 18.42 | N/R | N/R | <1 | |
| 3-0958 | N/A | 210 | 299-W23-17 | N/R | N/R | N/R | N/R | 29.72 | N/R | N/R | <1 | |
| 3-0959 | N/A | 215 | 299-W23-17 | N/R | N/R | N/R | N/R | 42.65 | N/R | N/R | <1 | |
| 3-0960 | N/A | 220 | 299-W23-17 | N/R | N/R | N/R | N/R | 33.61 | N/R | N/R | <1 | |
| 3-0961 | N/A | 225 | 299-W23-17 | N/R | N/R | N/R | N/R | 31.74 | N/R | N/R | <1 | |
| 3-0962 | N/A | 230 | 299-W23-17 | N/R | N/R | N/R | N/R | 22.06 | N/R | N/R | <1 | |
| 3-0963 | N/A | 148 | 299-W23-17 | N/R | N/R | N/R | N/R | 10.0 | N/R | N/R | 6.5 | |
| 3-0964 | N/A | 25 | 299-W23-17 | N/A | N/R | N/R | N/R | N/R | N/R | N/R | N/R | |

# APPENDIX C

## WELL SEDIMENT CHEMISTRY DATA

****** = Data not available.
B = Blank.
U = Undetected.
XYZ = Other.

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9413163.0047

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1,1,2-Tetrachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1,1-Trichloroethane | 0 | UG/L | 16 | J |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1,2,2-Tetrachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1,2-Trichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1-Dichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,1-Dichloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2,3-Trichloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2,4,5-Tetrachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2,4-Trichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2-Dibromo-3-chloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2-Dibromoethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2-Dichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,2-Dichloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,3-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,4-Dichloro-2-butene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,4-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,4-Dichlorobenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,4-Dioxane | 200 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1,4-Naphtoquinone | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 1-Naphthylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,3,4,6-Tetrachlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4,5-T | 2 | UG/L | 49 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4,5-TP | 2 | UG/L | 49 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4,5-Trichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4,6-Trichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4-D | 10 | UG/L | 49 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4-Dichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4-Dimethylphenol | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4-Dinitrophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,4-Dinitrotoluene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,6-Dichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2,6-Dinitrotoluene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Acetylaminofluorene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Chloronaphthalene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Chlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Hexanone | 50 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Methylnaphthalene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Naphthylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Nitrophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-Picoline | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/L | 49 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 3,3'-Dichlorobenzidine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 3,3'-Dimethylbenzidine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 3-Methylcholanthrene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 3-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4,4'-DDD | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4,4'-DDE | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4,4'-DDT | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4,6-Dinitro-2-methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Aminobiphenyl | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Bromophenylphenyl ether | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Chloro-3-methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Chloroaniline | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Chlorophenylphenyl ether | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Methyl-2-pentanone | | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Nitrophenol | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 4-Nitroquinoline-1-oxide | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | 7,12-Dimethylbenz[a]anthrace | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acenaphthene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acenaphthylene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acetone | 7 | UG/L | 16 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acetonitrile | 200 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acetophenone | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acrolein | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Acrylonitrile | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aldrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Alpha,alpha-Dimethylphenethy | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Alpha-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aniline | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Anthracene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Antimony | | UG/KG | 34 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aramite | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1016 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1221 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1232 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1242 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1248 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1254 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Aroclor-1260 | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Barium | 72000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzo(a)anthracene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzo(a)pyrene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzo(b)fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzo(ghi)perylene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzo(k)fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Benzyl alcohol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Beryllium | 600 | UG/KG | 34 | |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Beta-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bis(2-Choroethoxy)methane | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bis(2-chloroethyl) ether | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bis(2-chloroisopropyl) ether | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bis(2-ethylhexyl) phthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bromodichloromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Bromoform | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Butylbenzylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Cadmium | | UG/KG | 34 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Carbon disulfide | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Carbon tetrachloride | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chlordane | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chloride | 200 | UG/KG | 124 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chlorobenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chlorobenzilate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chloroethane | 10 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chloroform | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chloroprene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chromium | 17000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Chrysene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Cobalt | 13000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Copper | 15000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Delta-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Di-n-butylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Di-n-octylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Diallate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dibenz[a,h]anthracene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dibenzofuran | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dibromochloromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dibromomethane | 5 | UG/L | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dichlorodifluoromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dieldrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Diethyl phthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dimethoate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Dimethyl phthalate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Diphenylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Endosulfan I | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Endosulfan II | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Endosulfan sulfate | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Endrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Endrin Aldehyde | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Ethyl cyanide | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Ethyl methacrylate | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Ethyl methanesulfonate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Ethylbenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Famphur | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Fluorene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Fluoride | 300 | UG/KG | 124 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Heptachlor | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Heptachlor epoxide | 1 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachlorobutadiene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachlorocyclopentadiene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachloroethane | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachlorophene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Hexachloropropene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Indeno(1,2,3-cd)pyrene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Isobutyl alcohol | 200 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Isodrin | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Isophorone | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Isosafrole | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Kepone | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Kerosene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Manganese | 290000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methacrylonitrile | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methapyrilene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methoxychlor | 2 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl Iodide | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl bromide | 10 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl chloride | 10 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl ethyl ketone | 100 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl methacrylate | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methyl methanesulfonate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Methylene chloride | 2 | UG/L | 16 | B |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitroso-di-n-dipropylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosodi-n-butylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosodiethylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosodimethylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosodiphenylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosomethylethylamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosomorpholine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | N-Nitrosopiperidine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Naphthalene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Nickel | 69000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Nitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Nitrosopyrrolidine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | O,O,O-Triethyl phosphorothio | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | O,O-diethylO-2-pyrazinylphos | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | PCDDs | | UG/KG | 51 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | PCDFs | | UG/KG | 51 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Parathion | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pentachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pentachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pentachloronitrobenzene (PCN | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pentachlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Phenacetin | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Phenanthrene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Phenol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Potassium | 700000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pronamide | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pyrene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Pyridine | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Safrol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Silver | | UG/KG | 34 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Sodium | 480000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Styrene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Sulfate | 2000 | UG/KG | 124 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Tetrachloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Tetraethyldithiopyrophosphat | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Tetrahydrofuran | | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Tin | | UG/KG | 34 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Toluene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Toxaphene | 2 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Tributyl Phosphate | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Trichloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Trichloromonofluoromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Vanadium | 64000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Vinyl acetate | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Vinyl chloride | 10 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Xylene(m) | 5 | UG/L | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Xylene(o) | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Xylene(p) | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | Zinc | 45000 | UG/KG | 34 | |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | allylchloride | 100 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | cis-1,3-Dichloropropene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | gamma-BHC (Lindane) | 0 | UG/L | 17 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | m-Cresol | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | m-dinitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | o-Toluidine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | p-Dimethylaminoazobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | p-Phenylenediamine | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | sym-Trinitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | trans-1,2-Dichloroethylene | 5 | UG/L | 16 | U |
| 299-W18-250 | 25 | B08CB5 | 3/30/93 | trans-1,3-Dichloropropene | 5 | UG/L | 16 | U |
| 299-W18-250 | 46 | B08CD0 | 4/01/93 | 1,2-Dichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1,1,2-Tetrachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1,1-Trichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1,2,2-Tetrachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1,2-Trichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1-Dichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,1-Dichloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2,3-Trichloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2,4,5-Tetrachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2,4-Trichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2-Dibromo-3-chloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2-Dibromoethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2-Dichloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,2-Dichloropropane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,3-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,4-Dichloro-2-butene | 5 | UG/L | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,4-Dichlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,4-Dichlorobenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,4-Dioxane | 200 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1,4-Naphtoquinone | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 1-Naphthylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,3,4,6-Tetrachlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4,5-T | 2 | UG/L | 49 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4,5-TP | 2 | UG/L | 49 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4,5-Trichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4,6-Trichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4-D | 10 | UG/L | 49 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4-Dichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4-Dimethylphenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4-Dinitrophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,4-Dinitrotoluene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,6-Dichlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2,6-Dinitrotoluene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Acetylaminofluorene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Chloronaphthalene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Chlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Hexanone | 50 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Methylnaphthalene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Naphthylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Nitrophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-Picoline | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/L | 49 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 3,3'-Dichlorobenzidine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 3,3'-Dimethylbenzidine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 3-Methylcholanthrene | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 3-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4,4'-DDD | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4,4'-DDE | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4,4'-DDT | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4,6-Dinitro-2-methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Aminobiphenyl | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Bromophenylphenyl ether | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Chloro-3-methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Chloroaniline | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Chlorophenylphenyl ether | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Methyl-2-pentanone | | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Methylphenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Nitroaniline | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Nitrophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 4-Nitroquinoline-1-oxide | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | 7,12-Dimethylbenz[a]anthrace | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acenaphthene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acenaphthylene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acetone | 6 | UG/L | 16 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acetonitrile | 200 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acetophenone | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acrolein | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Acrylonitrile | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aldrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Alpha,alpha-Dimethylphenethy | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Alpha-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aniline | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Anthracene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Antimony | | UG/KG | 34 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aramite | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1016 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1221 | 1 | UG/L | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1232 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1242 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1248 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1254 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Aroclor-1260 | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Barium | 110000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzo(a)anthracene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzo(a)pyrene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzo(b)fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzo(ghi)perylene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzo(k)fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Benzyl alcohol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Beryllium | 800 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Beta-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bis(2-Choroethoxy)methane | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bis(2-chloroethyl) ether | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bis(2-chloroisopropyl) ether | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bis(2-ethylhexyl) phthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bromodichloromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Bromoform | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Butylbenzylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Cadmium | | UG/KG | 34 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Carbon disulfide | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Carbon tetrachloride | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chlordane | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chloride | 500 | UG/KG | 124 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chlorobenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chlorobenzilate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chloroethane | 10 | UG/L | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chloroform | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chloroprene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chromium | 12000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Chrysene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Cobalt | 12000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Copper | 15000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Delta-BHC | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Di-n-butylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Di-n-octylphthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Diallate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dibenz[a,h]anthracene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dibenzofuran | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dibromochloromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dibromomethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dichlorodifluoromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dieldrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Diethyl phthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dimethoate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Dimethyl phthalate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Diphenylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Endosulfan I | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Endosulfan II | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Endosulfan sulfate | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Endrin | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Endrin Aldehyde | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Ethyl cyanide | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Ethyl methacrylate | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Ethyl methanesulfonate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Ethylbenzene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Famphur | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Fluoranthene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Fluorene | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Fluoride | 100 | UG/KG | 124 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Heptachlor | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Heptachlor epoxide | 1 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachlorobutadiene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachlorocyclopentadiene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachloroethane | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachlorophene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Hexachloropropene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Indeno(1,2,3-cd)pyrene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Isobutyl alcohol | 200 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Isodrin | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Isophorone | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Isosafrole | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Kepone | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Kerosene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Manganese | 470000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methacrylonitrile | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methapyrilene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methoxychlor | 2 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl Iodide | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl bromide | 10 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl chloride | 10 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl ethyl ketone | 100 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl methacrylate | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methyl methanesulfonate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Methylene chloride | 2 | UG/L | 16 | B |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitroso-di-n-dipropylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosodi-n-butylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosodiethylamine | | UG/L | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosodimethylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosodiphenylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosomethylethylamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosomorpholine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | N-Nitrosopiperidine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Naphthalene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Nickel | 14000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Nitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Nitrosopyrrolidine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | O,O,O-Triethyl phosphorothio | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | O,O-diethylO-2-pyrazinylphos | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | PCDDs | | UG/KG | 51 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | PCDFs | | UG/KG | 51 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Parathion | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pentachlorobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pentachloroethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pentachloronitrobenzene (PCN | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pentachlorophenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Phenacetin | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Phenanthrene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Phenol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pronamide | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pyrene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Pyridine | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Safrol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Silver | | UG/KG | 34 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Sodium | 320000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Styrene | 5 | UG/L | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Sulfate | 2000 | UG/KG | 124 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Tetrachloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Tetraethyldithiopyrophosphat | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Tetrahydrofuran | | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Tin | | UG/KG | 34 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Toluene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Toxaphene | 2 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Tributyl Phosphate | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Trichloroethene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Trichloromonofluoromethane | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Vanadium | 66000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Vinyl acetate | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Vinyl chloride | 10 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Xylene(m) | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Xylene(o) | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Xylene(p) | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | Zinc | 50000 | UG/KG | 34 | |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | allylchloride | 100 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | cis-1,3-Dichloropropene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | gamma-BHC (Lindane) | 0 | UG/L | 17 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | m-Cresol | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | m-dinitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | o-Toluidine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | p-Dimethylaminoazobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | p-Phenylenediamine | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | sym-Trinitrobenzene | | UG/L | 19 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | trans-1,2-Dichloroethylene | 5 | UG/L | 16 | U |
| 299-W18-250 | 50 | B08CB7 | 3/30/93 | trans-1,3-Dichloropropene | 5 | UG/L | 16 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | | | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,2,4,5-Tetrachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,2,4-Trichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,2-Dichlorobenzene | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,3-Dichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1,4-Naphtoquinone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 1-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,3,4,6-Tetrachlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4,5-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4,6-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4-Dichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4-Dimethylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4-Dinitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,4-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,6-Dichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2,6-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Acetylaminofluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Chloronaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Chlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Methylnaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-Nitrophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 3,3'-Dichlorobenzidine | 20 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 3,3'-Dimethylbenzidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 3-Methylcholanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 3-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4,4'-DDD | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4,4'-DDE | 0 | UG/L | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4,4'-DDT | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4,6-Dinitro-2-methylphenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Aminobiphenyl | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Bromophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Chloro-3-methylphenol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Chloroaniline | 20 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Chlorophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Nitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 4-Nitroquinoline-1-oxide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | 7,12-Dimethylbenz[a]anthrace | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Acenaphthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Acenaphthylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Acetophenone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aldrin | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Alpha,alpha-Dimethylphenethy | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Alpha-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aniline | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aramite | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1016 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1221 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1232 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1242 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1248 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1254 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Aroclor-1260 | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Barium | 75000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzo(a)anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzo(a)pyrene | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzo(b)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzo(ghi)perylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzo(k)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Benzyl alcohol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Beryllium | 600 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Beta-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Bis(2-Choroethoxy)methane | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Bis(2-chloroethyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Bis(2-chloroisopropyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Bis(2-ethylhexyl) phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Butylbenzylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Chlordane | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Chloride | 700 | UG/KG | 124 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Chlorobenzilate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Chromium | 5000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Chrysene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Cobalt | 10000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Copper | 15000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Delta-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Di-n-butylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Di-n-octylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Diallate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Dibenz[a,h]anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Dibenzofuran | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Dieldrin | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Diethyl phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Dimethoate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Dimethyl phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Diphenylamine | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Endosulfan I | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Endosulfan II | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Endosulfan sulfate | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Endrin | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Endrin Aldehyde | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Ethyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Famphur | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Fluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Fluoride | 300 | UG/KG | 124 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Heptachlor | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Heptachlor epoxide | 1 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachlorobutadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachlorocyclopentadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachloroethane | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachlorophene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Hexachloropropene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Indeno(1,2,3-cd)pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Isodrin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Isophorone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Isosafrole | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Kepone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Kerosene | 10000 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Manganese | 310000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Methapyrilene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Methoxychlor | 2 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Methyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitroso-di-n-dipropylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosodi-n-butylamine | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosodiethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosodimethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosodiphenylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosomethylethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosomorpholine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | N-Nitrosopiperidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Naphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Nickel | 5000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Nitrate | 500 | UG/KG | 124 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Nitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Nitrosopyrrolidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | O,O,O-Triethyl phosphorothio | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | O,O-diethylO-2-pyrazinylphos | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | PCDDs | | UG/KG | 51 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | PCDFs | | UG/KG | 51 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Parathion | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Pentachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Pentachloronitrobenzene (PCN | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Pentachlorophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Phenacetin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Phenanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Phenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Potassium | 620000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Pronamide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Safrol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Sodium | 390000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Sulfate | 4000 | UG/KG | 124 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Sulfide | | UG/KG | 63 | XYZU |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Tetraethyldithiopyrophosphat | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Tin | 100 | UG/KG | 34 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Toxaphene | 2 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Tributyl Phosphate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Vanadium | 59000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | Zinc | 46000 | UG/KG | 34 | |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | gamma-BHC (Lindane) | 0 | UG/L | 17 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | m-Cresol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | m-dinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | o-Toluidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | p-Dimethylaminoazobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | p-Phenylenediamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 25 | B08CC8 | 4/01/93 | sym-Trinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | | | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1,2,4,5-Tetrachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1,2,4-Trichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1,3-Dichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1,4-Naphtoquinone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 1-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,3,4,6-Tetrachlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4,5-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4,6-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4-Dichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4-Dimethylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4-Dinitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,4-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,6-Dichlorophenol | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2,6-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Acetylaminofluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Chloronaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Chlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Methylnaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-Nitrophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 3,3'-Dichlorobenzidine | 20 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 3,3'-Dimethylbenzidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 3-Methylcholanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 3-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4,4'-DDD | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4,4'-DDE | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4,4'-DDT | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4,6-Dinitro-2-methylphenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Aminobiphenyl | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Bromophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Chloro-3-methylphenol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Chloroaniline | 20 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Chlorophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Nitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 4-Nitroquinoline-1-oxide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | 7,12-Dimethylbenz[a]anthrace | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Acenaphthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Acenaphthylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Acetophenone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aldrin | 0 | UG/L | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Alpha,alpha-Dimethylphenethy | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Alpha-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aniline | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aramite | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1016 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1221 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1232 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1242 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1248 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1254 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Aroclor-1260 | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Barium | 87000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzo(a)anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzo(a)pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzo(b)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzo(ghi)perylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzo(k)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Benzyl alcohol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Beryllium | 600 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Beta-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Bis(2-Choroethoxy)methane | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Bis(2-chloroethyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Bis(2-chloroisopropyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Bis(2-ethylhexyl) phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Butylbenzylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Chlordane | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Chloride | 200 | UG/KG | 124 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Chlorobenzilate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Chromium | 9000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Chrysene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Cobalt | 10000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Copper | 12000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Delta-BHC | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Di-n-butylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Di-n-octylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Diallate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Dibenz[a,h]anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Dibenzofuran | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Dieldrin | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Diethyl phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Dimethoate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Dimethyl phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Diphenylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Endosulfan I | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Endosulfan II | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Endosulfan sulfate | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Endrin | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Endrin Aldehyde | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Ethyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Famphur | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Fluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Fluoride | 100 | UG/KG | 124 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Heptachlor | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Heptachlor epoxide | 1 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachlorobutadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachlorocyclopentadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachloroethane | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachlorophene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Hexachloropropene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Indeno(1,2,3-cd)pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Isodrin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Isophorone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Isosafrole | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Kepone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Kerosene | 10000 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Manganese | 400000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Methapyrilene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Methoxychlor | 2 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Methyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitroso-di-n-dipropylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosodi-n-butylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosodiethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosodimethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosodiphenylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosomethylethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosomorpholine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | N-Nitrosopiperidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Naphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Nickel | 8000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Nitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Nitrosopyrrolidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | O,O,O-Triethyl phosphorothio | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | O,O-diethylO-2-pyrazinylphos | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | PCDDs | | UG/KG | 51 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | PCDFs | | UG/KG | 51 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Parathion | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Pentachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Pentachloronitrobenzene (PCN | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Pentachlorophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Phenacetin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Phenanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Phenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Pronamide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Safrol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Sodium | 230000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Sulfate | 1000 | UG/KG | 124 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Sulfide | | UG/KG | 63 | XYZU |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Tetraethyldithiopyrophosphat | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Tin | 100 | UG/KG | 34 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Toxaphene | 2 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Tributyl Phosphate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Vanadium | 64000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | Zinc | 44000 | UG/KG | 34 | |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | gamma-BHC (Lindane) | 0 | UG/L | 17 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | m-Cresol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | m-dinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | o-Toluidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | p-Dimethylaminoazobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | p-Phenylenediamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 46 | B08CD0 | 4/01/93 | sym-Trinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | | | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,2,4,5-Tetrachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,2,4-Trichlorobenzene | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,2-Dichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,3-Dichlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1,4-Naphtoquinone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 1-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,3,4,6-Tetrachlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4,5-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4,6-Trichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4-Dichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4-Dimethylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4-Dinitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,4-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,6-Dichlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2,6-Dinitrotoluene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Acetylaminofluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Chloronaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Chlorophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Methylnaphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Naphthylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-Nitrophenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 3,3'-Dichlorobenzidine | 20 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 3,3'-Dimethylbenzidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 3-Methylcholanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 3-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4,4'-DDD | 0 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4,4'-DDE | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4,4'-DDT | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4,6-Dinitro-2-methylphenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Aminobiphenyl | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Bromophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Chloro-3-methylphenol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Chloroaniline | 20 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Chlorophenylphenyl ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Methylphenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Nitroaniline | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Nitrophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 4-Nitroquinoline-1-oxide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | 7,12-Dimethylbenz[a]anthrace | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Acenaphthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Acenaphthylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Acetophenone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aldrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Alpha,alpha-Dimethylphenethy | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Alpha-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aniline | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aramite | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1016 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1221 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1232 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1242 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1248 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1254 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Aroclor-1260 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Arsenic | 3700 | UG/KG | 43 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Barium | 100000 | UG/KG | 34 | |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzo(a)anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzo(a)pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzo(b)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzo(ghi)perylene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzo(k)fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Benzyl alcohol | 20 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Beryllium | 400 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Beta-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Bis(2-Choroethoxy)methane | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Bis(2-chloroethyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Bis(2-chloroisopropyl) ether | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Bis(2-ethylhexyl) phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Butylbenzylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Chlordane | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Chloride | 200 | UG/KG | 124 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Chlorobenzilate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Chromium | 17000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Chrysene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Cobalt | 8000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Copper | 13000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Delta-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Di-n-butylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Di-n-octylphthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Diallate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Dibenz[a,h]anthracene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Dibenzofuran | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Dieldrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Diethyl phthalate | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Dimethoate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Dimethyl phthalate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Diphenylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Endosulfan I | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Endosulfan II | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Endosulfan sulfate | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Endrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Endrin Aldehyde | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Ethyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Famphur | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Fluoranthene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Fluorene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Fluoride | 300 | UG/KG | 124 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Heptachlor | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Heptachlor epoxide | 1 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachlorobutadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachlorocyclopentadiene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachloroethane | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachlorophene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Hexachloropropene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Indeno(1,2,3-cd)pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Isodrin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Isophorone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Isosafrole | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Kepone | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Kerosene | 10000 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Lead | 5700 | UG/KG | 40 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Manganese | 270000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Methapyrilene | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Methoxychlor | 2 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Methyl methanesulfonate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitroso-di-n-dipropylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosodi-n-butylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosodiethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosodimethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosodiphenylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosomethylethylamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosomorpholine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | N-Nitrosopiperidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Naphthalene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Nickel | 15000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Nitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Nitrosopyrrolidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | O,O,O-Triethyl phosphorothio | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | O,O-diethylO-2-pyrazinylphos | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | PCDDs | | UG/KG | 51 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | PCDFs | | UG/KG | 51 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Parathion | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Pentachlorobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Pentachloronitrobenzene (PCN | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Pentachlorophenol | 50 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Phenacetin | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Phenanthrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Phenol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Pronamide | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Pyrene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Safrol | 10 | UG/KG | 19 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Sodium | 240000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Sulfate | 2000 | UG/KG | 124 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Tetraethyldithiopyrophosphat | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Tin | | UG/KG | 34 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Toxaphene | 2 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Tributyl Phosphate | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Vanadium | 35000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | Zinc | 45000 | UG/KG | 34 | |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | gamma-BHC (Lindane) | 0 | UG/KG | 17 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | m-Cresol | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | m-dinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | o-Toluidine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | p-Dimethylaminoazobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | p-Phenylenediamine | 10 | UG/KG | 19 | U |
| 299-W18-251 | 97.5 | B08CC0 | 4/06/93 | sym-Trinitrobenzene | 10 | UG/KG | 19 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1,1,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1,1-Trichloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1,2-Trichloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1-Dichloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,1-Dichloroethene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,2,3-Trichloropropane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,2-Dibromo-3-chloropropane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,2-Dibromoethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,2-Dichloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,2-Dichloropropane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,4-Dichloro-2-butene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 1,4-Dioxane | 200 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2-Hexanone | 50 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2-Picoline | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 4,4'-DDD | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 4,4'-DDE | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 4,4'-DDT | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | 4-Methyl-2-pentanone | | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Acetone | 16 | UG/KG | 16 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Acetonitrile | 200 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Acrolein | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Acrylonitrile | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aldrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Alpha-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1016 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1221 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1232 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1242 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1248 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1254 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Aroclor-1260 | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Arsenic | 2400 | UG/KG | 43 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Barium | 95000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Benzene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Beta-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Bromide | 500 | UG/KG | 124 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Bromodichloromethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Bromoform | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Carbon disulfide | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Carbon tetrachloride | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chlordane | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chloride | 1000 | UG/KG | 124 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chlorobenzene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chloroethane | 10 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chloroform | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chloroprene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Chromium | 14000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Cobalt | 8000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Copper | 10000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Delta-BHC | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Dibromochloromethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Dibromomethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Dichlorodifluoromethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Dieldrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Endosulfan I | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Endosulfan II | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Endosulfan sulfate | 1 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Endrin | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Endrin Aldehyde | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Ethyl cyanide | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Ethyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Ethylbenzene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Fluoride | 600 | UG/KG | 124 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Heptachlor | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Heptachlor epoxide | 1 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Iron | ****** | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Isobutyl alcohol | 200 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Lead | 2500 | UG/KG | 40 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Manganese | 280000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methacrylonitrile | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methoxychlor | 2 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methyl Iodide | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methyl bromide | 10 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methyl chloride | 10 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methyl ethyl ketone | 39 | UG/KG | 16 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Methylene chloride | 2 | UG/KG | 16 | B |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Nickel | 13000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Nitrate | 400 | UG/KG | 124 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | PCDDs | | UG/KG | 51 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | PCDFs | | UG/KG | 51 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Pentachloroethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Pyridine | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Sodium | 560000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Styrene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Sulfate | 7000 | UG/KG | 124 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Tetrachloroethene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Tetrahydrofuran | 21 | UG/KG | 16 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Tin | | UG/KG | 34 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Toluene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Toxaphene | 2 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Trichloroethene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Trichloromonofluoromethane | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Vanadium | 55000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Vinyl acetate | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Vinyl chloride | 10 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Xylene(m) | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Xylene(o) | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Xylene(p) | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | Zinc | 40000 | UG/KG | 34 | |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | allylchloride | 100 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | cis-1,3-Dichloropropene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | gamma-BHC (Lindane) | 0 | UG/KG | 17 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | trans-1,2-Dichloroethylene | 5 | UG/KG | 16 | U |
| 299-W18-251 | 149 | B08CD3 | 4/13/93 | trans-1,3-Dichloropropene | 5 | UG/KG | 16 | U |
| 299-W18-33 | 26 | B08CL1 | 5/12/93 | Mercury | | UG/KG | 41 | U |
| 299-W18-33 | 26 | B08CL1 | 5/12/93 | Sulfide | 20000 | UG/KG | 63 | L |
| 299-W18-33 | 50 | B08CL4 | 5/13/93 | Mercury | | UG/KG | 41 | U |
| 299-W18-33 | 50 | B08CL4 | 5/13/93 | Sulfide | 20000 | UG/KG | 63 | L |
| 299-W18-33 | 145 | B08CL8 | 5/19/93 | Mercury | | UG/KG | 41 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Arsenic | 1400 | UG/KG | 43 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Barium | 92000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Calcium | ****** | UG/KG | 34 | |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Chloride | 600 | UG/KG | 124 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Chromium | 9000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Cobalt | 10000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Copper | 10000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Fluoride | 300 | UG/KG | 124 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Iron | ****** | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Lead | 4000 | UG/KG | 40 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Manganese | 420000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Mercury | 0 | UG/KG | 41 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Nickel | 10000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Nitrate | 7000 | UG/KG | 124 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Sodium | 390000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Sulfate | 9000 | UG/KG | 124 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Tin | | UG/KG | 34 | U |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Vanadium | 69000 | UG/KG | 34 | |
| 299-W23-16 | 25 | B08CF5 | 4/20/93 | Zinc | 54000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Arsenic | 1300 | UG/KG | 43 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Barium | 95000 | UG/KG | 34 | |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Chloride | 500 | UG/KG | 124 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Chromium | 9000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Cobalt | 9000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Copper | 9000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Fluoride | 100 | UG/KG | 124 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Iron | ****** | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Lead | 3400 | UG/KG | 40 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Manganese | 360000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Mercury | 0 | UG/KG | 41 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Nickel | 11000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Nitrate | 500 | UG/KG | 124 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Sodium | 290000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Sulfate | 1000 | UG/KG | 124 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Tin | | UG/KG | 34 | U |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Vanadium | 67000 | UG/KG | 34 | |
| 299-W23-16 | 50 | B08CF6 | 4/21/93 | Zinc | 46000 | UG/KG | 34 | |
| 299-W23-16 | 200 | B08CL5 | 5/17/93 | Mercury | | UG/KG | 41 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 2,4,5-T | 2 | UG/KG | 49 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 4,4'-DDD | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 4,4'-DDE | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | 4,4'-DDT | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aldrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Alpha-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1016 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1221 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1232 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1242 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1248 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1254 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Aroclor-1260 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Arsenic | 3100 | UG/KG | 43 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Barium | 100000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Beta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Chlordane | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Chloride | 41000 | UG/KG | 124 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Chromium | 9000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Cobalt | 10000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Copper | 12000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Delta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Dieldrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Endosulfan I | 0 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Endosulfan II | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Endosulfan sulfate | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Endrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Endrin Aldehyde | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Fluoride | 300 | UG/KG | 124 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Heptachlor | 0 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Heptachlor epoxide | 1 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Iron | ****** | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Lead | 5000 | UG/KG | 40 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Manganese | 390000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Methoxychlor | 2 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Nickel | 12000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Nitrate | 2100 | UG/KG | 124 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | PCDDs | | UG/KG | 51 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | PCDFs | | UG/KG | 51 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Sodium | 400000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Sulfate | 34000 | UG/KG | 124 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Tin | | UG/KG | 34 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Toxaphene | 2 | UG/KG | 17 | U |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Vanadium | 63000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | Zinc | 52000 | UG/KG | 34 | |
| 299-W23-17 | 25 | B08CD7 | 4/12/93 | gamma-BHC (Lindane) | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1,1,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1,1-Trichloroethane | 5 | UG/KG | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1,2-Trichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1-Dichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,1-Dichloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,2,3-Trichloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,2-Dibromo-3-chloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,2-Dibromoethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,2-Dichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,2-Dichloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,4-Dichloro-2-butene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 1,4-Dioxane | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2-Hexanone | 50 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2-Picoline | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 4,4'-DDD | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 4,4'-DDE | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 4,4'-DDT | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | 4-Methyl-2-pentanone | | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Acetone | 100 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Acetonitrile | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Acrolein | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Acrylonitrile | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aldrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Alpha-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1016 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1221 | 1 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1232 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1242 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1248 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1254 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Aroclor-1260 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Arsenic | 2700 | UG/KG | 43 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Barium | 89000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Benzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Beta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Bromodichloromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Bromoform | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Carbon disulfide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Carbon tetrachloride | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chlordane | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chloride | 400 | UG/KG | 124 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chlorobenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chloroethane | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chloroform | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chloroprene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Chromium | 11000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Cobalt | 8000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Copper | 10000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Delta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Dibromochloromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Dibromomethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Dichlorodifluoromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Dieldrin | 0 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Endosulfan I | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Endosulfan II | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Endosulfan sulfate | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Endrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Endrin Aldehyde | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Ethyl cyanide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Ethyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Ethylbenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Fluoride | 100 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Heptachlor | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Heptachlor epoxide | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Iron | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Isobutyl alcohol | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Lead | 3700 | UG/KG | 40 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Manganese | 400000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methacrylonitrile | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methoxychlor | 2 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methyl Iodide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methyl bromide | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methyl chloride | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methyl ethyl ketone | 33 | UG/KG | 16 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Methylene chloride | 2 | UG/KG | 16 | B |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Nickel | 13000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | PCDDs | | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | PCDFs | | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Pentachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Potassium | ****** | UG/KG | 34 | |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Pyridine | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Silver | 20 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Sodium | 250000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Styrene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Sulfate | 500 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Tetrachloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Tetrahydrofuran | 18 | UG/KG | 16 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Tin | | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Toluene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Toxaphene | 2 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Trichloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Trichloromonofluoromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Vanadium | 60000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Vinyl acetate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Vinyl chloride | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Xylene(m) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Xylene(o) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Xylene(p) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | Zinc | 42000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | allylchloride | 100 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | cis-1,3-Dichloropropene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | gamma-BHC (Lindane) | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | trans-1,2-Dichloroethylene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF3 | 4/13/93 | trans-1,3-Dichloropropene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1,1,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1,1-Trichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1,2-Trichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1-Dichloroethane | 5 | UG/KG | 16 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,1-Dichloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,2,3-Trichloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,2-Dibromo-3-chloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,2-Dibromoethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,2-Dichloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,2-Dichloropropane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,4-Dichloro-2-butene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,4-Dichlorobenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 1,4-Dioxane | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2,3,7,8-TCDD | 0 | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2,4,5-T | 2 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2,4,5-TP | 2 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2,4-D | 10 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2-Hexanone | 50 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2-Picoline | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 2-sec-Butyl-4,6-dinitropheno | 1 | UG/KG | 49 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 4,4'-DDD | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 4,4'-DDE | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 4,4'-DDT | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | 4-Methyl-2-pentanone | | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Acetone | 100 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Acetonitrile | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Acrolein | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Acrylonitrile | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aldrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Alpha-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Antimony | 200 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1016 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1221 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1232 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1242 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1248 | 1 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1254 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Aroclor-1260 | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Arsenic | 2100 | UG/KG | 43 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Barium | 94000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Benzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Beryllium | 3 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Beta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Bromide | 500 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Bromodichloromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Bromoform | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Cadmium | 10 | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Calcium | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Carbon disulfide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Carbon tetrachloride | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chlordane | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chloride | 200 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chlorobenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chloroethane | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chloroform | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chloroprene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Chromium | 11000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Cobalt | 9000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Copper | 9000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Cyanide | 20 | UG/KG | 56 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Delta-BHC | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Dibromochloromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Dibromomethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Dichlorodifluoromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Dieldrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Endosulfan I | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Endosulfan II | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Endosulfan sulfate | 1 | UG/KG | 17 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Endrin | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Endrin Aldehyde | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Ethyl cyanide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Ethyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Ethylbenzene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Fluoride | 100 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Heptachlor | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Heptachlor epoxide | 1 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Iron | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Isobutyl alcohol | 200 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Lead | 3600 | UG/KG | 40 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Magnesium | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Manganese | 390000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methacrylonitrile | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methoxychlor | 2 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methyl Iodide | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methyl bromide | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methyl chloride | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methyl ethyl ketone | 47 | UG/KG | 16 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methyl methacrylate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Methylene chloride | 3 | UG/KG | 16 | B |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Nickel | 14000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Nitrate | 200 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Nitrite | 200 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | PCDDs | | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | PCDFs | | UG/KG | 51 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Pentachloroethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Phosphate | 400 | UG/KG | 124 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Potassium | ****** | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Pyridine | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Selenium | 10 | UG/KG | 48 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Silver | 20 | UG/KG | 34 | U |

| Well | Depth in Feet | Sample No | Collect Date | Compound | Result | Units | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Sodium | 230000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Styrene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Sulfate | 1000 | UG/KG | 124 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Sulfide | 10000 | UG/KG | 63 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Tetrachloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Tetrahydrofuran | 25 | UG/KG | 16 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Thallium | 5 | UG/KG | 42 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Tin | | UG/KG | 34 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Toluene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Toxaphene | 2 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Trichloroethene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Trichloromonofluoromethane | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Vanadium | 58000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Vinyl acetate | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Vinyl chloride | 10 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Xylene(m) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Xylene(o) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Xylene(p) | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | Zinc | 44000 | UG/KG | 34 | |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | allylchloride | 100 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | cis-1,3-Dichloropropene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | gamma-BHC (Lindane) | 0 | UG/KG | 17 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | trans-1,2-Dichloroethylene | 5 | UG/KG | 16 | U |
| 299-W23-17 | 45 | B08CF4 | 4/13/93 | trans-1,3-Dichloropropene | 5 | UG/KG | 16 | U |

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# APPENDIX D

# RADIOLOGICAL WELL SEDIMENT DATA

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Groundwater Monitoring Well 299-23-17

| Feet BGS | Am-241 | Ac-226 | Bi-212 /214 | Cs-137 | K-40 | Pb-212 214 | Tl-208 | Pu-239 | Sr-90 | *U-238 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | <0.9 | 0.84 | --/0.81 | <0.05 | 16. | 0.9/214 | 0.30 | <0.5 | <0.50 | 0.18 |
| 10 | <0.9 | 0.64 | 0.65/-- | <0.04 | 13. | --/0.6 | 0.21 | <0.4 | <0.73 | 0.12 |
| 20 | <0.8 | 0.46 | --/0.48 | <0.04 | 10 | --/0.5 | 0.17 | <0.4 | <0.62 | 0.13 |
| 25 | <1.0 | ND | -- | <0.11 | -- | -- | -- | <0.5 | 0.29 | 0.50 |
| 25 | <1.0 | ND | -- | <0.14 | -- | -- | -- | <0.4 | 0.29 | 0.17 |
| 30 | <0.8 | 0.38 | --/0.41 | <0.03 | 10 | --/0.4 | 0.13 | <0.4 | 0.45 | 0.05 |
| 40 | <1.0 | 0.46 | 0.48/-- | <0.05 | 15 | --/0.6 | 0.2 | <0.5 | <0.41 | 0.10 |
| 45 | <1.0 | 0.78 | 0.80/-- | <0.05 | 15 | --/0.9 | 0.25 | <0.5 | $7.0E^{-7}$ | 0.11 |
| 135 | <1.0 | 1.01 | --/0.68 | <0.04 | 15 | 0.9/0.8 | 0.33 | <0.5 | 0.93 | 0.24 |
| 149 | <0.9 | 0.56 | --/0.60 | <0.04 | 8.9 | --/0.7 | 0.17 | <0.4 | 0.34 | 0.22 |
| 200 | <0.8 | 0.49 | 0.36/-- | <0.03 | 131 | 0.4/-- | <0.1 | <0.4 | <0.39 | 0.10 |

Units equal picocuries/gram.
< Less than Detection
-- No Data.
* Total uranium in grams/gram converted to U-238. Specific activity is $3.3E^{-7}$ curies/gram.

Groundwater Monitoring Well 299-18-33

| Feet BGS | Am-241 | Ac-228 | Bi-212 /214 | Cs-137 | K-40 | Pb-212 /214 | Tl-208 | Pu-239 | Sr-90 | *U-238 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | <1.0 | 0.85 | --/0.58 | <0.05 | 16. | --/0.6 | 0.26 | <0.5 | 0.5 | 0.18 |
| 10 | <0.9 | 0.47 | 0.38/-- | <0.04 | 14. | --/0.5 | 0.19 | <0.4 | <0.31 | 1.14 |
| 20 | <0.8 | 0.51 | --/0.48 | <0.04 | 111 | --/0.5 | 0.17 | <0.4 | <0.36 | 0.13 |
| 26 | <0.9 | 0.49 | 0.44/-- | <0.03 | 12 | 0.47/-- | 0.17 | <0.5 | 0.40 | 0.11 |
| 26 | <1.0 | 0.69 | 0.39/-- | <0.04 | 12 | 0.54/-- | 0.18 | <0.5 | 3.1 | 0.08 |
| 30 | <0.9 | 0.66 | --/0.39 | <0.04 | 130 | 0.5/0.4 | 0.21 | <0.4 | 0.43 | 0.07 |
| 40 | <0.9 | 0.46 | 0.46/-- | <0.17 | 13 | 0.5/0.5 | 0.2 | <0.8 | 0.46 | 0.08 |
| 50 | <0.9 | 0.50 | 0.39/0.4 | <0.03 | 12 | 0.5/0.5 | 0.15 | <0.4 | 0.67 | 0.09 |
| 50 | <0.9 | 0.70 | --/0.57 | 0.18 | 179 | 0.6/0.7 | 0.22 | <0.5 | 0.72 | 0.07 |
| 135 | <1.0 | 1.29 | --/1.13 | <0.07 | 19 | --/1.1 | 0.4 | <0.5 | 0.67 | 0.50 |
| 145 | <0.9 | 0.62 | 0.78/-- | <0.05 | 8.8 | 0.8/0.8 | 0.26 | 1.4 | 0.59 | 0.30 |
| 200 | -- | -- | -- | -- | -- | --/-- | -- | -- | -- | -- |

Perched Water Monitoring Well 299-W18-250

| Feet BGS | Am-241 | Ac-228 | Bi-212 /214 | Cs-137 | K-40 | Pb-212 /214 | Tl-208 | Pu-239 | Sr-90 | U-238* |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | <0.9 | -- | -- | <0.16 | -- | -- | -- | <6.1 | $<6.1E^{-7}$ | 0.21 |
| 11 | <0.8 | -- | -- | <0.15 | -- | -- | -- | <0.4 | $5.8E^{-7}$ | 0.11 |
| 14 | <0.9 | -- | -- | <0.12 | -- | -- | -- | <0.5 | $<2.5E^{-7}$ | 0.17 |
| 16 | <0.9 | -- | -- | <0.14 | -- | -- | -- | <0.4 | $<7.1E^{-7}$ | 0.20 |
| 18 | <1.0 | -- | -- | <0.14 | -- | -- | -- | <0.4 | $4.1E^{-7}$ | 0.17 |
| 20 | <1.0 | -- | -- | <0.14 | -- | -- | -- | <0.5 | <0.82 | 0.21 |
| 25 | <1.0 | -- | -- | <0.11 | -- | -- | -- | <0.5 | $<5.2E^{-7}$ | 0.12 |
| 50 | <0.9 | -- | -- | <0.15 | -- | -- | -- | <0.4 | 0.45 | 0.21 |
| 65 | <0.8 | 0.6 | --/0.5 | <.038 | 1.4 | 5.0/5.7 | 0.23 | <0.4 | 0.17 | 0.10 |

Units equal picocuries/gram.
< Less than Detection
-- No Data.
* Total uranium in grams/gram converted to U-238. Specific activity is $3.3E^{-7}$ curies/gram.

Perched Water Monitoring Well 299-W18-251

| Feet BGS | Am-241 | Ac-228 | Bi-212 /214 | Cs-137 | K-40 | Pb-212 /214 | Tl-208 | Pu-239 | Sr-90 | *U-238 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | <0.9 | 0.78 | 0.62/0.7 | <0.04 | 16. | 0.7/0.7 | 0.24 | <0.8 | <0.4 | 0.40 |
| 11 | <0.8 | 0.70 | --/0.58 | <0.04 | 13. | 0.7/0.6 | 0.23 | <0.4 | <0.4 | 0.14 |
| 14 | <0.9 | 0.46 | 0.41/0.4 | <0.04 | 13 | 0.7/0.4 | 0.17 | <0.5 | <0.3 | 0.12 |
| 16 | <1.0 | <0.6 | --/0.39 | <0.04 | 12 | 0.5/0.4 | 0.17 | <0.5 | <0.3 | 0.11 |
| 18 | <0.9 | 0.3 | --/0.38 | <0.04 | 12 | 0.5/0.4 | 0.15 | <0.4 | 0.8 | 0.13 |
| 20 | <1.0 | 0.54 | --/0.45 | <0.04 | 12 | 0.5/0.4 | 0.17 | <0.5 | <0.5 | 0.11 |
| 25 | <0.9 | 0.56 | --/0.45 | <0.03 | 11 | 0.5/0.5 | 0.2 | <0.5 | <0.4 | 0.10 |
| 25 | <1.0 | 0.54 | --/0.47 | <0.04 | 12 | 0.5/0.5 | 0.16 | <0.5 | <0.8 | 0.83 |
| 46 | <1.0 | 0.75 | --/0.38 | <0.05 | 14 | 0.6/0.7 | 0.2 | <0.5 | 5.7 | 0.76 |
| 98 | <1.0 | 0.94 | --/0.58 | <0.05 | -- | 0.7/0.8 | 0.29 | <0.5 | 0.5 | 0.14 |
| 128 | <1.0 | -- | -- | <0.09 | -- | -- | -- | <0.5 | 0.6 | 0.17 |
| 149 | <0.8 | -- | -- | <0.09 | -- | -- | -- | <0.4 | 0.4 | 0.07 |

Groundwater Monitoring Well 299-23-16

| Feet BGS | Am-241 | Ac-228 | Bi-212/ 214 | Cs-137 | K-40 | Pb-212 /214 | Tl-208 | Pu-239 | Sr-90 | *U-238 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | <0.9 | 0.63 | --/0.48 | <0.04 | 12. | --/0.5 | 0.16 | <0.4 | 0.25 | 0.80 |
| 10 | <1.0 | 0.82 | | <0.04 | 16. | --/0.6 | 0.28 | <0.5 | <0.50 | 0.19 |
| 20 | <1.0 | 0.61 | --/0.49 | <0.03 | 12 | --/0.2 | 0.17 | <0.5 | <0.40 | 0.90 |
| 25 | <1.0 | <0.7 | 0.60/-- | <0.05 | 17 | --/0.7 | 0.23 | <0.5 | <0.66 | 0.13 |
| 30 | <1.0 | 0.7 | --/0.59 | <0.04 | 15 | --/0.6 | 0.29 | <0.5 | 0.62 | 0.15 |
| 40 | <1.0 | 0.51 | --/0.37 | <0.04 | 11 | --/0.4 | 0.13 | <0.5 | 0.32 | 0.15 |
| 50 | <1.0 | 0.76 | 0.46/-- | <0.04 | 13 | --/0.5 | 0.2 | <0.5 | <0.67 | 1.15E5 |
| 135 | <0.9 | 1.00 | 0.63/-- | <0.05 | 17 | --/0.7 | 0.33 | <0.5 | 0.97 | 0.02 |
| 154 | <1.0 | 0.83 | --/0.92 | <0.04 | 13 | 0.9/-- | 0.28 | <0.5 | 0.55 | 0.50 |
| 200 | <0.9 | 0.44 | --/0.48 | <0.03 | 107 | 0.4/0.6 | 0.16 | <0.4 | 0.55 | 6.7E4 |
| EB | <0.9 | -- | -- | <0.03 | -- | -- | <0.3 | <0.5 | <0.20 | 0.01 |

Units equal picocuries/gram.
< Less than Detection
-- No Data.
* Total uranium in grams/gram converted to U-238. Specific activity is $3.3E^{-7}$ curies/gram.

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# APPENDIX E

# PERCHED WATER DATA

B = Blank.
J = Concentration is estimated.
L = Concentration is below CRQL but above the MDL.
pCi/L = Picocuries/Liter.
U = Undetected.
Y = Filtered sample.

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| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 1,1,1-Trichloroethane | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,1,1-Trichloroethane | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1,1,2-Trichloroethane | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,1,2-Trichloroethane | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1,1-Dichloroethane | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,1-Dichloroethane | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1,2-Dichloroethane | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,2-Dichloroethane | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1,2-Dichloroethene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,2-Dichloroethene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1,4-Dichlorobenzene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1,4-Dichlorobenzene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 1-Butanol | 4/05/93 | 16 | 1000 | | | U | ppb | 1000 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 1-Butanol | 4/08/93 | 16 | 1000 | | | U | ppb | 1000 | B08CD9 | SW-846 8240 |
| 299-W18-250 | 2,3,7,8-TCDD | 4/05/93 | 51 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8280 |
| 299-W18-250 | 2,3,7,8-TCDD | 4/08/93 | 51 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8280 |
| 299-W18-250 | 2,4,5-T | 4/05/93 | 49 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8150 |
| 299-W18-250 | 2,4,5-T | 4/08/93 | 49 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8150 |
| 299-W18-250 | 2,4,5-T | 4/22/93 | 49 | 0 | | | U | ppb | 2 | B08CG8 | SW-846 8150 |
| 299-W18-250 | 2,4,5-TP | 4/05/93 | 49 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8150 |
| 299-W18-250 | 2,4,5-TP | 4/08/93 | 49 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8150 |
| 299-W18-250 | 2,4,5-TP | 4/22/93 | 49 | 0 | | | U | ppb | 2 | B08CG8 | SW-846 8150 |
| 299-W18-250 | 2,4-D | 4/05/93 | 49 | 10 | | | U | ppb | 10 | B08CD4 | SW-846 8150 |
| 299-W18-250 | 2,4-D | 4/08/93 | 49 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 8150 |
| 299-W18-250 | 2,4-D | 4/22/93 | 49 | 0 | | | U | ppb | 10 | B08CG8 | SW-846 8150 |
| 299-W18-250 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/05/93 | 49 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8150 |
| 299-W18-250 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/08/93 | 49 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8150 |
| 299-W18-250 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/22/93 | 49 | 0 | | | U | ppb | 1 | B08CG8 | SW-846 8150 |
| 299-W18-250 | 4,4'-DDD | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | 4,4'-DDD | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | 4,4'-DDE | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | 4,4'-DDE | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | 4,4'-DDT | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | 4,4'-DDT | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | 4-Methyl-2-pentanone | 4/05/93 | 16 | | | | U | ppb | 50 | B08CD4 | SW-846 8240 |
| 299-W18-250 | 4-Methyl-2-pentanone | 4/08/93 | 16 | | | | U | ppb | 50 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Acetone | 4/05/93 | 16 | 100 | | | U | ppb | 100 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Acetone | 4/08/93 | 16 | 100 | | | U | ppb | 100 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Aldrin | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aldrin | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Alkalinity | 4/05/93 | 52 | 80 | | | | ppm | 50 | B08CD4 | ASTM D-1067-A |
| 299-W18-250 | Alkalinity | 4/08/93 | 52 | 100 | | | | ppm | 50 | B08CD9 | ASTM D-1067-A |
| 299-W18-250 | Alpha-BHC | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Alpha-BHC | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Americium-241 | 4/05/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08CD4 | ITAS Am-241 |
| 299-W18-250 | Americium-241 | 4/08/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08CD9 | ITAS Am-241 |
| 299-W18-250 | Ammonium ion | 4/05/93 | 54 | 100 | | | U | ppb | 100 | B08CD4 | ASTM D-1426-D |
| 299-W18-250 | Ammonium ion | 4/08/93 | 54 | 100 | | | U | ppb | 100 | B08CD9 | ASTM D-1426-D |
| 299-W18-250 | Antimony | 4/05/93 | 34 | 200 | | | U | ppb | 200 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Antimony | 4/08/93 | 34 | 200 | | | U | ppb | 200 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Antimony-125 | 4/05/93 | 140 | -9 | 14 | | U | pCi/L | | B08CD4 | ITAS Gamma Scan |
| 299-W18-250 | Antimony-125 | 4/08/93 | 140 | -14 | 16 | | U | pCi/L | | B08CD9 | ITAS Gamma Scan |
| 299-W18-250 | Aroclor-1016 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1016 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1221 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1221 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1232 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1232 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1242 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1242 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1248 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1248 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1254 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Aroclor-1254 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Aroclor-1260 | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Aroclor-1260 | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Arsenic | 4/05/93 | 43 | 7 | 6 | | | ppb | 5 | B08CD4 | SW-846 7060 |
| 299-W18-250 | Arsenic | 4/08/93 | 43 | 23 | 18 | | | ppb | 5 | B08CD9 | SW-846 7060 |
| 299-W18-250 | Barium | 4/05/93 | 34 | 240 | 1 | | | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Barium | 4/08/93 | 34 | 60 | 0 | | | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Benzene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Benzene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Beryllium | 4/05/93 | 34 | 3 | | | U | ppb | 3 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Beryllium | 4/08/93 | 34 | 3 | | | U | ppb | 3 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Beta-BHC | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Beta-BHC | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Bromide | 4/05/93 | 124 | 500 | | | U | ppb | 500 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Bromide | 4/08/93 | 124 | 500 | | | U | ppb | 500 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Bromide | 4/22/93 | 124 | 53 | | | U | ppb | 500 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Bromide | 5/19/93 | 124 | 53 | | | U | ppb | 500 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Cadmium | 4/05/93 | 34 | 10 | | | U | ppb | 10 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Cadmium | 4/08/93 | 34 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Calcium | 4/05/93 | 34 | 41000 | 12400 | | | ppb | 100 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Calcium | 4/08/93 | 34 | 28000 | 8480 | | | ppb | 100 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Carbon tetrachloride | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Carbon tetrachloride | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Cesium-137 | 4/05/93 | 140 | 1 | 5 | | U | pCi/L | 20 | B08CD4 | ITAS Gamma Scan |
| 299-W18-250 | Cesium-137 | 4/08/93 | 140 | 5 | 7 | | U | pCi/L | 20 | B08CD9 | ITAS Gamma Scan |
| 299-W18-250 | Chlordane | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Chlordane | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Chloride | 4/05/93 | 124 | 1500 | 248 | | | ppb | 200 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Chloride | 4/08/93 | 124 | 1300 | 215 | | | ppb | 200 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Chloride | 4/22/93 | 124 | 300 | 32 | | L | ppb | 200 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Chloride | 5/19/93 | 124 | 1200 | 128 | | | ppb | 200 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Chloroform | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Chloroform | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Chromium | 4/05/93 | 34 | 40 | 10 | | | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Chromium | 4/08/93 | 34 | 40 | 10 | | | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Cobalt | 4/05/93 | 34 | 20 | 4 | | | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Cobalt | 4/08/93 | 34 | 20 | | | U | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Cobalt-60 | 4/05/93 | 140 | -5 | 7 | | U | pCi/L | | B08CD4 | ITAS Gamma Scan |
| 299-W18-250 | Cobalt-60 | 4/08/93 | 140 | 5 | 4 | | | pCi/L | | B08CD9 | ITAS Gamma Scan |
| 299-W18-250 | Copper | 4/05/93 | 34 | 50 | 7 | | | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Copper | 4/08/93 | 34 | 20 | | | U | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Cyanide | 4/05/93 | 56 | 20 | | | U | ppb | 20 | B08CD4 | SW-846 9010 |
| 299-W18-250 | Cyanide | 4/08/93 | 56 | 20 | | | U | ppb | 20 | B08CD9 | SW-846 9010 |
| 299-W18-250 | Cyanide | 4/22/93 | 56 | 1 | | | U | ppb | 20 | B08CG8 | SW-846 9010 |
| 299-W18-250 | Cyanide | 5/12/93 | 56 | 1 | | | U | ppb | 20 | B08CL1 | SW-846 9010 |
| 299-W18-250 | Delta-BHC | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Delta-BHC | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Dieldrin | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Dieldrin | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Disulfoton | 4/05/93 | 29 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8140 |
| 299-W18-250 | Disulfoton | 4/08/93 | 29 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8140 |
| 299-W18-250 | Disulfoton | 5/12/93 | 29 | 0 | | | U | ppb | 2 | B08CL1 | SW-846 8140 |
| 299-W18-250 | Disulfoton | 5/13/93 | 29 | 0 | | | U | ppb | 2 | B08CL4 | SW-846 8140 |
| 299-W18-250 | Endosulfan I | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Endosulfan I | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Endosulfan II | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Endosulfan II | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Endosulfan sulfate | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Endosulfan sulfate | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Endrin | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Endrin | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Endrin Aldehyde | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Endrin Aldehyde | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Fluoride | 4/05/93 | 124 | 100 | 7 | | | ppb | 100 | B08CD4 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Fluoride | 4/08/93 | 124 | 300 | 20 | | | ppb | 100 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Fluoride | 4/22/93 | 124 | 300 | 53 | | | ppb | 100 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Fluoride | 5/19/93 | 124 | 900 | 158 | | | ppb | 100 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Gross alpha | 4/05/93 | 135 | 31 | 11 | | | pCi/L | 4 | B08CD4 | SW-846 9310, Alpha |
| 299-W18-250 | Gross alpha | 4/08/93 | 135 | 18 | 6 | | | pCi/L | 4 | B08CD9 | SW-846 9310, Alpha |
| 299-W18-250 | Gross alpha | 4/22/93 | 135 | 7 | 3 | | | pCi/L | 4 | B08CG8 | SW-846 9310, Alpha |
| 299-W18-250 | Gross beta | 4/05/93 | 136 | 34 | 6 | | | pCi/L | 8 | B08CD4 | SW-846 9310, Beta |
| 299-W18-250 | Gross beta | 4/08/93 | 136 | 22 | 4 | | | pCi/L | 8 | B08CD9 | SW-846 9310, Beta |
| 299-W18-250 | Gross beta | 4/22/93 | 136 | 14 | 2 | | | pCi/L | 8 | B08CG8 | SW-846 9310, Beta |
| 299-W18-250 | Heptachlor | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Heptachlor | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Heptachlor epoxide | 4/05/93 | 17 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Heptachlor epoxide | 4/08/93 | 17 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Iron | 4/05/93 | 34 | 54000 | 24100 | | | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Iron | 4/08/93 | 34 | 5300 | 2370 | | | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Lead | 4/05/93 | 40 | 16 | 3 | | | ppb | 5 | B08CD4 | SW-846 7421 |
| 299-W18-250 | Lead | 4/08/93 | 40 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 7421 |
| 299-W18-250 | Magnesium | 4/05/93 | 34 | 14000 | 7350 | | | ppb | 100 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Magnesium | 4/08/93 | 34 | 6300 | 3310 | | | ppb | 100 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Manganese | 4/05/93 | 34 | 1000 | 280 | | | ppb | 10 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Manganese | 4/08/93 | 34 | 120 | 34 | | | ppb | 10 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Mercury | 4/22/93 | 41 | 0 | | | U | ppb | 0 | B08CG8 | SW-846 7470 |
| 299-W18-250 | Methoxychlor | 4/05/93 | 17 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Methoxychlor | 4/08/93 | 17 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Methyl ethyl ketone | 4/05/93 | 16 | 100 | | | U | ppb | 100 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Methyl ethyl ketone | 4/08/93 | 16 | 100 | | | U | ppb | 100 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Methyl parathion | 4/05/93 | 29 | 1 | | | U | ppb | 1 | B08CD4 | SW-846 8140 |
| 299-W18-250 | Methyl parathion | 4/08/93 | 29 | 1 | | | U | ppb | 1 | B08CD9 | SW-846 8140 |
| 299-W18-250 | Methyl parathion | 5/12/93 | 29 | 0 | | | U | ppb | 1 | B08CL1 | SW-846 8140 |
| 299-W18-250 | Methyl parathion | 5/13/93 | 29 | 0 | | | U | ppb | 1 | B08CL4 | SW-846 8140 |
| 299-W18-250 | Methylene chloride | 4/05/93 | 16 | 2 | | | BU | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Methylene chloride | 4/08/93 | 16 | 2 | | | BU | ppb | 5 | B08CD9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Nickel | 4/05/93 | 34 | 40 | 11 | | | ppb | 30 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Nickel | 4/08/93 | 34 | 90 | 24 | | | ppb | 30 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Nitrate | 4/05/93 | 124 | 1100 | 95 | | | ppb | 200 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Nitrate | 4/08/93 | 124 | 400 | 35 | | | ppb | 200 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Nitrate | 4/22/93 | 124 | 44 | | | U | ppb | 200 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Nitrate | 5/19/93 | 124 | 700 | 129 | | | ppb | 200 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Nitrite | 4/05/93 | 124 | 500 | 38 | | | ppb | 200 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Nitrite | 4/08/93 | 124 | 200 | | | U | ppb | 200 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Nitrite | 4/22/93 | 124 | 38 | | | U | ppb | 200 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Nitrite | 5/19/93 | 124 | 38 | | | U | ppb | 200 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | PCDDs | 4/05/93 | 51 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8280 |
| 299-W18-250 | PCDDs | 4/08/93 | 51 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8280 |
| 299-W18-250 | PCDFs | 4/05/93 | 51 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8280 |
| 299-W18-250 | PCDFs | 4/08/93 | 51 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8280 |
| 299-W18-250 | Phorate | 4/05/93 | 29 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8140 |
| 299-W18-250 | Phorate | 4/08/93 | 29 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8140 |
| 299-W18-250 | Phorate | 5/12/93 | 29 | 0 | | | U | ppb | 2 | B08CL1 | SW-846 8140 |
| 299-W18-250 | Phorate | 5/13/93 | 29 | 0 | | | U | ppb | 2 | B08CL4 | SW-846 8140 |
| 299-W18-250 | Phosphate | 4/05/93 | 124 | 400 | | | U | ppb | 400 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 4/05/93 | 124 | 400 | | | U | ppb | 500 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 4/08/93 | 124 | 400 | | | U | ppb | 400 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 4/08/93 | 124 | 400 | | | U | ppb | 500 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 4/22/93 | 124 | 700 | 54 | | L | ppb | 400 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 4/22/93 | 124 | 700 | 54 | | L | ppb | 500 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 5/19/93 | 124 | 400 | 31 | | L | ppb | 400 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Phosphate | 5/19/93 | 124 | 400 | 31 | | L | ppb | 500 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Plutonium-238 | 4/05/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08CD4 | ITAS Isotopic Pu |
| 299-W18-250 | Plutonium-238 | 4/08/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08CD9 | ITAS Isotopic Pu |
| 299-W18-250 | Plutonium-239/40 | 4/05/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08CD4 | ITAS Isotopic Pu |
| 299-W18-250 | Plutonium-239/40 | 4/08/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08CD9 | ITAS Isotopic Pu |
| 299-W18-250 | Potassium | 4/05/93 | 34 | 7000 | 6700 | | | ppb | 300 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Potassium | 4/05/93 | 34 | 7000 | 6700 | | | ppb | 1000 | B08CD4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Potassium | 4/08/93 | 34 | 4300 | 4120 | | | ppb | 300 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Potassium | 4/08/93 | 34 | 4300 | 4120 | | | ppb | 1000 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Radium | 4/05/93 | 137 | 0 | 0 | | U | pCi/L | 1 | B08CD4 | SW-846 9315, Radium |
| 299-W18-250 | Radium | 4/08/93 | 137 | 1 | 0 | | U | pCi/L | 1 | B08CD9 | SW-846 9315, Radium |
| 299-W18-250 | Radium | 4/22/93 | 137 | 1 | 0 | | | pCi/L | 1 | B08CG8 | SW-846 9315, Radium |
| 299-W18-250 | Radium | 5/19/93 | 137 | 2 | 0 | | | pCi/L | 1 | B08CL8 | SW-846 9315, Radium |
| 299-W18-250 | Ruthenium-106 | 4/05/93 | 140 | 13 | 46 | | U | pCi/L | | B08CD4 | ITAS Gamma Scan |
| 299-W18-250 | Ruthenium-106 | 4/08/93 | 140 | 26 | 53 | | U | pCi/L | | B08CD9 | ITAS Gamma Scan |
| 299-W18-250 | Selenium | 4/05/93 | 48 | 10 | | | U | ppb | 10 | B08CD4 | SW-846 7740 |
| 299-W18-250 | Selenium | 4/08/93 | 48 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 7740 |
| 299-W18-250 | Silver | 4/05/93 | 34 | 20 | | | U | ppb | 20 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Silver | 4/08/93 | 34 | 20 | | | U | ppb | 20 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Sodium | 4/05/93 | 34 | 6100 | 1900 | | | ppb | 300 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Sodium | 4/08/93 | 34 | 11000 | 3430 | | | ppb | 300 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Sulfate | 4/05/93 | 124 | 6100 | 296 | | | ppb | 500 | B08CD4 | ASTM D-4327-88 |
| 299-W18-250 | Sulfate | 4/08/93 | 124 | 11000 | 535 | | | ppb | 500 | B08CD9 | ASTM D-4327-88 |
| 299-W18-250 | Sulfate | 4/22/93 | 124 | 2000 | 227 | | | ppb | 500 | B08CG8 | ASTM D-4327-88 |
| 299-W18-250 | Sulfate | 5/19/93 | 124 | 8000 | 851 | | | ppb | 500 | B08CL8 | ASTM D-4327-88 |
| 299-W18-250 | Sulfide | 4/05/93 | 63 | 10000 | | | U | ppb | 10000 | B08CD4 | SW-846 9030 |
| 299-W18-250 | Sulfide | 4/08/93 | 63 | 10000 | | | U | ppb | 10000 | B08CD9 | SW-846 9030 |
| 299-W18-250 | Sulfide | 5/17/93 | 63 | 40000 | 5710 | | BL | ppb | 10000 | B08CL5 | SW-846 9030 |
| 299-W18-250 | Sulfide | 5/19/93 | 63 | 30000 | 4280 | | BL | ppb | 10000 | B08CL8 | SW-846 9030 |
| 299-W18-250 | Technetium-99 | 4/05/93 | 143 | -2 | 2 | | U | pCi/L | 15 | B08CD4 | ITAS Tc-99 |
| 299-W18-250 | Technetium-99 | 4/08/93 | 143 | -1 | 2 | | U | pCi/L | 15 | B08CD9 | ITAS Tc-99 |
| 299-W18-250 | Tetrachloroethene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Tetrachloroethene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Tetrahydrofuran | 4/05/93 | 16 | | | | U | ppb | 10 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Tetrahydrofuran | 4/08/93 | 16 | | | | U | ppb | 10 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Thallium | 4/05/93 | 42 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 7841 |
| 299-W18-250 | Thallium | 4/08/93 | 42 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 7841 |
| 299-W18-250 | Tin | 4/05/93 | 34 | 100 | | | U | ppb | 100 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Tin | 4/08/93 | 34 | 100 | | | U | ppb | 100 | B08CD9 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-250 | Toluene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Toluene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Total Dissolved Solids | 4/05/93 | 65 | 140 | | | B | ppm | 10 | B08CD4 | Std Meth #209B |
| 299-W18-250 | Total Dissolved Solids | 4/08/93 | 65 | 160 | | | B | ppm | 10 | B08CD9 | Std Meth #209B |
| 299-W18-250 | Total Organic Carbon | 4/05/93 | 122 | 1000 | | | U | ppb | 1000 | B08CD4 | SW-846 9060 |
| 299-W18-250 | Total Organic Carbon | 4/08/93 | 122 | 1000 | | | U | ppb | 1000 | B08CD9 | SW-846 9060 |
| 299-W18-250 | Total Organic Halogen | 4/05/93 | 67 | 10 | | | U | ppb | 10 | B08CD4 | SW-846 9020 |
| 299-W18-250 | Total Organic Halogen | 4/08/93 | 67 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 9020 |
| 299-W18-250 | Toxaphene | 4/05/93 | 17 | 2 | | | U | ppb | 2 | B08CD4 | SW-846 8080 |
| 299-W18-250 | Toxaphene | 4/08/93 | 17 | 2 | | | U | ppb | 2 | B08CD9 | SW-846 8080 |
| 299-W18-250 | Trichloroethene | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Trichloroethene | 4/08/93 | 16 | 5 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Tritium | 4/05/93 | 142 | 102 | 224 | | U | pCi/L | 500 | B08CD4 | ITAS H-3 |
| 299-W18-250 | Tritium | 4/08/93 | 142 | -27 | 217 | | U | pCi/L | 500 | B08CD9 | ITAS H-3 |
| 299-W18-250 | Turbidity | 4/05/93 | 126 | 100 | | | | NTU | 0 | B08CD4 | Std Meth #214A |
| 299-W18-250 | Turbidity | 4/08/93 | 126 | 9 | | | | NTU | 0 | B08CD9 | Std Meth #214A |
| 299-W18-250 | Uranium | 4/05/93 | 145 | 1 | | | U | ppb | 1 | B08CD4 | ITAS Gross U |
| 299-W18-250 | Uranium | 4/08/93 | 145 | 1 | | | U | ppb | 1 | B08CD9 | ITAS Gross U |
| 299-W18-250 | Vanadium | 4/05/93 | 34 | 80 | 17 | | | ppb | 30 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Vanadium | 4/08/93 | 34 | 50 | 10 | | | ppb | 30 | B08CD9 | SW-846 6010 |
| 299-W18-250 | Vinyl chloride | 4/05/93 | 16 | 10 | | | U | ppb | 10 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Vinyl chloride | 4/08/93 | 16 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Xylenes (total) | 4/05/93 | 16 | 5 | | | U | ppb | 5 | B08CD4 | SW-846 8240 |
| 299-W18-250 | Xylenes (total) | 4/08/93 | 16 | 3 | | | U | ppb | 5 | B08CD9 | SW-846 8240 |
| 299-W18-250 | Zinc | 4/05/93 | 34 | 120 | 37 | | | ppb | 10 | B08CD4 | SW-846 6010 |
| 299-W18-250 | Zinc | 4/08/93 | 34 | 10 | | | U | ppb | 10 | B08CD9 | SW-846 6010 |
| 299-W18-250 | gamma-BHC (Lindane) | 4/05/93 | 17 | 0 | | | U | ppb | 0 | B08CD4 | SW-846 8080 |
| 299-W18-250 | gamma-BHC (Lindane) | 4/08/93 | 17 | 0 | | | U | ppb | 0 | B08CD9 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | 2,4,5-T | 6/16/93 | 49 | 0 | | | U | ppb | 2 | B08NH6 | SW-846 8150 |
| 299-W18-251 | 2,4,5-TP | 6/16/93 | 49 | 0 | | | U | ppb | 2 | B08NH6 | SW-846 8150 |
| 299-W18-251 | 2,4-D | 6/16/93 | 49 | 0 | | | U | ppb | 10 | B08NH6 | SW-846 8150 |
| 299-W18-251 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 6/16/93 | 49 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8150 |
| 299-W18-251 | 4,4'-DDD | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | 4,4'-DDE | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | 4,4'-DDT | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aldrin | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Alkalinity | 6/16/93 | 52 | 100 | | | | ppm | 50 | B08NH6 | ASTM D-1067-A |
| 299-W18-251 | Alpha-BHC | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aluminum | 6/16/93 | 34 | 33 | | Y | U | ppb | 200 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Aluminum | 6/16/93 | 34 | 100 | | | L | ppb | 200 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Americium-241 | 6/16/93 | 147 | 0 | 0 | | | pCi/L | 0 | B08NH6 | ITAS Am-241 |
| 299-W18-251 | Ammonium ion | 6/16/93 | 54 | 39 | | | U | ppb | 100 | B08NH6 | ASTM D-1426-D |
| 299-W18-251 | Antimony | 6/16/93 | 34 | 69 | | | U | ppb | 200 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Antimony, filtered | 6/16/93 | 34 | 69 | | Y | U | ppb | 200 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Antimony-125 | 6/16/93 | 140 | -3 | 16 | | U | pCi/L | | B08NH6 | ITAS Gamma Scan |
| 299-W18-251 | Aroclor-1016 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1221 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1232 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1242 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1248 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1254 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Aroclor-1260 | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Arsenic | 6/16/93 | 43 | 23 | 18 | | | ppb | 5 | B08NH6 | SW-846 7060 |
| 299-W18-251 | Arsenic, filtered | 6/16/93 | 43 | 22 | 18 | Y | | ppb | 5 | B08NH7 | SW-846 7060 |
| 299-W18-251 | Barium | 6/16/93 | 34 | 48 | 0 | | | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Barium, filtered | 6/16/93 | 34 | 48 | 0 | Y | | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Beryllium | 6/16/93 | 34 | 1 | | | U | ppb | 3 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Beryllium, filtered | 6/16/93 | 34 | 1 | | Y | U | ppb | 3 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Beta-BHC | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | Bromide | 6/16/93 | 124 | 53 | | | U | ppb | 500 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Cadmium | 6/16/93 | 34 | 5 | | | U | ppb | 10 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Cadmium, filtered | 6/16/93 | 34 | 5 | | Y | U | ppb | 10 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Calcium | 6/16/93 | 34 | 29000 | 8790 | | | ppb | 100 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Calcium, filtered | 6/16/93 | 34 | 27000 | 8180 | Y | | ppb | 100 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Cesium-137 | 6/16/93 | 140 | -2 | 6 | | U | pCi/L | 20 | B08NH6 | ITAS Gamma Scan |
| 299-W18-251 | Chlordane | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Chloride | 6/16/93 | 124 | 1800 | 298 | | | ppb | 200 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Chromium | 6/16/93 | 34 | 5 | | | U | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Chromium, filtered | 6/16/93 | 34 | 5 | | Y | U | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Cobalt | 6/16/93 | 34 | 4 | | | U | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Cobalt, filtered | 6/16/93 | 34 | 4 | | Y | U | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Cobalt-60 | 6/16/93 | 140 | 5 | 4 | | | pCi/L | | B08NH6 | ITAS Gamma Scan |
| 299-W18-251 | Copper | 6/16/93 | 34 | 3 | | | U | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Copper, filtered | 6/16/93 | 34 | 3 | | Y | U | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Cyanide | 6/16/93 | 56 | 1 | | | U | ppb | 20 | B08NH6 | SW-846 9010 |
| 299-W18-251 | Delta-BHC | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Dieldrin | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Disulfoton | 6/16/93 | 29 | 0 | | | U | ppb | 2 | B08NH6 | SW-846 8140 |
| 299-W18-251 | Endosulfan I | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Endosulfan II | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Endosulfan sulfate | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Endrin | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Endrin Aldehyde | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Fluoride | 6/16/93 | 124 | 300 | 20 | | | ppb | 100 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Gross alpha | 6/16/93 | 135 | 29 | 7 | | | pCi/L | 4 | B08NH6 | SW-846 9310, Alpha |
| 299-W18-251 | Gross beta | 6/16/93 | 136 | 19 | 4 | | | pCi/L | 8 | B08NH6 | SW-846 9310, Beta |
| 299-W18-251 | Heptachlor | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Heptachlor epoxide | 6/16/93 | 17 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Iron | 6/16/93 | 34 | 190 | 85 | | | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Iron, filtered | 6/16/93 | 34 | 10 | | Y | U | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Lead | 6/16/93 | 40 | 1 | 0 | | L | ppb | 5 | B08NH6 | SW-846 7421 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | Lead, filtered | 6/16/93 | 40 | 1 | | Y | U | ppb | 5 | B08NH7 | SW-846 7421 |
| 299-W18-251 | Magnesium | 6/16/93 | 34 | 6200 | 3250 | | | ppb | 100 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Magnesium, filtered | 6/16/93 | 34 | 6000 | 3150 | Y | | ppb | 100 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Manganese | 6/16/93 | 34 | 50 | 14 | | | ppb | 10 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Manganese, filtered | 6/16/93 | 34 | 44 | 12 | Y | | ppb | 10 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Mercury | 6/16/93 | 41 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 7470 |
| 299-W18-251 | Mercury, filtered | 6/16/93 | 41 | 0 | | Y | U | ppb | 0 | B08NH7 | SW-846 7470 |
| 299-W18-251 | Methoxychlor | 6/16/93 | 17 | 0 | | | U | ppb | 2 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Methyl parathion | 6/16/93 | 29 | 0 | | | U | ppb | 1 | B08NH6 | SW-846 8140 |
| 299-W18-251 | Nickel | 6/16/93 | 34 | 18 | | | U | ppb | 30 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Nickel, filtered | 6/16/93 | 34 | 18 | | Y | U | ppb | 30 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Nitrate | 6/16/93 | 124 | 700 | 61 | | | ppb | 200 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Nitrite | 6/16/93 | 124 | 38 | | | U | ppb | 200 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Phorate | 6/16/93 | 29 | 0 | | | U | ppb | 2 | B08NH6 | SW-846 8140 |
| 299-W18-251 | Phosphate | 6/16/93 | 124 | 147 | | | U | ppb | 400 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Phosphate | 6/16/93 | 124 | 147 | | | U | ppb | 500 | B08NH6 | ASTM D-4327-88 |
| 299-W18-251 | Plutonium-238 | 6/16/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08NH6 | ITAS Isotopic Pu |
| 299-W18-251 | Plutonium-239/40 | 6/16/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08NH6 | ITAS Isotopic Pu |
| 299-W18-251 | Potassium | 6/16/93 | 34 | 4500 | 4310 | | | ppb | 300 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Potassium | 6/16/93 | 34 | 4500 | 4310 | | | ppb | 1000 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Potassium, filtered | 6/16/93 | 34 | 4400 | 4210 | Y | | ppb | 300 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Potassium, filtered | 6/16/93 | 34 | 4400 | 4210 | Y | | ppb | 1000 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Ruthenium-106 | 6/16/93 | 140 | -4 | 52 | | U | pCi/L | | B08NH6 | ITAS Gamma Scan |
| 299-W18-251 | Selenium | 6/16/93 | 48 | 1 | | | U | ppb | 10 | B08NH6 | SW-846 7740 |
| 299-W18-251 | Selenium, filtered | 6/16/93 | 48 | 1 | | Y | U | ppb | 10 | B08NH7 | SW-846 7740 |
| 299-W18-251 | Silver | 6/16/93 | 34 | 3 | | | U | ppb | 20 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Silver, filtered | 6/16/93 | 34 | 3 | | Y | U | ppb | 20 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Sodium | 6/16/93 | 34 | 7900 | 2460 | | | ppb | 300 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Sodium, filtered | 6/16/93 | 34 | 8900 | 2780 | Y | | ppb | 300 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Specific conductance | 6/16/93 | 73 | 220 | | | | umhos | | B08NH6 | ASTM D-1125-A |
| 299-W18-251 | Strontium-90 | 6/16/93 | 141 | 0 | 0 | | U | pCi/L | 5 | B08NH6 | ITAS Sr-90 |
| 299-W18-251 | Sulfate | 6/16/93 | 124 | 13000 | 632 | | | ppb | 500 | B08NH6 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-251 | Sulfide | 6/16/93 | 63 | 10000 | | | U | ppb | 10000 | B08NH6 | SW-846 9030 |
| 299-W18-251 | Technetium-99 | 6/16/93 | 143 | 1 | 2 | | U | pCi/L | 15 | B08NH6 | ITAS Tc-99 |
| 299-W18-251 | Thallium | 6/16/93 | 42 | 1 | | | U | ppb | 5 | B08NH6 | SW-846 7841 |
| 299-W18-251 | Thallium, filtered | 6/16/93 | 42 | 1 | | Y | U | ppb | 5 | B08NH7 | SW-846 7841 |
| 299-W18-251 | Tin | 6/16/93 | 34 | 51 | | | U | ppb | 100 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Tin, filtered | 6/16/93 | 34 | 51 | | Y | U | ppb | 100 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Total Dissolved Solids | 6/16/93 | 65 | 170 | | | B | ppm | 10 | B08NH6 | Std Meth #209B |
| 299-W18-251 | Total Organic Carbon | 6/16/93 | 122 | 600 | | | L | ppb | 1000 | B08NH6 | SW-846 9060 |
| 299-W18-251 | Total Organic Halogen | 6/16/93 | 67 | 8 | | | U | ppb | 10 | B08NH6 | SW-846 9020 |
| 299-W18-251 | Toxaphene | 6/16/93 | 17 | 1 | | | U | ppb | 2 | B08NH6 | SW-846 8080 |
| 299-W18-251 | Tritium | 6/16/93 | 142 | 65 | 240 | | U | pCi/L | 500 | B08NH6 | ITAS H-3 |
| 299-W18-251 | Uranium-234 | 6/16/93 | 148 | 14 | 1 | | | pCi/L | 0 | B08NH6 | ITAS Isotopic U |
| 299-W18-251 | Uranium-235 | 6/16/93 | 148 | 1 | 0 | | | pCi/L | 0 | B08NH6 | ITAS Isotopic U |
| 299-W18-251 | Uranium-238 | 6/16/93 | 148 | 15 | 2 | | | pCi/L | 0 | B08NH6 | ITAS Isotopic U |
| 299-W18-251 | Vanadium | 6/16/93 | 34 | 33 | 7 | | | ppb | 30 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Vanadium, filtered | 6/16/93 | 34 | 37 | 8 | Y | | ppb | 30 | B08NH7 | SW-846 6010 |
| 299-W18-251 | Zinc | 6/16/93 | 34 | 3 | | | U | ppb | 10 | B08NH6 | SW-846 6010 |
| 299-W18-251 | Zinc, filtered | 6/16/93 | 34 | 3 | | Y | U | ppb | 10 | B08NH7 | SW-846 6010 |
| 299-W18-251 | gamma-BHC (Lindane) | 6/16/93 | 17 | 0 | | | U | ppb | 0 | B08NH6 | SW-846 8080 |
| 299-W18-251 | pH | 6/16/93 | 125 | 8 | | | | pH | | B08NH6 | ASTM D-1293 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | 1,1,1,2-Tetrachloroethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,1,1-Trichloroethane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,1,2,2-Tetrachloroethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,1,2-Trichloroethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,1-Dichloroethene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2,3-Trichloropropane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2-Dibromo-3-chloropropane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2-Dibromoethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | 1,2-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloroethene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,2-Dichloropropane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | 1,4-Dichlorobenzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1,4-Dioxane | 7/27/93 | 16 | 44 | | | U | ppb | 200 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 3/25/92 | 16 | 1000 | | | U | ppb | 1000 | B06544 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074N5 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 10/16/92 | 16 | 1000 | | | U | ppb | 1000 | B07J90 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 12/01/92 | 16 | 1000 | | | U | ppb | 1000 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 2/03/93 | 16 | 1000 | | | U | ppb | 1000 | B08417 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 5/05/93 | 16 | 13 | | | U | ppb | 1000 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 1-Butanol | 7/27/93 | 16 | 13 | | | U | ppb | 1000 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 2-Hexanone | 7/27/93 | 16 | 1 | | | U | ppb | 50 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | 4,4'-DDD | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | 4,4'-DDE | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | 4,4'-DDT | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | 4-Methyl-2-pentanone | 3/25/92 | 16 | 50 | | | U | ppb | 50 | B06544 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074N5 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 10/16/92 | 16 | 50 | | | U | ppb | 50 | B07J90 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 12/01/92 | 16 | 50 | | | U | ppb | 50 | B07QG5 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 2/03/93 | 16 | 50 | | | U | ppb | 50 | B08417 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 5/05/93 | 16 | 1 | | | U | ppb | 50 | B08HT3 | SW-846 8240 |
| 299-W19-91 | 4-Methyl-2-pentanone | 7/27/93 | 16 | 1 | | | U | ppb | 50 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Acetone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06544 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N5 | SW-846 8240 |
| 299-W19-91 | Acetone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J90 | SW-846 8240 |
| 299-W19-91 | Acetone | 12/01/92 | 16 | 71 | | | B | ppb | 100 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Acetone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08417 | SW-846 8240 |
| 299-W19-91 | Acetone | 5/05/93 | 16 | 13 | | | U | ppb | 100 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Acetone | 7/27/93 | 16 | 13 | | | U | ppb | 100 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Acetonitrile | 7/27/93 | 16 | 19 | | | U | ppb | 200 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Acrolein | 7/27/93 | 16 | 10 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Acrylonitrile | 7/27/93 | 16 | 4 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Aldrin | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Alkalinity | 7/27/93 | 52 | 80 | | | | ppm | 50 | B08MQ8 | ASTM D-1067-A |
| 299-W19-91 | Alpha-BHC | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aluminum | 5/05/93 | 34 | 500 | | | | ppb | 200 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Aluminum | 8/30/93 | 34 | 290 | | | | ppb | 200 | B091J0 | SW-846 6010 |
| 299-W19-91 | Americium-241 | 10/16/92 | 147 | -0 | 0 | | U | pCi/L | 0 | B07J90 | ITAS Am-241 |
| 299-W19-91 | Americium-241 | 2/03/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08417 | ITAS Am-241 |
| 299-W19-91 | Americium-241 | 7/27/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08MQ8 | ITAS Am-241 |
| 299-W19-91 | Ammonium ion | 7/27/93 | 54 | 39 | | | U | ppb | 100 | B08MQ8 | ASTM D-1426-D |
| 299-W19-91 | Antimony | 3/25/92 | 34 | 200 | | | U | ppb | 200 | B06544 | SW-846 6010 |
| 299-W19-91 | Antimony | 10/16/92 | 34 | 200 | | | U | ppb | 200 | B07J90 | SW-846 6010 |
| 299-W19-91 | Antimony | 12/01/92 | 34 | 200 | | | U | ppb | 200 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Antimony | 2/03/93 | 34 | 200 | | | U | ppb | 200 | B08417 | SW-846 6010 |
| 299-W19-91 | Antimony | 5/05/93 | 34 | 69 | | | U | ppb | 200 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Antimony | 8/30/93 | 34 | 69 | | | U | ppb | 200 | B091J0 | SW-846 6010 |
| 299-W19-91 | Antimony-125 | 10/16/92 | 140 | -9 | 16 | | U | pCi/L | | B07J90 | ITAS Gamma Scan |
| 299-W19-91 | Antimony-125 | 2/03/93 | 140 | -12 | 17 | | U | pCi/L | | B08417 | ITAS Gamma Scan |
| 299-W19-91 | Antimony-125 | 7/27/93 | 140 | 7 | 13 | | U | pCi/L | | B08MQ8 | ITAS Gamma Scan |
| 299-W19-91 | Aroclor-1016 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aroclor-1221 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aroclor-1232 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aroclor-1242 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aroclor-1248 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Aroclor-1254 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Aroclor-1260 | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Arsenic | 7/27/93 | 43 | 15 | 12 | | | ppb | 5 | B08MQ8 | SW-846 7060 |
| 299-W19-91 | Barium | 3/25/92 | 34 | 7200 | 994 | | | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Barium | 10/16/92 | 34 | 1100 | 152 | | | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Barium | 12/01/92 | 34 | 720 | 99 | | | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Barium | 2/03/93 | 34 | 400 | 55 | | | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Barium | 5/05/93 | 34 | 70 | 0 | | | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Barium | 8/30/93 | 34 | 42 | 0 | | | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Benzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Benzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Benzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Benzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Benzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Benzene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Beryllium | 3/25/92 | 34 | 5 | 1 | | | ppb | 3 | B06544 | SW-846 6010 |
| 299-W19-91 | Beryllium | 10/16/92 | 34 | 3 | | | U | ppb | 3 | B07J90 | SW-846 6010 |
| 299-W19-91 | Beryllium | 12/01/92 | 34 | 3 | | | U | ppb | 3 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Beryllium | 2/03/93 | 34 | 3 | | | U | ppb | 3 | B08417 | SW-846 6010 |
| 299-W19-91 | Beryllium | 5/05/93 | 34 | 1 | | | U | ppb | 3 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Beryllium | 8/30/93 | 34 | 2 | 0 | | L | ppb | 3 | B091J0 | SW-846 6010 |
| 299-W19-91 | Beta-BHC | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Bromide | 3/25/92 | 124 | 500 | | | U | ppb | 500 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 5/05/92 | 124 | 500 | | | U | ppb | 500 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 10/16/92 | 124 | 500 | | | U | ppb | 500 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 12/01/92 | 124 | 500 | | | U | ppb | 500 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 2/03/93 | 124 | 500 | | | U | ppb | 500 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Bromide | 5/05/93 | 124 | 53 | | | U | ppb | 500 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Bromodichloromethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Bromoform | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Cadmium | 3/25/92 | 34 | 10 | | | U | ppb | 10 | B06544 | SW-846 6010 |
| 299-W19-91 | Cadmium | 10/16/92 | 34 | 10 | | | U | ppb | 10 | B07J90 | SW-846 6010 |
| 299-W19-91 | Cadmium | 12/01/92 | 34 | 10 | | | U | ppb | 10 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Cadmium | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08417 | SW-846 6010 |
| 299-W19-91 | Cadmium | 5/05/93 | 34 | 5 | | | U | ppb | 10 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Cadmium | 8/30/93 | 34 | 5 | | | U | ppb | 10 | B091J0 | SW-846 6010 |
| 299-W19-91 | Calcium | 3/25/92 | 34 | 290000 | | | | ppb | 100 | B06544 | SW-846 6010 |
| 299-W19-91 | Calcium | 10/16/92 | 34 | 58000 | | | | ppb | 100 | B07J90 | SW-846 6010 |
| 299-W19-91 | Calcium | 12/01/92 | 34 | 44000 | | | | ppb | 100 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Calcium | 2/03/93 | 34 | 37000 | | | | ppb | 100 | B08417 | SW-846 6010 |
| 299-W19-91 | Calcium | 5/05/93 | 34 | 28000 | 8480 | | | ppb | 100 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Calcium | 8/30/93 | 34 | 14000 | 4240 | | | ppb | 100 | B091J0 | SW-846 6010 |
| 299-W19-91 | Carbon disulfide | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Carbon disulfide | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Carbon tetrachloride | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Cesium-137 | 10/16/92 | 140 | 2 | 7 | | U | pCi/L | 20 | B07J90 | ITAS Gamma Scan |
| 299-W19-91 | Cesium-137 | 2/03/93 | 140 | 0 | 6 | | U | pCi/L | 20 | B08417 | ITAS Gamma Scan |
| 299-W19-91 | Cesium-137 | 7/27/93 | 140 | -4 | 6 | | U | pCi/L | 20 | B08MQ8 | ITAS Gamma Scan |
| 299-W19-91 | Chlordane | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Chloride | 3/25/92 | 124 | 1400 | 471 | | | ppb | 200 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 5/05/92 | 124 | 1400 | 471 | | | ppb | 200 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 8/12/92 | 124 | 1500 | 505 | | | ppb | 200 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 10/16/92 | 124 | 1300 | 438 | | | ppb | 200 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 12/01/92 | 124 | 1000 | 337 | | | ppb | 200 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 2/03/93 | 124 | 1200 | 404 | | | ppb | 200 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Chloride | 5/05/93 | 124 | 1200 | 199 | | | ppb | 200 | B08HT3 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Chlorobenzene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Chloroethane | 7/27/93 | 16 | 1 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Chloroform | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Chloroform | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Chloroform | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Chloroform | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Chloroform | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Chloroform | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Chloroprene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Chromium | 3/25/92 | 34 | 56 | 33 | | | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Chromium | 10/16/92 | 34 | 50 | 30 | | | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Chromium | 12/01/92 | 34 | 50 | 30 | | | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Chromium | 2/03/93 | 34 | 110 | 66 | | | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Chromium | 5/05/93 | 34 | 5 | | | U | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Chromium | 8/30/93 | 34 | 26 | 7 | | | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Cobalt | 3/25/92 | 34 | 68 | 8 | | | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Cobalt | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Cobalt | 12/01/92 | 34 | 20 | 2 | | | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Cobalt | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Cobalt | 5/05/93 | 34 | 4 | | | U | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Cobalt | 8/30/93 | 34 | 4 | | | U | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Cobalt-60 | 10/16/92 | 140 | -0 | 8 | | U | pCi/L | | B07J90 | ITAS Gamma Scan |
| 299-W19-91 | Cobalt-60 | 2/03/93 | 140 | -0 | 8 | | U | pCi/L | | B08417 | ITAS Gamma Scan |
| 299-W19-91 | Cobalt-60 | 7/27/93 | 140 | -2 | 8 | | U | pCi/L | | B08MQ8 | ITAS Gamma Scan |
| 299-W19-91 | Copper | 3/25/92 | 34 | 250 | 51 | | | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Copper | 10/16/92 | 34 | 40 | 8 | | | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Copper | 12/01/92 | 34 | 30 | 6 | | | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Copper | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Copper | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Copper | 8/30/93 | 34 | 9 | 1 | | L | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Cyanide | 7/27/93 | 358 | 1 | | | U | ppb | 20 | B08MQ8 | SW-846 9012 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Delta-BHC | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Dibromochloromethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Dibromomethane | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Dichlorodifluoromethane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Dieldrin | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Disulfoton | 7/27/93 | 29 | 0 | | | U | ppb | 2 | B08MQ8 | SW-846 8140 |
| 299-W19-91 | Endosulfan I | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Endosulfan II | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Endosulfan sulfate | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Endrin | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Endrin Aldehyde | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Ethyl cyanide | 7/27/93 | 16 | 4 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Ethyl cyanide | 7/27/93 | 16 | 4 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Ethyl methacrylate | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Ethylbenzene | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Fluoride | 3/25/92 | 124 | 100 | 21 | | | ppb | 100 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 5/05/92 | 124 | 100 | | | U | ppb | 100 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 8/12/92 | 124 | 100 | 21 | | | ppb | 100 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 10/16/92 | 124 | 100 | 21 | | | ppb | 100 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 12/01/92 | 124 | 100 | 21 | | | ppb | 100 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 2/03/93 | 124 | 200 | 42 | | | ppb | 100 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Fluoride | 5/05/93 | 124 | 200 | 13 | | | ppb | 100 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Gross alpha | 3/25/92 | 135 | 900 | 239 | | | pCi/L | 4 | B06544 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 5/05/92 | 135 | 77 | 16 | | | pCi/L | 4 | B06DY5 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 8/12/92 | 135 | 126 | 29 | | | pCi/L | 4 | B074N5 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 10/16/92 | 135 | 37 | 9 | | | pCi/L | 4 | B07J90 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 12/01/92 | 135 | 35 | 8 | | | pCi/L | 4 | B07QG5 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 2/03/93 | 135 | 12 | 4 | | | pCi/L | 4 | B08417 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 5/05/93 | 135 | 43 | 11 | | | pCi/L | 4 | B08HT3 | SW-846 9310, Alpha |
| 299-W19-91 | Gross alpha | 8/30/93 | 135 | 2 | 1 | | | pCi/L | 4 | B091J0 | SW-846 9310, Alpha |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Gross beta | 3/25/92 | 136 | 413 | 44 | | | pCi/L | 8 | B06544 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 5/05/92 | 136 | 27 | 5 | | | pCi/L | 8 | B06DY5 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 8/12/92 | 136 | 43 | 7 | | | pCi/L | 8 | B074N5 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 10/16/92 | 136 | 15 | 4 | | | pCi/L | 8 | B07J90 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 12/01/92 | 136 | 14 | 3 | | | pCi/L | 8 | B07QG5 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 2/03/93 | 136 | 10 | 3 | | | pCi/L | 8 | B08417 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 5/05/93 | 136 | 34 | 5 | | | pCi/L | 8 | B08HT3 | SW-846 9310, Beta |
| 299-W19-91 | Gross beta | 8/30/93 | 136 | 5 | 3 | | | pCi/L | 8 | B091J0 | SW-846 9310, Beta |
| 299-W19-91 | Heptachlor | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Heptachlor epoxide | 7/27/93 | 17 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Iron | 3/25/92 | 34 | 600000 | 516000 | | | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Iron | 10/16/92 | 34 | 630000 | 542000 | | | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Iron | 12/01/92 | 34 | 420000 | 361000 | | | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Iron | 2/03/93 | 34 | 210000 | 181000 | | | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Iron | 5/05/93 | 34 | 49000 | 21900 | | | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Iron | 8/30/93 | 34 | 26000 | 11600 | | | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Isobutyl alcohol | 7/27/93 | 16 | 27 | | | U | ppb | 200 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Lead | 7/27/93 | 40 | 7 | 1 | | | ppb | 5 | B08MQ8 | SW-846 7421 |
| 299-W19-91 | Magnesium | 3/25/92 | 34 | 35000 | | | | ppb | 100 | B06544 | SW-846 6010 |
| 299-W19-91 | Magnesium | 10/16/92 | 34 | 10000 | | | | ppb | 100 | B07J90 | SW-846 6010 |
| 299-W19-91 | Magnesium | 12/01/92 | 34 | 8600 | | | | ppb | 100 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Magnesium | 2/03/93 | 34 | 7000 | | | | ppb | 100 | B08417 | SW-846 6010 |
| 299-W19-91 | Magnesium | 5/05/93 | 34 | 5000 | 2630 | | | ppb | 100 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Magnesium | 8/30/93 | 34 | 3800 | 1990 | | | ppb | 100 | B091J0 | SW-846 6010 |
| 299-W19-91 | Manganese | 3/25/92 | 34 | 15000 | 2290 | | | ppb | 10 | B06544 | SW-846 6010 |
| 299-W19-91 | Manganese | 10/16/92 | 34 | 6400 | 977 | | | ppb | 10 | B07J90 | SW-846 6010 |
| 299-W19-91 | Manganese | 12/01/92 | 34 | 5400 | 825 | | | ppb | 10 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Manganese | 2/03/93 | 34 | 4100 | 626 | | | ppb | 10 | B08417 | SW-846 6010 |
| 299-W19-91 | Manganese | 5/05/93 | 34 | 690 | 193 | | | ppb | 10 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Manganese | 8/30/93 | 34 | 350 | 98 | | | ppb | 10 | B091J0 | SW-846 6010 |
| 299-W19-91 | Methacrylonitrile | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methoxychlor | 7/27/93 | 17 | 0 | | | U | ppb | 2 | B08MQ8 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Methyl Iodide | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methyl bromide | 7/27/93 | 16 | 1 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methyl chloride | 7/27/93 | 16 | 1 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06544 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N5 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J90 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 12/01/92 | 16 | 100 | | | U | ppb | 100 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08417 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 5/05/93 | 16 | 4 | | | U | ppb | 100 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Methyl ethyl ketone | 7/27/93 | 16 | 4 | | | U | ppb | 100 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methyl methacrylate | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Methyl parathion | 7/27/93 | 29 | 0 | | | U | ppb | 1 | B08MQ8 | SW-846 8140 |
| 299-W19-91 | Methylene chloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 2/03/93 | 16 | 2 | | | BJU | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 5/05/93 | 16 | 1 | | | LB | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Methylene chloride | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Nickel | 3/25/92 | 34 | 380 | 80 | | | ppb | 30 | B06544 | SW-846 6010 |
| 299-W19-91 | Nickel | 10/16/92 | 34 | 140 | 29 | | | ppb | 30 | B07J90 | SW-846 6010 |
| 299-W19-91 | Nickel | 12/01/92 | 34 | 90 | 19 | | | ppb | 30 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Nickel | 2/03/93 | 34 | 120 | 25 | | | ppb | 30 | B08417 | SW-846 6010 |
| 299-W19-91 | Nickel | 5/05/93 | 34 | 18 | | | U | ppb | 30 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Nickel | 8/30/93 | 34 | 20 | 5 | | L | ppb | 30 | B091J0 | SW-846 6010 |
| 299-W19-91 | Nitrate | 3/25/92 | 124 | 1400 | 788 | | | ppb | 200 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 5/05/92 | 124 | 600 | 338 | | | ppb | 200 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 8/12/92 | 124 | 600 | 338 | | | ppb | 200 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 10/16/92 | 124 | 500 | 281 | | | ppb | 200 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 12/01/92 | 124 | 400 | 225 | | | ppb | 200 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 2/03/93 | 124 | 1900 | 1070 | | | ppb | 200 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Nitrate | 5/05/93 | 124 | 600 | 52 | | | ppb | 200 | B08HT3 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Nitrite | 3/25/92 | 124 | 200 | | | U | ppb | 200 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 5/05/92 | 124 | 200 | | | U | ppb | 200 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 10/16/92 | 124 | 200 | | | U | ppb | 200 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 12/01/92 | 124 | 200 | | | U | ppb | 200 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 2/03/93 | 124 | 200 | | | U | ppb | 200 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Nitrite | 5/05/93 | 124 | 38 | | | U | ppb | 200 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Pentachloroethane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Phorate | 7/27/93 | 29 | 0 | | | U | ppb | 2 | B08MQ8 | SW-846 8140 |
| 299-W19-91 | Phosphate | 3/25/92 | 124 | 1000 | 272 | | | ppb | 400 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 3/25/92 | 124 | 1000 | 272 | | | ppb | 500 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 5/05/92 | 124 | 500 | 136 | | | ppb | 400 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 5/05/92 | 124 | 500 | 136 | | | ppb | 500 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 8/12/92 | 124 | 700 | 190 | | | ppb | 400 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 8/12/92 | 124 | 700 | 190 | | | ppb | 500 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 400 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 500 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 400 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 500 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 400 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 500 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 5/05/93 | 124 | 200 | 29 | | L | ppb | 400 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Phosphate | 5/05/93 | 124 | 200 | 29 | | L | ppb | 500 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Plutonium-238 | 7/27/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MQ8 | ITAS Isotopic Pu |
| 299-W19-91 | Plutonium-239/40 | 7/27/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MQ8 | ITAS Isotopic Pu |
| 299-W19-91 | Potassium | 3/25/92 | 34 | 9100 | | | | ppb | 300 | B06544 | SW-846 6010 |
| 299-W19-91 | Potassium | 3/25/92 | 34 | 9100 | | | | ppb | 1000 | B06544 | SW-846 6010 |
| 299-W19-91 | Potassium | 10/16/92 | 34 | 3900 | | | | ppb | 300 | B07J90 | SW-846 6010 |
| 299-W19-91 | Potassium | 10/16/92 | 34 | 3900 | | | | ppb | 1000 | B07J90 | SW-846 6010 |
| 299-W19-91 | Potassium | 12/01/92 | 34 | 3600 | | | | ppb | 300 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Potassium | 12/01/92 | 34 | 3600 | | | | ppb | 1000 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Potassium | 2/03/93 | 34 | 3900 | | | | ppb | 300 | B08417 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Potassium | 2/03/93 | 34 | 3900 | | | | ppb | 1000 | B08417 | SW-846 6010 |
| 299-W19-91 | Potassium | 5/05/93 | 34 | 2000 | 1910 | | | ppb | 300 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Potassium | 5/05/93 | 34 | 2000 | 1910 | | | ppb | 1000 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Potassium | 8/30/93 | 34 | 2900 | 2780 | | | ppb | 300 | B091J0 | SW-846 6010 |
| 299-W19-91 | Potassium | 8/30/93 | 34 | 2900 | 2780 | | | ppb | 1000 | B091J0 | SW-846 6010 |
| 299-W19-91 | Ruthenium-106 | 10/16/92 | 140 | -9 | 61 | | U | pCi/L | | B07J90 | ITAS Gamma Scan |
| 299-W19-91 | Ruthenium-106 | 2/03/93 | 140 | 15 | 56 | | U | pCi/L | | B08417 | ITAS Gamma Scan |
| 299-W19-91 | Ruthenium-106 | 7/27/93 | 140 | 34 | 52 | | U | pCi/L | | B08MQ8 | ITAS Gamma Scan |
| 299-W19-91 | Selenium | 7/27/93 | 48 | 1 | | | U | ppb | 10 | B08MQ8 | SW-846 7740 |
| 299-W19-91 | Silver | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06544 | SW-846 6010 |
| 299-W19-91 | Silver | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J90 | SW-846 6010 |
| 299-W19-91 | Silver | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Silver | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08417 | SW-846 6010 |
| 299-W19-91 | Silver | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Silver | 8/30/93 | 34 | 3 | | | U | ppb | 20 | B091J0 | SW-846 6010 |
| 299-W19-91 | Sodium | 3/25/92 | 34 | 6100 | | | | ppb | 300 | B06544 | SW-846 6010 |
| 299-W19-91 | Sodium | 10/16/92 | 34 | 3700 | | | | ppb | 300 | B07J90 | SW-846 6010 |
| 299-W19-91 | Sodium | 12/01/92 | 34 | 3700 | | | | ppb | 300 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Sodium | 2/03/93 | 34 | 3600 | | | | ppb | 300 | B08417 | SW-846 6010 |
| 299-W19-91 | Sodium | 5/05/93 | 34 | 2900 | 905 | | | ppb | 300 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Sodium | 8/30/93 | 34 | 3000 | 936 | | | ppb | 300 | B091J0 | SW-846 6010 |
| 299-W19-91 | Specific conductance | 3/25/92 | 73 | 190 | | | | umhos | | B06544 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 3/25/92 | 94 | 232 | | | | umhos | 1 | B06544 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 5/05/92 | 94 | 179 | | | | umhos | 1 | B06DY5 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 8/12/92 | 73 | 200 | | | | umhos | | B074N5 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 8/12/92 | 94 | 194 | | | | umhos | 1 | B074N5 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 10/16/92 | 73 | 200 | | | | umhos | | B07J90 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 10/16/92 | 94 | 194 | | | | umhos | 1 | B07J90 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 12/01/92 | 73 | 190 | | | | umhos | | B07QG5 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 12/01/92 | 94 | 201 | | | | umhos | 1 | B07QG5 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 2/03/93 | 73 | 200 | | | | umhos | | B08417 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 2/03/93 | 94 | 196 | | | | umhos | 1 | B08417 | Probe, Conductivity |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Specific conductance | 5/05/93 | 73 | 190 | | | | umhos | | B08HT3 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 5/05/93 | 94 | 178 | | | | umhos | 1 | B08HT3 | Probe, Conductivity |
| 299-W19-91 | Specific conductance | 7/27/93 | 73 | 170 | | | | umhos | | B08MQ8 | ASTM D-1125-A |
| 299-W19-91 | Specific conductance | 8/30/93 | 94 | 119 | | | | umhos | 1 | B091J0 | Probe, Conductivity |
| 299-W19-91 | Strontium-90 | 10/16/92 | 141 | 0 | 0 | | U | pCi/L | 5 | B07J90 | ITAS Sr-90 |
| 299-W19-91 | Strontium-90 | 2/03/93 | 141 | -0 | 1 | | U | pCi/L | 5 | B08417 | ITAS Sr-90 |
| 299-W19-91 | Strontium-90 | 7/27/93 | 141 | 7820 | 1463 | | | pCi/L | 5 | B08MQ8 | ITAS Sr-90 |
| 299-W19-91 | Styrene | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Sulfate | 3/25/92 | 124 | 11000 | 10600 | | | ppb | 500 | B06544 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 5/05/92 | 124 | 15000 | 14500 | | | ppb | 500 | B06DY5 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 8/12/92 | 124 | 11000 | 10600 | | | ppb | 500 | B074N5 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 10/16/92 | 124 | 7900 | 7620 | | | ppb | 500 | B07J90 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 12/01/92 | 124 | 6600 | 6370 | | | ppb | 500 | B07QG5 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 2/03/93 | 124 | 9200 | 8880 | | | ppb | 500 | B08417 | ASTM D-4327-88 |
| 299-W19-91 | Sulfate | 5/05/93 | 124 | 13000 | 632 | | | ppb | 500 | B08HT3 | ASTM D-4327-88 |
| 299-W19-91 | Sulfide | 7/27/93 | 63 | 300 | | | U | ppb | 10000 | B08MQ8 | SW-846 9030 |
| 299-W19-91 | Technetium-99 | 7/27/93 | 143 | 1 | 2 | | U | pCi/L | 15 | B08MQ8 | ITAS Tc-99 |
| 299-W19-91 | Temperature, field | 3/25/92 | 170 | 18 | | | | DegC | 0 | B06544 | Probe, temperature |
| 299-W19-91 | Temperature, field | 5/05/92 | 170 | 18 | | | | DegC | 0 | B06DY5 | Probe, temperature |
| 299-W19-91 | Temperature, field | 8/12/92 | 170 | 16 | | | | DegC | 0 | B074N5 | Probe, temperature |
| 299-W19-91 | Temperature, field | 10/16/92 | 170 | 15 | | | | DegC | 0 | B07J90 | Probe, temperature |
| 299-W19-91 | Temperature, field | 12/01/92 | 170 | 15 | | | | DegC | 0 | B07QG5 | Probe, temperature |
| 299-W19-91 | Temperature, field | 2/03/93 | 170 | 18 | | | | DegC | 0 | B08417 | Probe, temperature |
| 299-W19-91 | Temperature, field | 5/05/93 | 170 | 15 | | | | DegC | 0 | B08HT3 | Probe, temperature |
| 299-W19-91 | Temperature, field | 8/30/93 | 170 | 22 | | | | DegC | 0 | B091J0 | Probe, temperature |
| 299-W19-91 | Tetrachloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Tetrachloroethene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Tetrahydrofuran | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06544 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N5 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J90 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08417 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Tetrahydrofuran | 7/27/93 | 16 | 4 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Thallium | 7/27/93 | 42 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 7841 |
| 299-W19-91 | Tin | 3/25/92 | 34 | 100 | | | U | ppb | 100 | B06544 | SW-846 6010 |
| 299-W19-91 | Tin | 10/16/92 | 34 | 100 | | | U | ppb | 100 | B07J90 | SW-846 6010 |
| 299-W19-91 | Tin | 12/01/92 | 34 | 100 | | | U | ppb | 100 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Tin | 2/03/93 | 34 | 100 | | | U | ppb | 100 | B08417 | SW-846 6010 |
| 299-W19-91 | Tin | 5/05/93 | 34 | 51 | | | U | ppb | 100 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Tin | 8/30/93 | 34 | 51 | | | U | ppb | 100 | B091J0 | SW-846 6010 |
| 299-W19-91 | Toluene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Toluene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Toluene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Toluene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Toluene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Toluene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Total Dissolved Solids | 7/27/93 | 65 | 130 | | | B | ppm | 10 | B08MQ8 | Std Meth #209B |
| 299-W19-91 | Total Organic Carbon | 3/25/92 | 122 | 2000 | | | | ppb | 1000 | B06544 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074N5 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 10/16/92 | 122 | 1000 | | | U | ppb | 1000 | B07J90 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 12/01/92 | 122 | 1000 | | | U | ppb | 1000 | B07QG5 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 2/03/93 | 122 | 1000 | | | U | ppb | 1000 | B08417 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 5/05/93 | 122 | 400 | | | L | ppb | 1000 | B08HT3 | SW-846 9060 |
| 299-W19-91 | Total Organic Carbon | 8/30/93 | 122 | 900 | | | L | ppb | 1000 | B091J0 | SW-846 9060 |
| 299-W19-91 | Total Organic Halogen | 3/25/92 | 67 | 20 | | | | ppb | 10 | B06544 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 3/25/92 | 67 | 40 | | | | ppb | 10 | B06544 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074N5 | SW-846 9020 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Total Organic Halogen | 10/16/92 | 67 | 10 | | | U | ppb | 10 | B07J90 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 12/01/92 | 67 | | | | U | ppb | 10 | B07QG5 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 12/01/92 | 67 | 10 | | | U | ppb | 10 | B07QG5 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 2/03/93 | 67 | 10 | | | U | ppb | 10 | B08417 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 5/05/93 | 67 | 8 | | | U | ppb | 10 | B08HT3 | SW-846 9020 |
| 299-W19-91 | Total Organic Halogen | 8/30/93 | 67 | 20 | 11 | | | ppb | 10 | B091J0 | SW-846 9020 |
| 299-W19-91 | Toxaphene | 7/27/93 | 17 | 1 | | | U | ppb | 2 | B08MQ8 | SW-846 8080 |
| 299-W19-91 | Trichloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Trichloroethene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Trichloromonofluoromethane | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Tritium | 3/25/92 | 142 | 182 | 264 | | U | pCi/L | 500 | B06544 | ITAS H-3 |
| 299-W19-91 | Tritium | 5/05/92 | 142 | 69 | 229 | | U | pCi/L | 500 | B06DY5 | ITAS H-3 |
| 299-W19-91 | Tritium | 8/12/92 | 142 | -8 | 219 | | U | pCi/L | 500 | B074N5 | ITAS H-3 |
| 299-W19-91 | Tritium | 10/16/92 | 142 | 61 | 241 | | U | pCi/L | 500 | B07J90 | ITAS H-3 |
| 299-W19-91 | Tritium | 12/01/92 | 142 | 86 | 270 | | U | pCi/L | 500 | B07QG5 | ITAS H-3 |
| 299-W19-91 | Tritium | 2/03/93 | 142 | 191 | 220 | | U | pCi/L | 500 | B08417 | ITAS H-3 |
| 299-W19-91 | Tritium | 5/05/93 | 142 | 60 | 211 | | U | pCi/L | 500 | B08HT3 | ITAS H-3 |
| 299-W19-91 | Tritium | 8/30/93 | 142 | -33 | 246 | | U | pCi/L | 500 | B091J0 | ITAS H-3 |
| 299-W19-91 | Uranium | 3/25/92 | 145 | 90 | 23 | | | ppb | 1 | B06544 | ITAS Gross U |
| 299-W19-91 | Uranium | 5/05/92 | 145 | 101 | 29 | | | ppb | 1 | B06DY5 | ITAS Gross U |
| 299-W19-91 | Uranium | 8/12/92 | 145 | 25 | 7 | | | ppb | 1 | B074N5 | ITAS Gross U |
| 299-W19-91 | Uranium | 10/16/92 | 145 | 37 | 10 | | | ppb | 1 | B07J90 | ITAS Gross U |
| 299-W19-91 | Uranium | 12/01/92 | 145 | 41 | 11 | | | ppb | 1 | B07QG5 | ITAS Gross U |
| 299-W19-91 | Uranium | 5/05/93 | 145 | 38 | 12 | | | ppb | 1 | B08HT3 | ITAS Gross U |
| 299-W19-91 | Uranium | 8/30/93 | 145 | 1 | 0 | | | ppb | 1 | B091J0 | ITAS Gross U |
| 299-W19-91 | Uranium-234 | 7/27/93 | 148 | 5 | 1 | | | pCi/L | 0 | B08MQ8 | ITAS Isotopic U |
| 299-W19-91 | Uranium-235 | 7/27/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08MQ8 | ITAS Isotopic U |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | Uranium-238 | 2/03/93 | 145 | 18 | 5 | | | ppb | 1 | B08417 | ITAS Gross U |
| 299-W19-91 | Uranium-238 | 7/27/93 | 148 | 4 | 1 | | | pCi/L | 0 | B08MQ8 | ITAS Isotopic U |
| 299-W19-91 | Vanadium | 3/25/92 | 34 | 330 | 42 | | | ppb | 30 | B06544 | SW-846 6010 |
| 299-W19-91 | Vanadium | 10/16/92 | 34 | 290 | 37 | | | ppb | 30 | B07J90 | SW-846 6010 |
| 299-W19-91 | Vanadium | 12/01/92 | 34 | 230 | 29 | | | ppb | 30 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Vanadium | 2/03/93 | 34 | 110 | 14 | | | ppb | 30 | B08417 | SW-846 6010 |
| 299-W19-91 | Vanadium | 5/05/93 | 34 | 4 | | | U | ppb | 30 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Vanadium | 8/30/93 | 34 | 5 | 1 | | L | ppb | 30 | B091J0 | SW-846 6010 |
| 299-W19-91 | Vinyl acetate | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06544 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N5 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J90 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08417 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 5/05/93 | 16 | 1 | | | U | ppb | 10 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Vinyl chloride | 7/27/93 | 16 | 1 | | | U | ppb | 10 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 5/05/93 | 16 | 2 | | | U | ppb | 5 | B08HT3 | SW-846 8240 |
| 299-W19-91 | Xylenes (total) | 7/27/93 | 16 | 2 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | Zinc | 3/25/92 | 34 | 660 | 84 | | | ppb | 10 | B06544 | SW-846 6010 |
| 299-W19-91 | Zinc | 10/16/92 | 34 | 120 | 15 | | | ppb | 10 | B07J90 | SW-846 6010 |
| 299-W19-91 | Zinc | 12/01/92 | 34 | 130 | 17 | | | ppb | 10 | B07QG5 | SW-846 6010 |
| 299-W19-91 | Zinc | 2/03/93 | 34 | 90 | 12 | | | ppb | 10 | B08417 | SW-846 6010 |
| 299-W19-91 | Zinc | 5/05/93 | 34 | 30 | 9 | | | ppb | 10 | B08HT3 | SW-846 6010 |
| 299-W19-91 | Zinc | 8/30/93 | 34 | 18 | 6 | | | ppb | 10 | B091J0 | SW-846 6010 |
| 299-W19-91 | allylchloride | 7/27/93 | 16 | 1 | | | U | ppb | 100 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | cis-1,3-Dichloropropene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | gamma-BHC (Lindane) | 7/27/93 | 17 | 0 | | | U | ppb | 0 | B08MQ8 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-91 | pH | 3/25/92 | 125 | 8 | | | | pH | | B06544 | ASTM D-1293 |
| 299-W19-91 | pH | 3/25/92 | 93 | 8 | | | | | 0 | B06544 | Probe, pH |
| 299-W19-91 | pH | 5/05/92 | 93 | 8 | | | | | 0 | B06DY5 | Probe, pH |
| 299-W19-91 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074N5 | ASTM D-1293 |
| 299-W19-91 | pH | 8/12/92 | 93 | 8 | | | | | 0 | B074N5 | Probe, pH |
| 299-W19-91 | pH | 10/16/92 | 125 | 8 | | | | pH | | B07J90 | ASTM D-1293 |
| 299-W19-91 | pH | 10/16/92 | 93 | 8 | | | | | 0 | B07J90 | Probe, pH |
| 299-W19-91 | pH | 12/01/92 | 125 | 8 | | | | pH | | B07QG5 | ASTM D-1293 |
| 299-W19-91 | pH | 12/01/92 | 93 | 8 | | | | | 0 | B07QG5 | Probe, pH |
| 299-W19-91 | pH | 2/03/93 | 125 | 8 | | | | pH | | B08417 | ASTM D-1293 |
| 299-W19-91 | pH | 2/03/93 | 93 | 8 | | | | | 0 | B08417 | Probe, pH |
| 299-W19-91 | pH | 5/05/93 | 125 | 8 | | | | pH | | B08HT3 | ASTM D-1293 |
| 299-W19-91 | pH | 5/05/93 | 93 | 7 | | | | | 0 | B08HT3 | Probe, pH |
| 299-W19-91 | pH | 7/27/93 | 125 | 8 | | | | pH | | B08MQ8 | ASTM D-1293 |
| 299-W19-91 | pH | 8/30/93 | 125 | 8 | | | | pH | | B091J0 | ASTM D-1293 |
| 299-W19-91 | pH | 8/30/93 | 93 | 8 | | | | | 0 | B091J0 | Probe, pH |
| 299-W19-91 | trans-1,2-Dichloroethylene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06544 | SW-846 8240 |
| 299-W19-91 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N5 | SW-846 8240 |
| 299-W19-91 | trans-1,2-Dichloroethylene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J90 | SW-846 8240 |
| 299-W19-91 | trans-1,2-Dichloroethylene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG5 | SW-846 8240 |
| 299-W19-91 | trans-1,2-Dichloroethylene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08417 | SW-846 8240 |
| 299-W19-91 | trans-1,3-Dichloropropene | 7/27/93 | 16 | 0 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |
| 299-W19-91 | trans-1,4-dichloro-2-butene | 7/27/93 | 16 | 1 | | | U | ppb | 5 | B08MQ8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | 1,1,1,2-Tetrachloroethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,1,1-Trichloroethane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,1,2,2-Tetrachloroethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,1,2-Trichloroethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,1-Dichloroethene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2,3-Trichloropropane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2-Dibromo-3-chloropropane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2-Dibromoethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | 1,2-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloroethene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,2-Dichloropropane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | 1,4-Dichlorobenzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1,4-Dioxane | 7/26/93 | 16 | 44 | | | U | ppb | 200 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 3/25/92 | 16 | 1000 | | | U | ppb | 1000 | B06546 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074N6 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 10/16/92 | 16 | 1000 | | | U | ppb | 1000 | B07J92 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 12/01/92 | 16 | 1000 | | | U | ppb | 1000 | B07QG6 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 2/03/93 | 16 | 1000 | | | U | ppb | 1000 | B08418 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 5/05/93 | 16 | 13 | | | U | ppb | 1000 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 1-Butanol | 7/26/93 | 16 | 13 | | | U | ppb | 1000 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 2,4,5-T | 7/26/93 | 49 | 0 | | | U | ppb | 2 | B08MR3 | SW-846 8150 |
| 299-W19-92 | 2,4,5-TP | 7/26/93 | 49 | 0 | | | U | ppb | 2 | B08MR3 | SW-846 8150 |
| 299-W19-92 | 2,4-D | 7/26/93 | 49 | 0 | | | U | ppb | 10 | B08MR3 | SW-846 8150 |
| 299-W19-92 | 2-Hexanone | 7/26/93 | 16 | 1 | | | U | ppb | 50 | B08MR3 | SW-846 8240 |
| 299-W19-92 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/26/93 | 49 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8150 |
| 299-W19-92 | 4,4'-DDD | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | 4,4'-DDE | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | 4,4'-DDT | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | 4-Methyl-2-pentanone | 3/25/92 | 16 | 50 | | | U | ppb | 50 | B06546 | SW-846 8240 |
| 299-W19-92 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074N6 | SW-846 8240 |
| 299-W19-92 | 4-Methyl-2-pentanone | 10/16/92 | 16 | 50 | | | U | ppb | 50 | B07J92 | SW-846 8240 |
| 299-W19-92 | 4-Methyl-2-pentanone | 12/01/92 | 16 | 50 | | | U | ppb | 50 | B07QG6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | 4-Methyl-2-pentanone | 2/03/93 | 16 | 50 | | | U | ppb | 50 | B08418 | SW-846 8240 |
| 299-W19-92 | 4-Methyl-2-pentanone | 5/05/93 | 16 | 1 | | | U | ppb | 50 | B08HT4 | SW-846 8240 |
| 299-W19-92 | 4-Methyl-2-pentanone | 7/26/93 | 16 | 1 | | | U | ppb | 50 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Acetone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06546 | SW-846 8240 |
| 299-W19-92 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N6 | SW-846 8240 |
| 299-W19-92 | Acetone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J92 | SW-846 8240 |
| 299-W19-92 | Acetone | 12/01/92 | 16 | 74 | | | B | ppb | 100 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Acetone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08418 | SW-846 8240 |
| 299-W19-92 | Acetone | 5/05/93 | 16 | 13 | | | U | ppb | 100 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Acetone | 7/26/93 | 16 | 13 | | | U | ppb | 100 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Acetonitrile | 7/26/93 | 16 | 19 | | | U | ppb | 200 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Acrolein | 7/26/93 | 16 | 10 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Acrylonitrile | 7/26/93 | 16 | 4 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Aldrin | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Alkalinity | 7/26/93 | 52 | 110 | | | | ppm | 50 | B08MR3 | ASTM D-1067-A |
| 299-W19-92 | Alpha-BHC | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aluminum | 5/05/93 | 34 | 400 | | | | ppb | 200 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Americium-241 | 10/16/92 | 147 | -0 | 0 | | U | pCi/L | 0 | B07J92 | ITAS Am-241 |
| 299-W19-92 | Americium-241 | 2/03/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08418 | ITAS Am-241 |
| 299-W19-92 | Americium-241 | 7/26/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08MR3 | ITAS Am-241 |
| 299-W19-92 | Ammonium ion | 7/26/93 | 54 | 39 | | | U | ppb | 100 | B08MR3 | ASTM D-1426-D |
| 299-W19-92 | Antimony | 3/25/92 | 34 | 200 | | | U | ppb | 200 | B06546 | SW-846 6010 |
| 299-W19-92 | Antimony | 10/16/92 | 34 | 200 | | | U | ppb | 200 | B07J92 | SW-846 6010 |
| 299-W19-92 | Antimony | 12/01/92 | 34 | 200 | | | U | ppb | 200 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Antimony | 2/03/93 | 34 | 200 | | | U | ppb | 200 | B08418 | SW-846 6010 |
| 299-W19-92 | Antimony | 5/05/93 | 34 | 69 | | | U | ppb | 200 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Antimony-125 | 10/16/92 | 140 | 1 | 13 | | U | pCi/L | | B07J92 | ITAS Gamma Scan |
| 299-W19-92 | Antimony-125 | 2/03/93 | 140 | 8 | 16 | | U | pCi/L | | B08418 | ITAS Gamma Scan |
| 299-W19-92 | Antimony-125 | 7/26/93 | 140 | -2 | 17 | | U | pCi/L | | B08MR3 | ITAS Gamma Scan |
| 299-W19-92 | Aroclor-1016 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aroclor-1221 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aroclor-1232 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Aroclor-1242 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aroclor-1248 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aroclor-1254 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Aroclor-1260 | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Barium | 3/25/92 | 34 | 210 | 29 | | | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Barium | 10/16/92 | 34 | 80 | 11 | | | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Barium | 12/01/92 | 34 | 50 | 7 | | | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Barium | 2/03/93 | 34 | 240 | 33 | | | ppb | 20 | B08418 | SW-846 6010 |
| 299-W19-92 | Barium | 5/05/93 | 34 | 270 | 1 | | | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Benzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Benzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Benzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Benzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Benzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Benzene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Beryllium | 3/25/92 | 34 | 3 | | | U | ppb | 3 | B06546 | SW-846 6010 |
| 299-W19-92 | Beryllium | 10/16/92 | 34 | 3 | | | U | ppb | 3 | B07J92 | SW-846 6010 |
| 299-W19-92 | Beryllium | 12/01/92 | 34 | 3 | | | U | ppb | 3 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Beryllium | 2/03/93 | 34 | 3 | | | U | ppb | 3 | B08418 | SW-846 6010 |
| 299-W19-92 | Beryllium | 5/05/93 | 34 | 1 | | | U | ppb | 3 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Beta-BHC | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Bromide | 3/25/92 | 124 | 500 | | | U | ppb | 500 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 5/05/92 | 124 | 500 | | | U | ppb | 500 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 10/16/92 | 124 | 500 | | | U | ppb | 500 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 12/01/92 | 124 | 500 | | | U | ppb | 500 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 2/03/93 | 124 | 500 | | | U | ppb | 500 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Bromide | 5/05/93 | 124 | 53 | | | U | ppb | 500 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Bromodichloromethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Bromoform | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Cadmium | 3/25/92 | 34 | 10 | | | U | ppb | 10 | B06546 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Cadmium | 10/16/92 | 34 | 10 | | | U | ppb | 10 | B07J92 | SW-846 6010 |
| 299-W19-92 | Cadmium | 12/01/92 | 34 | 10 | | | U | ppb | 10 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Cadmium | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08418 | SW-846 6010 |
| 299-W19-92 | Cadmium | 5/05/93 | 34 | 5 | | | U | ppb | 10 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Calcium | 3/25/92 | 34 | 30000 | | | | ppb | 100 | B06546 | SW-846 6010 |
| 299-W19-92 | Calcium | 10/16/92 | 34 | 34000 | | | | ppb | 100 | B07J92 | SW-846 6010 |
| 299-W19-92 | Calcium | 12/01/92 | 34 | 33000 | | | | ppb | 100 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Calcium | 2/03/93 | 34 | 35000 | | | | ppb | 100 | B08418 | SW-846 6010 |
| 299-W19-92 | Calcium | 5/05/93 | 34 | 32000 | 9700 | | | ppb | 100 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Carbon disulfide | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Carbon disulfide | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Carbon tetrachloride | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Cesium-137 | 10/16/92 | 140 | 3 | 6 | | U | pCi/L | 20 | B07J92 | ITAS Gamma Scan |
| 299-W19-92 | Cesium-137 | 2/03/93 | 140 | -1 | 7 | | U | pCi/L | 20 | B08418 | ITAS Gamma Scan |
| 299-W19-92 | Cesium-137 | 7/26/93 | 140 | 3 | 6 | | U | pCi/L | 20 | B08MR3 | ITAS Gamma Scan |
| 299-W19-92 | Chlordane | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Chloride | 3/25/92 | 124 | 1300 | 438 | | | ppb | 200 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 5/05/92 | 124 | 1500 | 505 | | | ppb | 200 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 8/12/92 | 124 | 1500 | 505 | | | ppb | 200 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 10/16/92 | 124 | 1200 | 404 | | | ppb | 200 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 12/01/92 | 124 | 1100 | 370 | | | ppb | 200 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 2/03/93 | 124 | 1100 | 370 | | | ppb | 200 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Chloride | 5/05/93 | 124 | 1200 | 199 | | | ppb | 200 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Chlorobenzene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Chloroethane | 7/26/93 | 16 | 1 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Chloroform | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Chloroform | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Chloroform | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Chloroform | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Chloroform | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Chloroform | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Chloroprene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Chromium | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Chromium | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Chromium | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Chromium | 2/03/93 | 34 | 30 | 18 | | | ppb | 20 | B08418 | SW-846 6010 |
| 299-W19-92 | Chromium | 5/05/93 | 34 | 5 | | | U | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Cobalt | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Cobalt | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Cobalt | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Cobalt | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08418 | SW-846 6010 |
| 299-W19-92 | Cobalt | 5/05/93 | 34 | 4 | | | U | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Cobalt-60 | 10/16/92 | 140 | -2 | 9 | | U | pCi/L | | B07J92 | ITAS Gamma Scan |
| 299-W19-92 | Cobalt-60 | 2/03/93 | 140 | -4 | 8 | | U | pCi/L | | B08418 | ITAS Gamma Scan |
| 299-W19-92 | Cobalt-60 | 7/26/93 | 140 | -1 | 8 | | U | pCi/L | | B08MR3 | ITAS Gamma Scan |
| 299-W19-92 | Copper | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Copper | 10/16/92 | 34 | 60 | 12 | | | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Copper | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Copper | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08418 | SW-846 6010 |
| 299-W19-92 | Copper | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Cyanide | 7/26/93 | 358 | 1 | | | U | ppb | 20 | B08MR3 | SW-846 9012 |
| 299-W19-92 | Delta-BHC | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Dibromochloromethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Dibromomethane | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Dichlorodifluoromethane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Dieldrin | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Disulfoton | 7/26/93 | 29 | 0 | | | U | ppb | 2 | B08MR3 | SW-846 8140 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Endosulfan I | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Endosulfan II | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Endosulfan sulfate | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Endrin | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Endrin Aldehyde | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Ethyl cyanide | 7/26/93 | 16 | 4 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Ethyl cyanide | 7/26/93 | 16 | 4 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Ethyl methacrylate | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Ethylbenzene | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Fluoride | 3/25/92 | 124 | 200 | 42 | | | ppb | 100 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 5/05/92 | 124 | 100 | 21 | | | ppb | 100 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 8/12/92 | 124 | 100 | 21 | | | ppb | 100 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 10/16/92 | 124 | 100 | 21 | | | ppb | 100 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 12/01/92 | 124 | 100 | 21 | | | ppb | 100 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 2/03/93 | 124 | 200 | 42 | | | ppb | 100 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Fluoride | 5/05/93 | 124 | 100 | 7 | | L | ppb | 100 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Gross alpha | 3/25/92 | 135 | 182 | 38 | | | pCi/L | 4 | B06546 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 5/05/92 | 135 | 42 | 10 | | | pCi/L | 4 | B06DY6 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 8/12/92 | 135 | 33 | 7 | | | pCi/L | 4 | B074N6 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 10/16/92 | 135 | 23 | 6 | | | pCi/L | 4 | B07J92 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 12/01/92 | 135 | 21 | 6 | | | pCi/L | 4 | B07QG6 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 2/03/93 | 135 | 52 | 12 | | | pCi/L | 4 | B08418 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 5/05/93 | 135 | 44 | 10 | | | pCi/L | 4 | B08HT4 | SW-846 9310, Alpha |
| 299-W19-92 | Gross alpha | 9/29/93 | 135 | 12 | 4 | | | pCi/L | 4 | B091J2 | SW-846 9310, Alpha |
| 299-W19-92 | Gross beta | 3/25/92 | 136 | 166 | 14 | | | pCi/L | 8 | B06546 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 5/05/92 | 136 | 49 | 6 | | | pCi/L | 8 | B06DY6 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 8/12/92 | 136 | 38 | 5 | | | pCi/L | 8 | B074N6 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 10/16/92 | 136 | 34 | 5 | | | pCi/L | 8 | B07J92 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 12/01/92 | 136 | 42 | 6 | | | pCi/L | 8 | B07QG6 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 2/03/93 | 136 | 65 | 8 | | | pCi/L | 8 | B08418 | SW-846 9310, Beta |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Gross beta | 5/05/93 | 136 | 68 | 8 | | | pCi/L | 8 | B08HT4 | SW-846 9310, Beta |
| 299-W19-92 | Gross beta | 9/29/93 | 136 | 30 | 5 | | | pCi/L | 8 | B091J2 | SW-846 9310, Beta |
| 299-W19-92 | Heptachlor | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Heptachlor epoxide | 7/26/93 | 17 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Iron | 3/25/92 | 34 | 29000 | 25000 | | | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Iron | 10/16/92 | 34 | 62000 | 53300 | | | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Iron | 12/01/92 | 34 | 12000 | 10300 | | | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Iron | 2/03/93 | 34 | 110000 | 94600 | | | ppb | 20 | B08418 | SW-846 6010 |
| 299-W19-92 | Iron | 5/05/93 | 34 | 72000 | 32200 | | | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Isobutyl alcohol | 7/26/93 | 16 | 27 | | | U | ppb | 200 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Lead | 7/26/93 | 40 | 2 | 0 | | L | ppb | 5 | B08MR3 | SW-846 7421 |
| 299-W19-92 | Magnesium | 3/25/92 | 34 | 4300 | | | | ppb | 100 | B06546 | SW-846 6010 |
| 299-W19-92 | Magnesium | 10/16/92 | 34 | 5200 | | | | ppb | 100 | B07J92 | SW-846 6010 |
| 299-W19-92 | Magnesium | 12/01/92 | 34 | 4900 | | | | ppb | 100 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Magnesium | 2/03/93 | 34 | 5300 | | | | ppb | 100 | B08418 | SW-846 6010 |
| 299-W19-92 | Magnesium | 5/05/93 | 34 | 4800 | 2520 | | | ppb | 100 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Manganese | 3/25/92 | 34 | 380 | 58 | | | ppb | 10 | B06546 | SW-846 6010 |
| 299-W19-92 | Manganese | 10/16/92 | 34 | 890 | 136 | | | ppb | 10 | B07J92 | SW-846 6010 |
| 299-W19-92 | Manganese | 12/01/92 | 34 | 210 | 32 | | | ppb | 10 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Manganese | 2/03/93 | 34 | 1700 | 260 | | | ppb | 10 | B08418 | SW-846 6010 |
| 299-W19-92 | Manganese | 5/05/93 | 34 | 1900 | 532 | | | ppb | 10 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Methacrylonitrile | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methoxychlor | 7/26/93 | 17 | 0 | | | U | ppb | 2 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Methyl Iodide | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methyl bromide | 7/26/93 | 16 | 1 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methyl chloride | 7/26/93 | 16 | 1 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06546 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N6 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J92 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 12/01/92 | 16 | 100 | | | U | ppb | 100 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08418 | SW-846 8240 |
| 299-W19-92 | Methyl ethyl ketone | 5/05/93 | 16 | 4 | | | U | ppb | 100 | B08HT4 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Methyl ethyl ketone | 7/26/93 | 16 | 4 | | | U | ppb | 100 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methyl methacrylate | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Methyl parathion | 7/26/93 | 29 | 0 | | | U | ppb | 1 | B08MR3 | SW-846 8140 |
| 299-W19-92 | Methylene chloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 2/03/93 | 16 | 2 | | | BJU | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 5/05/93 | 16 | 1 | | | LB | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Methylene chloride | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Nickel | 3/25/92 | 34 | 30 | | | U | ppb | 30 | B06546 | SW-846 6010 |
| 299-W19-92 | Nickel | 10/16/92 | 34 | 30 | | | U | ppb | 30 | B07J92 | SW-846 6010 |
| 299-W19-92 | Nickel | 12/01/92 | 34 | 30 | 6 | | | ppb | 30 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Nickel | 2/03/93 | 34 | 40 | 8 | | | ppb | 30 | B08418 | SW-846 6010 |
| 299-W19-92 | Nickel | 5/05/93 | 34 | 18 | | | U | ppb | 30 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Nitrate | 3/25/92 | 124 | 300 | 169 | | | ppb | 200 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 5/05/92 | 124 | 200 | 113 | | | ppb | 200 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 8/12/92 | 124 | 300 | 169 | | | ppb | 200 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 10/16/92 | 124 | 300 | 169 | | | ppb | 200 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 12/01/92 | 124 | 300 | 169 | | | ppb | 200 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 2/03/93 | 124 | 200 | 113 | | | ppb | 200 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Nitrate | 5/05/93 | 124 | 300 | 26 | | | ppb | 200 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 3/25/92 | 124 | 200 | | | U | ppb | 200 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 5/05/92 | 124 | 200 | | | U | ppb | 200 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 10/16/92 | 124 | 200 | | | U | ppb | 200 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 12/01/92 | 124 | 200 | | | U | ppb | 200 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 2/03/93 | 124 | 200 | | | U | ppb | 200 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Nitrite | 5/05/93 | 124 | 38 | | | U | ppb | 200 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Pentachloroethane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Phorate | 7/26/93 | 29 | 0 | | | U | ppb | 2 | B08MR3 | SW-846 8140 |
| 299-W19-92 | Phosphate | 3/25/92 | 124 | 600 | 163 | | | ppb | 400 | B06546 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Phosphate | 3/25/92 | 124 | 600 | 163 | | | ppb | 500 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 400 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 500 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 400 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 500 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 400 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 500 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 400 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 500 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 400 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 500 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 5/05/93 | 124 | 200 | 29 | | L | ppb | 400 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Phosphate | 5/05/93 | 124 | 200 | 29 | | L | ppb | 500 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Plutonium-238 | 7/26/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MR3 | ITAS Isotopic Pu |
| 299-W19-92 | Plutonium-239/40 | 7/26/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MR3 | ITAS Isotopic Pu |
| 299-W19-92 | Potassium | 3/25/92 | 34 | 2400 | | | | ppb | 300 | B06546 | SW-846 6010 |
| 299-W19-92 | Potassium | 3/25/92 | 34 | 2400 | | | | ppb | 1000 | B06546 | SW-846 6010 |
| 299-W19-92 | Potassium | 10/16/92 | 34 | 2700 | | | | ppb | 300 | B07J92 | SW-846 6010 |
| 299-W19-92 | Potassium | 10/16/92 | 34 | 2700 | | | | ppb | 1000 | B07J92 | SW-846 6010 |
| 299-W19-92 | Potassium | 12/01/92 | 34 | 2300 | | | | ppb | 300 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Potassium | 12/01/92 | 34 | 2300 | | | | ppb | 1000 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Potassium | 2/03/93 | 34 | 3600 | | | | ppb | 300 | B08418 | SW-846 6010 |
| 299-W19-92 | Potassium | 2/03/93 | 34 | 3600 | | | | ppb | 1000 | B08418 | SW-846 6010 |
| 299-W19-92 | Potassium | 5/05/93 | 34 | 2000 | 2010 | | | ppb | 300 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Potassium | 5/05/93 | 34 | 2000 | 2010 | | | ppb | 1000 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Ruthenium-106 | 10/16/92 | 140 | 49 | 36 | | | pCi/L | | B07J92 | ITAS Gamma Scan |
| 299-W19-92 | Ruthenium-106 | 2/03/93 | 140 | 4 | 59 | | U | pCi/L | | B08418 | ITAS Gamma Scan |
| 299-W19-92 | Ruthenium-106 | 7/26/93 | 140 | 69 | 56 | | | pCi/L | | B08MR3 | ITAS Gamma Scan |
| 299-W19-92 | Silver | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06546 | SW-846 6010 |
| 299-W19-92 | Silver | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J92 | SW-846 6010 |
| 299-W19-92 | Silver | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Silver | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08418 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Silver | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Sodium | 3/25/92 | 34 | 3200 | | | | ppb | 300 | B06546 | SW-846 6010 |
| 299-W19-92 | Sodium | 10/16/92 | 34 | 3400 | | | | ppb | 300 | B07J92 | SW-846 6010 |
| 299-W19-92 | Sodium | 12/01/92 | 34 | 3400 | | | | ppb | 300 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Sodium | 2/03/93 | 34 | 3700 | | | | ppb | 300 | B08418 | SW-846 6010 |
| 299-W19-92 | Sodium | 5/05/93 | 34 | 2600 | 811 | | | ppb | 300 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Specific conductance | 3/25/92 | 73 | 190 | | | | umhos | | B06546 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 3/25/92 | 94 | 208 | | | | umhos | 1 | B06546 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 5/05/92 | 94 | 167 | | | | umhos | 1 | B06DY6 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 8/12/92 | 73 | 200 | | | | umhos | | B074N6 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 8/12/92 | 94 | 197 | | | | umhos | 1 | B074N6 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 10/16/92 | 73 | 210 | | | | umhos | | B07J92 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 10/16/92 | 94 | 214 | | | | umhos | 1 | B07J92 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 12/01/92 | 73 | 210 | | | | umhos | | B07QG6 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 12/01/92 | 94 | 223 | | | | umhos | 1 | B07QG6 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 2/03/93 | 73 | 200 | | | | umhos | | B08418 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 2/03/93 | 94 | 198 | | | | umhos | 1 | B08418 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 5/05/93 | 73 | 190 | | | | umhos | | B08HT4 | ASTM D-1125-A |
| 299-W19-92 | Specific conductance | 5/05/93 | 94 | 188 | | | | umhos | 1 | B08HT4 | Probe, Conductivity |
| 299-W19-92 | Specific conductance | 9/29/93 | 94 | 199 | | | | umhos | 1 | B091J2 | Probe, Conductivity |
| 299-W19-92 | Strontium-90 | 10/16/92 | 141 | 14 | 3 | | | pCi/L | 5 | B07J92 | ITAS Sr-90 |
| 299-W19-92 | Strontium-90 | 2/03/93 | 141 | 25 | 5 | | | pCi/L | 5 | B08418 | ITAS Sr-90 |
| 299-W19-92 | Strontium-90 | 7/26/93 | 141 | 4 | 1 | | | pCi/L | 5 | B08MR3 | ITAS Sr-90 |
| 299-W19-92 | Styrene | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Sulfate | 3/25/92 | 124 | 12000 | 11600 | | | ppb | 500 | B06546 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 5/05/92 | 124 | 13000 | 12500 | | | ppb | 500 | B06DY6 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 8/12/92 | 124 | 10000 | 9650 | | | ppb | 500 | B074N6 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 10/16/92 | 124 | 7100 | 6850 | | | ppb | 500 | B07J92 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 12/01/92 | 124 | 7900 | 7620 | | | ppb | 500 | B07QG6 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 2/03/93 | 124 | 8700 | 8390 | | | ppb | 500 | B08418 | ASTM D-4327-88 |
| 299-W19-92 | Sulfate | 5/05/93 | 124 | 14000 | 680 | | | ppb | 500 | B08HT4 | ASTM D-4327-88 |
| 299-W19-92 | Sulfide | 7/26/93 | 63 | 300 | 97 | | L | ppb | 10000 | B08MR3 | SW-846 9030 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Technetium-99 | 7/26/93 | 143 | 0 | 2 | | U | pCi/L | 15 | B08MR3 | ITAS Tc-99 |
| 299-W19-92 | Temperature, field | 3/25/92 | 170 | 19 | | | | DegC | 0 | B06546 | Probe, temperature |
| 299-W19-92 | Temperature, field | 5/05/92 | 170 | 14 | | | | DegC | 0 | B06DY6 | Probe, temperature |
| 299-W19-92 | Temperature, field | 8/12/92 | 170 | 15 | | | | DegC | 0 | B074N6 | Probe, temperature |
| 299-W19-92 | Temperature, field | 10/16/92 | 170 | 16 | | | | DegC | 0 | B07J92 | Probe, temperature |
| 299-W19-92 | Temperature, field | 12/01/92 | 170 | 18 | | | | DegC | 0 | B07QG6 | Probe, temperature |
| 299-W19-92 | Temperature, field | 2/03/93 | 170 | 21 | | | | DegC | 0 | B08418 | Probe, temperature |
| 299-W19-92 | Temperature, field | 5/05/93 | 170 | 13 | | | | DegC | 0 | B08HT4 | Probe, temperature |
| 299-W19-92 | Temperature, field | 9/29/93 | 170 | 21 | | | | DegC | 0 | B091J2 | Probe, temperature |
| 299-W19-92 | Tetrachloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Tetrachloroethene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06546 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N6 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J92 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08418 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Tetrahydrofuran | 7/26/93 | 16 | 4 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Thallium | 7/26/93 | 42 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 7841 |
| 299-W19-92 | Tin | 3/25/92 | 34 | 100 | | | U | ppb | 100 | B06546 | SW-846 6010 |
| 299-W19-92 | Tin | 10/16/92 | 34 | 100 | | | U | ppb | 100 | B07J92 | SW-846 6010 |
| 299-W19-92 | Tin | 12/01/92 | 34 | 100 | | | U | ppb | 100 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Tin | 2/03/93 | 34 | 100 | | | U | ppb | 100 | B08418 | SW-846 6010 |
| 299-W19-92 | Tin | 5/05/93 | 34 | 51 | | | U | ppb | 100 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Toluene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Toluene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Toluene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Toluene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Toluene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Toluene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Total Dissolved Solids | 7/26/93 | 65 | 140 | | | B | ppm | 10 | B08MR3 | Std Meth #209B |
| 299-W19-92 | Total Organic Carbon | 3/25/92 | 122 | 1000 | | | U | ppb | 1000 | B06546 | SW-846 9060 |
| 299-W19-92 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074N6 | SW-846 9060 |
| 299-W19-92 | Total Organic Carbon | 10/16/92 | 122 | 1000 | | | U | ppb | 1000 | B07J92 | SW-846 9060 |
| 299-W19-92 | Total Organic Carbon | 12/01/92 | 122 | 1000 | | | U | ppb | 1000 | B07QG6 | SW-846 9060 |
| 299-W19-92 | Total Organic Carbon | 2/03/93 | 122 | 1000 | | | U | ppb | 1000 | B08418 | SW-846 9060 |
| 299-W19-92 | Total Organic Carbon | 5/05/93 | 122 | 500 | | | L | ppb | 1000 | B08HT4 | SW-846 9060 |
| 299-W19-92 | Total Organic Halogen | 3/25/92 | 67 | 10 | | | U | ppb | 10 | B06546 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 3/25/92 | 67 | 20 | | | | ppb | 10 | B06546 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074N6 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 10/16/92 | 67 | 10 | | | U | ppb | 10 | B07J92 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 12/01/92 | 67 | | | | U | ppb | 10 | B07QG6 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 12/01/92 | 67 | 10 | | | U | ppb | 10 | B07QG6 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 2/03/93 | 67 | 10 | | | U | ppb | 10 | B08418 | SW-846 9020 |
| 299-W19-92 | Total Organic Halogen | 5/05/93 | 67 | 8 | | | U | ppb | 10 | B08HT4 | SW-846 9020 |
| 299-W19-92 | Toxaphene | 7/26/93 | 17 | 1 | | | U | ppb | 2 | B08MR3 | SW-846 8080 |
| 299-W19-92 | Trichloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Trichloroethene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Trichloromonofluoromethane | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Tritium | 3/25/92 | 142 | 134 | 262 | | U | pCi/L | 500 | B06546 | ITAS H-3 |
| 299-W19-92 | Tritium | 5/05/92 | 142 | 131 | 232 | | U | pCi/L | 500 | B06DY6 | ITAS H-3 |
| 299-W19-92 | Tritium | 8/12/92 | 142 | 119 | 225 | | U | pCi/L | 500 | B074N6 | ITAS H-3 |
| 299-W19-92 | Tritium | 10/16/92 | 142 | 109 | 244 | | U | pCi/L | 500 | B07J92 | ITAS H-3 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Tritium | 12/01/92 | 142 | 537 | 263 | | | pCi/L | 500 | B07QG6 | ITAS H-3 |
| 299-W19-92 | Tritium | 2/03/93 | 142 | 107 | 216 | | U | pCi/L | 500 | B08418 | ITAS H-3 |
| 299-W19-92 | Tritium | 5/05/93 | 142 | 78 | 213 | | U | pCi/L | 500 | B08HT4 | ITAS H-3 |
| 299-W19-92 | Tritium | 9/29/93 | 142 | 88 | 204 | | U | pCi/L | 500 | B091J2 | ITAS H-3 |
| 299-W19-92 | Uranium | 3/25/92 | 145 | 28 | 8 | | | ppb | 1 | B06546 | ITAS Gross U |
| 299-W19-92 | Uranium | 5/05/92 | 145 | 93 | 26 | | | ppb | 1 | B06DY6 | ITAS Gross U |
| 299-W19-92 | Uranium | 8/12/92 | 145 | 5 | 2 | | | ppb | 1 | B074N6 | ITAS Gross U |
| 299-W19-92 | Uranium | 10/16/92 | 145 | 35 | 9 | | | ppb | 1 | B07J92 | ITAS Gross U |
| 299-W19-92 | Uranium | 12/01/92 | 145 | 25 | 7 | | | ppb | 1 | B07QG6 | ITAS Gross U |
| 299-W19-92 | Uranium | 5/05/93 | 145 | 14 | 5 | | | ppb | 1 | B08HT4 | ITAS Gross U |
| 299-W19-92 | Uranium | 9/29/93 | 145 | 17 | 5 | | | ppb | 1 | B091J2 | ITAS Gross U |
| 299-W19-92 | Uranium-234 | 7/26/93 | 148 | 12 | 1 | | | pCi/L | 0 | B08MR3 | ITAS Isotopic U |
| 299-W19-92 | Uranium-235 | 7/26/93 | 148 | 1 | 0 | | | pCi/L | 0 | B08MR3 | ITAS Isotopic U |
| 299-W19-92 | Uranium-238 | 2/03/93 | 145 | 48 | 15 | | | ppb | 1 | B08418 | ITAS Gross U |
| 299-W19-92 | Uranium-238 | 7/26/93 | 148 | 10 | 1 | | | pCi/L | 0 | B08MR3 | ITAS Isotopic U |
| 299-W19-92 | Vanadium | 3/25/92 | 34 | 39 | 5 | | | ppb | 30 | B06546 | SW-846 6010 |
| 299-W19-92 | Vanadium | 10/16/92 | 34 | 30 | | | U | ppb | 30 | B07J92 | SW-846 6010 |
| 299-W19-92 | Vanadium | 12/01/92 | 34 | 30 | | | U | ppb | 30 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Vanadium | 2/03/93 | 34 | 90 | 12 | | | ppb | 30 | B08418 | SW-846 6010 |
| 299-W19-92 | Vanadium | 5/05/93 | 34 | 90 | 18 | | | ppb | 30 | B08HT4 | SW-846 6010 |
| 299-W19-92 | Vinyl acetate | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06546 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N6 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J92 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG6 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08418 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 5/05/93 | 16 | 1 | | | U | ppb | 10 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Vinyl chloride | 7/26/93 | 16 | 1 | | | U | ppb | 10 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | Xylenes (total) | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 5/05/93 | 16 | 2 | | | U | ppb | 5 | B08HT4 | SW-846 8240 |
| 299-W19-92 | Xylenes (total) | 7/26/93 | 16 | 2 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | Zinc | 3/25/92 | 34 | 10 | | | U | ppb | 10 | B06546 | SW-846 6010 |
| 299-W19-92 | Zinc | 10/16/92 | 34 | 10 | | | U | ppb | 10 | B07J92 | SW-846 6010 |
| 299-W19-92 | Zinc | 12/01/92 | 34 | 10 | | | U | ppb | 10 | B07QG6 | SW-846 6010 |
| 299-W19-92 | Zinc | 2/03/93 | 34 | 20 | 3 | | | ppb | 10 | B08418 | SW-846 6010 |
| 299-W19-92 | Zinc | 5/05/93 | 34 | 20 | 5 | | | ppb | 10 | B08HT4 | SW-846 6010 |
| 299-W19-92 | allylchloride | 7/26/93 | 16 | 1 | | | U | ppb | 100 | B08MR3 | SW-846 8240 |
| 299-W19-92 | cis-1,3-Dichloropropene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |
| 299-W19-92 | gamma-BHC (Lindane) | 7/26/93 | 17 | 0 | | | U | ppb | 0 | B08MR3 | SW-846 8080 |
| 299-W19-92 | pH | 3/25/92 | 125 | 8 | | | | pH | | B06546 | ASTM D-1293 |
| 299-W19-92 | pH | 3/25/92 | 93 | 8 | | | | | 0 | B06546 | Probe, pH |
| 299-W19-92 | pH | 5/05/92 | 93 | 8 | | | | | 0 | B06DY6 | Probe, pH |
| 299-W19-92 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074N6 | ASTM D-1293 |
| 299-W19-92 | pH | 8/12/92 | 93 | 8 | | | | | 0 | B074N6 | Probe, pH |
| 299-W19-92 | pH | 10/16/92 | 125 | 8 | | | | pH | | B07J92 | ASTM D-1293 |
| 299-W19-92 | pH | 10/16/92 | 93 | 8 | | | | | 0 | B07J92 | Probe, pH |
| 299-W19-92 | pH | 12/01/92 | 125 | 8 | | | | pH | | B07QG6 | ASTM D-1293 |
| 299-W19-92 | pH | 12/01/92 | 93 | 8 | | | | | 0 | B07QG6 | Probe, pH |
| 299-W19-92 | pH | 2/03/93 | 125 | 8 | | | | pH | | B08418 | ASTM D-1293 |
| 299-W19-92 | pH | 2/03/93 | 93 | 8 | | | | | 0 | B08418 | Probe, pH |
| 299-W19-92 | pH | 5/05/93 | 125 | 8 | | | | pH | | B08HT4 | ASTM D-1293 |
| 299-W19-92 | pH | 5/05/93 | 93 | 8 | | | | | 0 | B08HT4 | Probe, pH |
| 299-W19-92 | pH | 7/26/93 | 125 | 7 | | | | pH | | B08MR3 | ASTM D-1293 |
| 299-W19-92 | pH | 9/29/93 | 93 | 8 | | | | | 0 | B091J2 | Probe, pH |
| 299-W19-92 | trans-1,2-Dichloroethylene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06546 | SW-846 8240 |
| 299-W19-92 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N6 | SW-846 8240 |
| 299-W19-92 | trans-1,2-Dichloroethylene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J92 | SW-846 8240 |
| 299-W19-92 | trans-1,2-Dichloroethylene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG6 | SW-846 8240 |
| 299-W19-92 | trans-1,2-Dichloroethylene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08418 | SW-846 8240 |
| 299-W19-92 | trans-1,3-Dichloropropene | 7/26/93 | 16 | 0 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-92 | trans-1,4-dichloro-2-butene | 7/26/93 | 16 | 1 | | | U | ppb | 5 | B08MR3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | 1,1,1,2-Tetrachloroethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,1,1-Trichloroethane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,1,2,2-Tetrachloroethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,1,2-Trichloroethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,1-Dichloroethene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2,3-Trichloropropane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dibromo-3-chloropropane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dibromoethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | 1,2-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 5/05/93 | 16 | 0 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloroethene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,2-Dichloropropane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | 1,4-Dichlorobenzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1,4-Dioxane | 7/15/93 | 16 | 44 | | | U | ppb | 200 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 3/25/92 | 16 | 1000 | | | U | ppb | 1000 | B06548 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074N9 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 10/16/92 | 16 | 1000 | | | U | ppb | 1000 | B07J94 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 12/01/92 | 16 | 1000 | | | U | ppb | 1000 | B07QG7 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 2/03/93 | 16 | 1000 | | | U | ppb | 1000 | B08419 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 5/05/93 | 16 | 13 | | | U | ppb | 1000 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 1-Butanol | 7/15/93 | 16 | 13 | | | U | ppb | 1000 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 2,4,5-T | 7/15/93 | 49 | 0 | | | U | ppb | 2 | B08MR5 | SW-846 8150 |
| 299-W19-93 | 2,4,5-TP | 7/15/93 | 49 | 0 | | | U | ppb | 2 | B08MR5 | SW-846 8150 |
| 299-W19-93 | 2,4-D | 7/15/93 | 49 | 0 | | | U | ppb | 10 | B08MR5 | SW-846 8150 |
| 299-W19-93 | 2-Hexanone | 7/15/93 | 16 | 1 | | | U | ppb | 50 | B08MR5 | SW-846 8240 |
| 299-W19-93 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/15/93 | 49 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8150 |
| 299-W19-93 | 4,4'-DDD | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | 4,4'-DDE | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | 4,4'-DDT | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | 4-Methyl-2-pentanone | 3/25/92 | 16 | 50 | | | U | ppb | 50 | B06548 | SW-846 8240 |
| 299-W19-93 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074N9 | SW-846 8240 |
| 299-W19-93 | 4-Methyl-2-pentanone | 10/16/92 | 16 | 50 | | | U | ppb | 50 | B07J94 | SW-846 8240 |
| 299-W19-93 | 4-Methyl-2-pentanone | 12/01/92 | 16 | 50 | | | U | ppb | 50 | B07QG7 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | 4-Methyl-2-pentanone | 2/03/93 | 16 | 50 | | | U | ppb | 50 | B08419 | SW-846 8240 |
| 299-W19-93 | 4-Methyl-2-pentanone | 5/05/93 | 16 | 1 | | | U | ppb | 50 | B08HT5 | SW-846 8240 |
| 299-W19-93 | 4-Methyl-2-pentanone | 7/15/93 | 16 | 1 | | | U | ppb | 50 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Acetone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06548 | SW-846 8240 |
| 299-W19-93 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N9 | SW-846 8240 |
| 299-W19-93 | Acetone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J94 | SW-846 8240 |
| 299-W19-93 | Acetone | 12/01/92 | 16 | 76 | | | B | ppb | 100 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Acetone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08419 | SW-846 8240 |
| 299-W19-93 | Acetone | 5/05/93 | 16 | 13 | | | U | ppb | 100 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Acetone | 7/15/93 | 16 | 13 | | | U | ppb | 100 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Acetonitrile | 7/15/93 | 16 | 19 | | | U | ppb | 200 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Acrolein | 7/15/93 | 16 | 10 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Acrylonitrile | 7/15/93 | 16 | 4 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Aldrin | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Alpha-BHC | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aluminum | 5/05/93 | 34 | 61 | | | L | ppb | 200 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Aluminum | 7/15/93 | 34 | 52 | | | L | ppb | 200 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Aluminum | 8/30/93 | 34 | 660 | | | | ppb | 200 | B091J5 | SW-846 6010 |
| 299-W19-93 | Americium-241 | 10/16/92 | 147 | -0 | 0 | | U | pCi/L | 0 | B07J94 | ITAS Am-241 |
| 299-W19-93 | Americium-241 | 2/03/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08419 | ITAS Am-241 |
| 299-W19-93 | Americium-241 | 7/15/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08MR5 | ITAS Am-241 |
| 299-W19-93 | Ammonium ion | 7/15/93 | 54 | 39 | | | U | ppb | 100 | B08MR5 | ASTM D-1426-D |
| 299-W19-93 | Antimony | 3/25/92 | 34 | 200 | | | U | ppb | 200 | B06548 | SW-846 6010 |
| 299-W19-93 | Antimony | 10/16/92 | 34 | 200 | | | U | ppb | 200 | B07J94 | SW-846 6010 |
| 299-W19-93 | Antimony | 12/01/92 | 34 | 200 | | | U | ppb | 200 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Antimony | 2/03/93 | 34 | 200 | | | U | ppb | 200 | B08419 | SW-846 6010 |
| 299-W19-93 | Antimony | 5/05/93 | 34 | 69 | | | U | ppb | 200 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Antimony | 7/15/93 | 34 | 69 | | | U | ppb | 200 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Antimony | 8/30/93 | 34 | 69 | | | U | ppb | 200 | B091J5 | SW-846 6010 |
| 299-W19-93 | Antimony-125 | 10/16/92 | 140 | 13 | 17 | | U | pCi/L | | B07J94 | ITAS Gamma Scan |
| 299-W19-93 | Antimony-125 | 2/03/93 | 140 | -11 | 15 | | U | pCi/L | | B08419 | ITAS Gamma Scan |
| 299-W19-93 | Antimony-125 | 7/15/93 | 140 | -9 | 18 | | U | pCi/L | | B08MR5 | ITAS Gamma Scan |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Aroclor-1016 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1221 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1232 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1242 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1248 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1254 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Aroclor-1260 | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Arsenic | 7/15/93 | 43 | 5 | 4 | | | ppb | 5 | B08MR5 | SW-846 7060 |
| 299-W19-93 | Barium | 3/25/92 | 34 | 410 | 57 | | | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Barium | 10/16/92 | 34 | 80 | 11 | | | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Barium | 12/01/92 | 34 | 100 | 14 | | | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Barium | 2/03/93 | 34 | 130 | 18 | | | ppb | 20 | B08419 | SW-846 6010 |
| 299-W19-93 | Barium | 5/05/93 | 34 | 30 | 0 | | | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Barium | 7/15/93 | 34 | 37 | 0 | | | ppb | 20 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Barium | 8/30/93 | 34 | 75 | 0 | | | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Benzene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Benzene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Benzene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Benzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Benzene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Benzene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Beryllium | 3/25/92 | 34 | 3 | | | U | ppb | 3 | B06548 | SW-846 6010 |
| 299-W19-93 | Beryllium | 10/16/92 | 34 | 3 | | | U | ppb | 3 | B07J94 | SW-846 6010 |
| 299-W19-93 | Beryllium | 12/01/92 | 34 | 3 | | | U | ppb | 3 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Beryllium | 2/03/93 | 34 | 3 | | | U | ppb | 3 | B08419 | SW-846 6010 |
| 299-W19-93 | Beryllium | 5/05/93 | 34 | 1 | | | U | ppb | 3 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Beryllium | 7/15/93 | 34 | 1 | | | U | ppb | 3 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Beryllium | 8/30/93 | 34 | 1 | | | U | ppb | 3 | B091J5 | SW-846 6010 |
| 299-W19-93 | Beta-BHC | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Bromide | 3/25/92 | 124 | 500 | | | U | ppb | 500 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Bromide | 5/05/92 | 124 | 500 | | | U | ppb | 500 | B06DY8 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074N9 | ASTM D-4327-88 |
| 299-W19-93 | Bromide | 10/16/92 | 124 | 500 | | | U | ppb | 500 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Bromide | 12/01/92 | 124 | 500 | | | U | ppb | 500 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Bromide | 2/03/93 | 124 | 500 | | | U | ppb | 500 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Bromide | 5/05/93 | 124 | 53 | | | U | ppb | 500 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Bromodichloromethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Bromoform | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Cadmium | 3/25/92 | 34 | 10 | | | U | ppb | 10 | B06548 | SW-846 6010 |
| 299-W19-93 | Cadmium | 10/16/92 | 34 | 10 | | | U | ppb | 10 | B07J94 | SW-846 6010 |
| 299-W19-93 | Cadmium | 12/01/92 | 34 | 10 | | | U | ppb | 10 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Cadmium | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08419 | SW-846 6010 |
| 299-W19-93 | Cadmium | 5/05/93 | 34 | 5 | | | U | ppb | 10 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Cadmium | 7/15/93 | 34 | 5 | | | U | ppb | 10 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Cadmium | 8/30/93 | 34 | 5 | | | U | ppb | 10 | B091J5 | SW-846 6010 |
| 299-W19-93 | Calcium | 3/25/92 | 34 | 43000 | | | | ppb | 100 | B06548 | SW-846 6010 |
| 299-W19-93 | Calcium | 10/16/92 | 34 | 23000 | | | | ppb | 100 | B07J94 | SW-846 6010 |
| 299-W19-93 | Calcium | 12/01/92 | 34 | 26000 | | | | ppb | 100 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Calcium | 2/03/93 | 34 | 28000 | | | | ppb | 100 | B08419 | SW-846 6010 |
| 299-W19-93 | Calcium | 5/05/93 | 34 | 24000 | 7270 | | | ppb | 100 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Calcium | 7/15/93 | 34 | 29000 | 8790 | | | ppb | 100 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Calcium | 8/30/93 | 34 | 14000 | 4240 | | | ppb | 100 | B091J5 | SW-846 6010 |
| 299-W19-93 | Carbon disulfide | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Carbon disulfide | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Carbon tetrachloride | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Cesium-137 | 10/16/92 | 140 | 0 | 7 | | U | pCi/L | 20 | B07J94 | ITAS Gamma Scan |
| 299-W19-93 | Cesium-137 | 2/03/93 | 140 | -1 | 6 | | U | pCi/L | 20 | B08419 | ITAS Gamma Scan |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Cesium-137 | 7/15/93 | 140 | 2 | 6 | | U | pCi/L | 20 | B08MR5 | ITAS Gamma Scan |
| 299-W19-93 | Chlordane | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Chloride | 3/25/92 | 124 | 1400 | 471 | | | ppb | 200 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 5/05/92 | 124 | 1500 | 505 | | | ppb | 200 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 8/12/92 | 124 | 1500 | 505 | | | ppb | 200 | B074N9 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 10/16/92 | 124 | 1200 | 404 | | | ppb | 200 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 12/01/92 | 124 | 1100 | 370 | | | ppb | 200 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 2/03/93 | 124 | 1200 | 404 | | | ppb | 200 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Chloride | 5/05/93 | 124 | 1200 | 199 | | | ppb | 200 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Chlorobenzene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Chloroethane | 7/15/93 | 16 | 1 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Chloroform | 3/25/92 | 16 | 1 | | | JU | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Chloroform | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Chloroform | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Chloroform | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Chloroform | 5/05/93 | 16 | 0 | | | L | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Chloroform | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Chloroprene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Chromium | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Chromium | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Chromium | 12/01/92 | 34 | 50 | 30 | | | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Chromium | 2/03/93 | 34 | 20 | 12 | | | ppb | 20 | B08419 | SW-846 6010 |
| 299-W19-93 | Chromium | 5/05/93 | 34 | 5 | | | U | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Chromium | 7/15/93 | 34 | 5 | | | U | ppb | 20 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Chromium | 8/30/93 | 34 | 43 | 11 | | | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Cobalt | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Cobalt | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Cobalt | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Cobalt | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08419 | SW-846 6010 |
| 299-W19-93 | Cobalt | 5/05/93 | 34 | 4 | | | U | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Cobalt | 7/15/93 | 34 | 4 | | | U | ppb | 20 | B08MR5 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Cobalt | 8/30/93 | 34 | 4 | 1 | | L | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Cobalt-60 | 10/16/92 | 140 | 3 | 8 | | U | pCi/L | | B07J94 | ITAS Gamma Scan |
| 299-W19-93 | Cobalt-60 | 2/03/93 | 140 | 1 | 5 | | U | pCi/L | | B08419 | ITAS Gamma Scan |
| 299-W19-93 | Cobalt-60 | 7/15/93 | 140 | 2 | 6 | | U | pCi/L | | B08MR5 | ITAS Gamma Scan |
| 299-W19-93 | Copper | 3/25/92 | 34 | 20 | 4 | | | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Copper | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Copper | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Copper | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08419 | SW-846 6010 |
| 299-W19-93 | Copper | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Copper | 7/15/93 | 34 | 3 | | | U | ppb | 20 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Copper | 8/30/93 | 34 | 5 | 1 | | L | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Cyanide | 7/15/93 | 56 | 1 | | | U | ppb | 20 | B08MR5 | SW-846 9010 |
| 299-W19-93 | Delta-BHC | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Dibromochloromethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Dibromomethane | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Dichlorodifluoromethane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Dieldrin | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Disulfoton | 7/15/93 | 29 | 0 | | | U | ppb | 2 | B08MR5 | SW-846 8140 |
| 299-W19-93 | Endosulfan I | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Endosulfan II | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Endosulfan sulfate | 7/15/93 | 17 | 0 | | | L | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Endrin | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Endrin Aldehyde | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Ethyl cyanide | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Ethyl cyanide | 7/15/93 | 16 | 4 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Ethyl cyanide | 7/15/93 | 16 | 4 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Ethyl methacrylate | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Ethylbenzene | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Fluoride | 3/25/92 | 124 | 100 | 21 | | | ppb | 100 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Fluoride | 5/05/92 | 124 | 100 | 21 | | | ppb | 100 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Fluoride | 8/12/92 | 124 | 100 | 21 | | | ppb | 100 | B074N9 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Fluoride | 10/16/92 | 124 | 100 | | | U | ppb | 100 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Fluoride | 12/01/92 | 124 | 100 | 21 | | | ppb | 100 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Fluoride | 2/03/93 | 124 | 200 | 42 | | | ppb | 100 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Fluoride | 5/05/93 | 124 | 200 | 13 | | L | ppb | 100 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Gross alpha | 3/25/92 | 135 | 125 | 31 | | | pCi/L | 4 | B06548 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 5/05/92 | 135 | 57 | 13 | | | pCi/L | 4 | B06DY8 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 8/12/92 | 135 | 23 | 6 | | | pCi/L | 4 | B074N9 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 10/16/92 | 135 | 23 | 6 | | | pCi/L | 4 | B07J94 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 12/01/92 | 135 | 24 | 7 | | | pCi/L | 4 | B07QG7 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 2/03/93 | 135 | 70 | 13 | | | pCi/L | 4 | B08419 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 5/05/93 | 135 | 19 | 6 | | | pCi/L | 4 | B08HT5 | SW-846 9310, Alpha |
| 299-W19-93 | Gross alpha | 8/30/93 | 135 | 30 | 8 | | | pCi/L | 4 | B091J5 | SW-846 9310, Alpha |
| 299-W19-93 | Gross beta | 3/25/92 | 136 | 88 | 10 | | | pCi/L | 8 | B06548 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 5/05/92 | 136 | 20 | 4 | | | pCi/L | 8 | B06DY8 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 8/12/92 | 136 | 13 | 3 | | | pCi/L | 8 | B074N9 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 10/16/92 | 136 | 13 | 3 | | | pCi/L | 8 | B07J94 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 12/01/92 | 136 | 12 | 3 | | | pCi/L | 8 | B07QG7 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 2/03/93 | 136 | 36 | 5 | | | pCi/L | 8 | B08419 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 5/05/93 | 136 | 10 | 3 | | | pCi/L | 8 | B08HT5 | SW-846 9310, Beta |
| 299-W19-93 | Gross beta | 8/30/93 | 136 | 32 | 5 | | | pCi/L | 8 | B091J5 | SW-846 9310, Beta |
| 299-W19-93 | Heptachlor | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Heptachlor epoxide | 7/15/93 | 17 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Iron | 3/25/92 | 34 | 41000 | 35300 | | | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Iron | 10/16/92 | 34 | 35000 | 30100 | | | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Iron | 12/01/92 | 34 | 70000 | 60200 | | | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Iron | 2/03/93 | 34 | 77000 | 66300 | | | ppb | 20 | B08419 | SW-846 6010 |
| 299-W19-93 | Iron | 5/05/93 | 34 | 5200 | 2320 | | | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Iron | 7/15/93 | 34 | 1100 | 492 | | | ppb | 20 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Iron | 8/30/93 | 34 | 82000 | 36700 | | | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Isobutyl alcohol | 7/15/93 | 16 | 27 | | | U | ppb | 200 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Lead | 7/15/93 | 40 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 7421 |
| 299-W19-93 | Magnesium | 3/25/92 | 34 | 7700 | | | | ppb | 100 | B06548 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Magnesium | 10/16/92 | 34 | 5500 | | | | ppb | 100 | B07J94 | SW-846 6010 |
| 299-W19-93 | Magnesium | 12/01/92 | 34 | 6000 | | | | ppb | 100 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Magnesium | 2/03/93 | 34 | 6300 | | | | ppb | 100 | B08419 | SW-846 6010 |
| 299-W19-93 | Magnesium | 5/05/93 | 34 | 5400 | 2830 | | | ppb | 100 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Magnesium | 7/15/93 | 34 | 6700 | 3520 | | | ppb | 100 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Magnesium | 8/30/93 | 34 | 5200 | 2730 | | | ppb | 100 | B091J5 | SW-846 6010 |
| 299-W19-93 | Manganese | 3/25/92 | 34 | 1800 | 275 | | | ppb | 10 | B06548 | SW-846 6010 |
| 299-W19-93 | Manganese | 10/16/92 | 34 | 650 | 99 | | | ppb | 10 | B07J94 | SW-846 6010 |
| 299-W19-93 | Manganese | 12/01/92 | 34 | 1100 | 168 | | | ppb | 10 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Manganese | 2/03/93 | 34 | 1200 | 183 | | | ppb | 10 | B08419 | SW-846 6010 |
| 299-W19-93 | Manganese | 5/05/93 | 34 | 70 | 19 | | | ppb | 10 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Manganese | 7/15/93 | 34 | 14 | 4 | | | ppb | 10 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Manganese | 8/30/93 | 34 | 770 | 216 | | | ppb | 10 | B091J5 | SW-846 6010 |
| 299-W19-93 | Mercury | 7/15/93 | 41 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 7470 |
| 299-W19-93 | Methacrylonitrile | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methoxychlor | 7/15/93 | 17 | 0 | | | U | ppb | 2 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Methyl Iodide | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methyl bromide | 7/15/93 | 16 | 1 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methyl chloride | 7/15/93 | 16 | 1 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 3/25/92 | 16 | 100 | | | U | ppb | 100 | B06548 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N9 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 10/16/92 | 16 | 100 | | | U | ppb | 100 | B07J94 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 12/01/92 | 16 | 100 | | | U | ppb | 100 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08419 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 5/05/93 | 16 | 4 | | | U | ppb | 100 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Methyl ethyl ketone | 7/15/93 | 16 | 4 | | | U | ppb | 100 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methyl methacrylate | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Methyl parathion | 7/15/93 | 29 | 0 | | | U | ppb | 1 | B08MR5 | SW-846 8140 |
| 299-W19-93 | Methylene chloride | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Methylene chloride | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Methylene chloride | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Methylene chloride | 2/03/93 | 16 | 1 | | | BJU | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Methylene chloride | 5/05/93 | 16 | 1 | | | LB | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Methylene chloride | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Nickel | 3/25/92 | 34 | 30 | | | U | ppb | 30 | B06548 | SW-846 6010 |
| 299-W19-93 | Nickel | 10/16/92 | 34 | 30 | | | U | ppb | 30 | B07J94 | SW-846 6010 |
| 299-W19-93 | Nickel | 12/01/92 | 34 | 30 | | | U | ppb | 30 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Nickel | 2/03/93 | 34 | 30 | 6 | | | ppb | 30 | B08419 | SW-846 6010 |
| 299-W19-93 | Nickel | 5/05/93 | 34 | 18 | | | U | ppb | 30 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Nickel | 7/15/93 | 34 | 18 | | | U | ppb | 30 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Nickel | 8/30/93 | 34 | 27 | 7 | | L | ppb | 30 | B091J5 | SW-846 6010 |
| 299-W19-93 | Nitrate | 3/25/92 | 124 | 500 | 281 | | | ppb | 200 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 5/05/92 | 124 | 400 | 225 | | | ppb | 200 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 8/12/92 | 124 | 200 | 113 | | | ppb | 200 | B074N9 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 10/16/92 | 124 | 100 | 56 | | U | ppb | 200 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 12/01/92 | 124 | 200 | | | U | ppb | 200 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 2/03/93 | 124 | 1700 | 957 | | | ppb | 200 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Nitrate | 5/05/93 | 124 | 400 | 35 | | | ppb | 200 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 3/25/92 | 124 | 200 | | | U | ppb | 200 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 5/05/92 | 124 | 200 | | | U | ppb | 200 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074N9 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 10/16/92 | 124 | 200 | | | U | ppb | 200 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 12/01/92 | 124 | 200 | | | U | ppb | 200 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 2/03/93 | 124 | 200 | | | U | ppb | 200 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Nitrite | 5/05/93 | 124 | 38 | | | U | ppb | 200 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Pentachloroethane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Phorate | 7/15/93 | 29 | 0 | | | U | ppb | 2 | B08MR5 | SW-846 8140 |
| 299-W19-93 | Phosphate | 3/25/92 | 124 | 400 | | | U | ppb | 400 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 3/25/92 | 124 | 400 | | | U | ppb | 500 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 400 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 500 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 400 | B074N9 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 500 | B074N9 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 400 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 10/16/92 | 124 | 400 | | | U | ppb | 500 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 400 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 12/01/92 | 124 | 400 | | | U | ppb | 500 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 400 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 500 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 5/05/93 | 124 | 147 | | | U | ppb | 400 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Phosphate | 5/05/93 | 124 | 147 | | | U | ppb | 500 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Plutonium-238 | 7/15/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MR5 | ITAS Isotopic Pu |
| 299-W19-93 | Plutonium-239/40 | 7/15/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MR5 | ITAS Isotopic Pu |
| 299-W19-93 | Potassium | 3/25/92 | 34 | 3500 | | | | ppb | 300 | B06548 | SW-846 6010 |
| 299-W19-93 | Potassium | 3/25/92 | 34 | 3500 | | | | ppb | 1000 | B06548 | SW-846 6010 |
| 299-W19-93 | Potassium | 10/16/92 | 34 | 2600 | | | | ppb | 300 | B07J94 | SW-846 6010 |
| 299-W19-93 | Potassium | 10/16/92 | 34 | 2600 | | | | ppb | 1000 | B07J94 | SW-846 6010 |
| 299-W19-93 | Potassium | 12/01/92 | 34 | 3400 | | | | ppb | 300 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Potassium | 12/01/92 | 34 | 3400 | | | | ppb | 1000 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Potassium | 2/03/93 | 34 | 3900 | | | | ppb | 300 | B08419 | SW-846 6010 |
| 299-W19-93 | Potassium | 2/03/93 | 34 | 3900 | | | | ppb | 1000 | B08419 | SW-846 6010 |
| 299-W19-93 | Potassium | 5/05/93 | 34 | 2000 | 2110 | | | ppb | 300 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Potassium | 5/05/93 | 34 | 2000 | 2110 | | | ppb | 1000 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Potassium | 7/15/93 | 34 | 2100 | 2010 | | | ppb | 300 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Potassium | 7/15/93 | 34 | 2100 | 2010 | | | ppb | 1000 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Potassium | 8/30/93 | 34 | 2500 | 2390 | | | ppb | 300 | B091J5 | SW-846 6010 |
| 299-W19-93 | Potassium | 8/30/93 | 34 | 2500 | 2390 | | | ppb | 1000 | B091J5 | SW-846 6010 |
| 299-W19-93 | Ruthenium-106 | 10/16/92 | 140 | 8 | 49 | | U | pCi/L | | B07J94 | ITAS Gamma Scan |
| 299-W19-93 | Ruthenium-106 | 2/03/93 | 140 | 1 | 55 | | U | pCi/L | | B08419 | ITAS Gamma Scan |
| 299-W19-93 | Ruthenium-106 | 7/15/93 | 140 | -8 | 49 | | U | pCi/L | | B08MR5 | ITAS Gamma Scan |
| 299-W19-93 | Selenium | 7/15/93 | 48 | 1 | | | U | ppb | 10 | B08MR5 | SW-846 7740 |
| 299-W19-93 | Silver | 3/25/92 | 34 | 20 | | | U | ppb | 20 | B06548 | SW-846 6010 |
| 299-W19-93 | Silver | 10/16/92 | 34 | 20 | | | U | ppb | 20 | B07J94 | SW-846 6010 |
| 299-W19-93 | Silver | 12/01/92 | 34 | 20 | | | U | ppb | 20 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Silver | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08419 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Silver | 5/05/93 | 34 | 3 | | | U | ppb | 20 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Silver | 7/15/93 | 34 | 3 | 1 | | L | ppb | 20 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Silver | 8/30/93 | 34 | 5 | 1 | | L | ppb | 20 | B091J5 | SW-846 6010 |
| 299-W19-93 | Sodium | 3/25/92 | 34 | 2700 | | | | ppb | 300 | B06548 | SW-846 6010 |
| 299-W19-93 | Sodium | 10/16/92 | 34 | 2700 | | | | ppb | 300 | B07J94 | SW-846 6010 |
| 299-W19-93 | Sodium | 12/01/92 | 34 | 3500 | | | | ppb | 300 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Sodium | 2/03/93 | 34 | 2900 | | | | ppb | 300 | B08419 | SW-846 6010 |
| 299-W19-93 | Sodium | 5/05/93 | 34 | 2400 | 749 | | | ppb | 300 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Sodium | 7/15/93 | 34 | 2600 | 811 | | | ppb | 300 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Sodium | 8/30/93 | 34 | 2900 | 905 | | | ppb | 300 | B091J5 | SW-846 6010 |
| 299-W19-93 | Specific conductance | 3/25/92 | 73 | 180 | | | | umhos | | B06548 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 3/25/92 | 94 | 163 | | | | umhos | 1 | B06548 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 5/05/92 | 94 | 154 | | | | umhos | 1 | B06DY8 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 8/12/92 | 73 | 170 | | | | umhos | | B074N9 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 8/12/92 | 94 | 167 | | | | umhos | 1 | B074N9 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 10/16/92 | 73 | 180 | | | | umhos | | B07J94 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 10/16/92 | 94 | 169 | | | | umhos | 1 | B07J94 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 12/01/92 | 73 | 180 | | | | umhos | | B07QG7 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 12/01/92 | 94 | 208 | | | | umhos | 1 | B07QG7 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 2/03/93 | 73 | 200 | | | | umhos | | B08419 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 2/03/93 | 94 | 178 | | | | umhos | 1 | B08419 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 5/05/93 | 73 | 180 | | | | umhos | | B08HT5 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 5/05/93 | 94 | 182 | | | | umhos | 1 | B08HT5 | Probe, Conductivity |
| 299-W19-93 | Specific conductance | 7/15/93 | 73 | 210 | | | | umhos | | B08MR5 | ASTM D-1125-A |
| 299-W19-93 | Specific conductance | 8/30/93 | 94 | 114 | | | | umhos | 1 | B091J5 | Probe, Conductivity |
| 299-W19-93 | Strontium-90 | 10/16/92 | 141 | 1 | 1 | | U | pCi/L | 5 | B07J94 | ITAS Sr-90 |
| 299-W19-93 | Strontium-90 | 2/03/93 | 141 | 2 | 1 | | U | pCi/L | 5 | B08419 | ITAS Sr-90 |
| 299-W19-93 | Strontium-90 | 7/15/93 | 141 | 2 | 1 | | | pCi/L | 5 | B08MR5 | ITAS Sr-90 |
| 299-W19-93 | Styrene | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Sulfate | 3/25/92 | 124 | 9900 | 9550 | | | ppb | 500 | B06548 | ASTM D-4327-88 |
| 299-W19-93 | Sulfate | 5/05/92 | 124 | 13000 | 12500 | | | ppb | 500 | B06DY8 | ASTM D-4327-88 |
| 299-W19-93 | Sulfate | 8/12/92 | 124 | 8600 | 8300 | | | ppb | 500 | B074N9 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Sulfate | 10/16/92 | 124 | 8100 | 7810 | | | ppb | 500 | B07J94 | ASTM D-4327-88 |
| 299-W19-93 | Sulfate | 12/01/92 | 124 | 8500 | 8200 | | | ppb | 500 | B07QG7 | ASTM D-4327-88 |
| 299-W19-93 | Sulfate | 2/03/93 | 124 | 9500 | 9170 | | | ppb | 500 | B08419 | ASTM D-4327-88 |
| 299-W19-93 | Sulfate | 5/05/93 | 124 | 12000 | 583 | | | ppb | 500 | B08HT5 | ASTM D-4327-88 |
| 299-W19-93 | Technetium-99 | 7/15/93 | 143 | 1 | 2 | | U | pCi/L | 15 | B08MR5 | ITAS Tc-99 |
| 299-W19-93 | Temperature, field | 3/25/92 | 170 | 17 | | | | DegC | 0 | B06548 | Probe, temperature |
| 299-W19-93 | Temperature, field | 5/05/92 | 170 | 13 | | | | DegC | 0 | B06DY8 | Probe, temperature |
| 299-W19-93 | Temperature, field | 8/12/92 | 170 | 15 | | | | DegC | 0 | B074N9 | Probe, temperature |
| 299-W19-93 | Temperature, field | 10/16/92 | 170 | 15 | | | | DegC | 0 | B07J94 | Probe, temperature |
| 299-W19-93 | Temperature, field | 12/01/92 | 170 | 15 | | | | DegC | 0 | B07QG7 | Probe, temperature |
| 299-W19-93 | Temperature, field | 2/03/93 | 170 | 18 | | | | DegC | 0 | B08419 | Probe, temperature |
| 299-W19-93 | Temperature, field | 5/05/93 | 170 | 13 | | | | DegC | 0 | B08HT5 | Probe, temperature |
| 299-W19-93 | Temperature, field | 8/30/93 | 170 | 18 | | | | DegC | 0 | B091J5 | Probe, temperature |
| 299-W19-93 | Tetrachloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Tetrachloroethene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06548 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N9 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J94 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08419 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 5/05/93 | 16 | 4 | | | U | ppb | 10 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Tetrahydrofuran | 7/15/93 | 16 | 4 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Thallium | 7/15/93 | 42 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 7841 |
| 299-W19-93 | Tin | 3/25/92 | 34 | 100 | | | U | ppb | 100 | B06548 | SW-846 6010 |
| 299-W19-93 | Tin | 10/16/92 | 34 | 100 | | | U | ppb | 100 | B07J94 | SW-846 6010 |
| 299-W19-93 | Tin | 12/01/92 | 34 | 100 | | | U | ppb | 100 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Tin | 2/03/93 | 34 | 100 | | | U | ppb | 100 | B08419 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Tin | 5/05/93 | 34 | 51 | | | U | ppb | 100 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Tin | 7/15/93 | 34 | 51 | | | U | ppb | 100 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Tin | 8/30/93 | 34 | 51 | | | U | ppb | 100 | B091J5 | SW-846 6010 |
| 299-W19-93 | Toluene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Toluene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Toluene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Toluene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Toluene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Toluene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Total Dissolved Solids | 7/15/93 | 65 | 110 | | | | ppm | 10 | B08MR5 | Std Meth #209B |
| 299-W19-93 | Total Organic Carbon | 3/25/92 | 122 | 1000 | | | U | ppb | 1000 | B06548 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074N9 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 10/16/92 | 122 | 1000 | | | U | ppb | 1000 | B07J94 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 12/01/92 | 122 | 1000 | | | U | ppb | 1000 | B07QG7 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 2/03/93 | 122 | 1000 | | | U | ppb | 1000 | B08419 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 5/05/93 | 122 | 500 | | | L | ppb | 1000 | B08HT5 | SW-846 9060 |
| 299-W19-93 | Total Organic Carbon | 8/30/93 | 122 | 500 | | | L | ppb | 1000 | B091J5 | SW-846 9060 |
| 299-W19-93 | Total Organic Halogen | 3/25/92 | 67 | 10 | | | | ppb | 10 | B06548 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 3/25/92 | 67 | 10 | | | U | ppb | 10 | B06548 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074N9 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 10/16/92 | 67 | 10 | | | U | ppb | 10 | B07J94 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 12/01/92 | 67 | | | | U | ppb | 10 | B07QG7 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 12/01/92 | 67 | 10 | | | U | ppb | 10 | B07QG7 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 2/03/93 | 67 | 10 | | | U | ppb | 10 | B08419 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 5/05/93 | 67 | 8 | | | U | ppb | 10 | B08HT5 | SW-846 9020 |
| 299-W19-93 | Total Organic Halogen | 8/30/93 | 67 | 9 | 5 | | L | ppb | 10 | B091J5 | SW-846 9020 |
| 299-W19-93 | Toxaphene | 7/15/93 | 17 | 1 | | | U | ppb | 2 | B08MR5 | SW-846 8080 |
| 299-W19-93 | Trichloroethene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Trichloroethene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Trichloroethene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Trichloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Trichloroethene | 5/05/93 | 16 | 1 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Trichloroethene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Trichloromonofluoromethane | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Tritium | 3/25/92 | 142 | 353 | 273 | | U | pCi/L | 500 | B06548 | ITAS H-3 |
| 299-W19-93 | Tritium | 5/05/92 | 142 | 302 | 241 | | U | pCi/L | 500 | B06DY8 | ITAS H-3 |
| 299-W19-93 | Tritium | 8/12/92 | 142 | 18 | 220 | | U | pCi/L | 500 | B074N9 | ITAS H-3 |
| 299-W19-93 | Tritium | 10/16/92 | 142 | -55 | 235 | | U | pCi/L | 500 | B07J94 | ITAS H-3 |
| 299-W19-93 | Tritium | 12/01/92 | 142 | 124 | 240 | | U | pCi/L | 500 | B07QG7 | ITAS H-3 |
| 299-W19-93 | Tritium | 2/03/93 | 142 | 228 | 222 | | U | pCi/L | 500 | B08419 | ITAS H-3 |
| 299-W19-93 | Tritium | 5/05/93 | 142 | 151 | 216 | | U | pCi/L | 500 | B08HT5 | ITAS H-3 |
| 299-W19-93 | Tritium | 8/30/93 | 142 | -95 | 243 | | U | pCi/L | 500 | B091J5 | ITAS H-3 |
| 299-W19-93 | Uranium | 3/25/92 | 145 | 139 | 36 | | | ppb | 1 | B06548 | ITAS Gross U |
| 299-W19-93 | Uranium | 5/05/92 | 145 | 71 | 19 | | | ppb | 1 | B06DY8 | ITAS Gross U |
| 299-W19-93 | Uranium | 8/12/92 | 145 | 21 | 6 | | | ppb | 1 | B074N9 | ITAS Gross U |
| 299-W19-93 | Uranium | 10/16/92 | 145 | 27 | 7 | | | ppb | 1 | B07J94 | ITAS Gross U |
| 299-W19-93 | Uranium | 12/01/92 | 145 | 27 | 7 | | | ppb | 1 | B07QG7 | ITAS Gross U |
| 299-W19-93 | Uranium | 5/05/93 | 145 | 33 | 9 | | | ppb | 1 | B08HT5 | ITAS Gross U |
| 299-W19-93 | Uranium | 8/30/93 | 145 | 23 | 7 | | | ppb | 1 | B091J5 | ITAS Gross U |
| 299-W19-93 | Uranium-234 | 7/15/93 | 148 | 15 | 1 | | | pCi/L | 0 | B08MR5 | ITAS Isotopic U |
| 299-W19-93 | Uranium-235 | 7/15/93 | 148 | 1 | 0 | | | pCi/L | 0 | B08MR5 | ITAS Isotopic U |
| 299-W19-93 | Uranium-238 | 2/03/93 | 145 | 128 | 36 | | | ppb | 1 | B08419 | ITAS Gross U |
| 299-W19-93 | Uranium-238 | 7/15/93 | 148 | 12 | 1 | | | pCi/L | 0 | B08MR5 | ITAS Isotopic U |
| 299-W19-93 | Vanadium | 3/25/92 | 34 | 30 | | | U | ppb | 30 | B06548 | SW-846 6010 |
| 299-W19-93 | Vanadium | 10/16/92 | 34 | 30 | | | U | ppb | 30 | B07J94 | SW-846 6010 |
| 299-W19-93 | Vanadium | 12/01/92 | 34 | 30 | | | U | ppb | 30 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Vanadium | 2/03/93 | 34 | 30 | 4 | | | ppb | 30 | B08419 | SW-846 6010 |
| 299-W19-93 | Vanadium | 5/05/93 | 34 | 4 | | | U | ppb | 30 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Vanadium | 7/15/93 | 34 | 10 | 2 | | L | ppb | 30 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Vanadium | 8/30/93 | 34 | 12 | 2 | | L | ppb | 30 | B091J5 | SW-846 6010 |
| 299-W19-93 | Vinyl acetate | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 3/25/92 | 16 | 10 | | | U | ppb | 10 | B06548 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N9 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 10/16/92 | 16 | 10 | | | U | ppb | 10 | B07J94 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 12/01/92 | 16 | 10 | | | U | ppb | 10 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08419 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 5/05/93 | 16 | 1 | | | U | ppb | 10 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Vinyl chloride | 7/15/93 | 16 | 1 | | | U | ppb | 10 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 5/05/93 | 16 | 2 | | | U | ppb | 5 | B08HT5 | SW-846 8240 |
| 299-W19-93 | Xylenes (total) | 7/15/93 | 16 | 2 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | Zinc | 3/25/92 | 34 | 20 | 3 | | | ppb | 10 | B06548 | SW-846 6010 |
| 299-W19-93 | Zinc | 10/16/92 | 34 | 10 | | | U | ppb | 10 | B07J94 | SW-846 6010 |
| 299-W19-93 | Zinc | 12/01/92 | 34 | 30 | 4 | | | ppb | 10 | B07QG7 | SW-846 6010 |
| 299-W19-93 | Zinc | 2/03/93 | 34 | 20 | 3 | | | ppb | 10 | B08419 | SW-846 6010 |
| 299-W19-93 | Zinc | 5/05/93 | 34 | 3 | | | U | ppb | 10 | B08HT5 | SW-846 6010 |
| 299-W19-93 | Zinc | 7/15/93 | 34 | 6 | 2 | | L | ppb | 10 | B08MR5 | SW-846 6010 |
| 299-W19-93 | Zinc | 8/30/93 | 34 | 14 | 4 | | | ppb | 10 | B091J5 | SW-846 6010 |
| 299-W19-93 | allylchloride | 7/15/93 | 16 | 1 | | | U | ppb | 100 | B08MR5 | SW-846 8240 |
| 299-W19-93 | cis-1,3-Dichloropropene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | gamma-BHC (Lindane) | 7/15/93 | 17 | 0 | | | U | ppb | 0 | B08MR5 | SW-846 8080 |
| 299-W19-93 | pH | 3/25/92 | 125 | 8 | | | | pH | | B06548 | ASTM D-1293 |
| 299-W19-93 | pH | 3/25/92 | 93 | 8 | | | | | 0 | B06548 | Probe, pH |
| 299-W19-93 | pH | 5/05/92 | 93 | 8 | | | | | 0 | B06DY8 | Probe, pH |
| 299-W19-93 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074N9 | ASTM D-1293 |
| 299-W19-93 | pH | 8/12/92 | 93 | 9 | | | | | 0 | B074N9 | Probe, pH |
| 299-W19-93 | pH | 10/16/92 | 125 | 8 | | | | pH | | B07J94 | ASTM D-1293 |
| 299-W19-93 | pH | 10/16/92 | 93 | 8 | | | | | 0 | B07J94 | Probe, pH |
| 299-W19-93 | pH | 12/01/92 | 125 | 8 | | | | pH | | B07QG7 | ASTM D-1293 |
| 299-W19-93 | pH | 12/01/92 | 93 | 8 | | | | | 0 | B07QG7 | Probe, pH |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-93 | pH | 2/03/93 | 125 | 8 | | | | pH | | B08419 | ASTM D-1293 |
| 299-W19-93 | pH | 2/03/93 | 93 | 8 | | | | | 0 | B08419 | Probe, pH |
| 299-W19-93 | pH | 5/05/93 | 125 | 8 | | | | pH | | B08HT5 | ASTM D-1293 |
| 299-W19-93 | pH | 5/05/93 | 93 | 8 | | | | | 0 | B08HT5 | Probe, pH |
| 299-W19-93 | pH | 7/15/93 | 125 | 8 | | | | pH | | B08MR5 | ASTM D-1293 |
| 299-W19-93 | pH | 8/30/93 | 125 | 9 | | | | pH | | B091J5 | ASTM D-1293 |
| 299-W19-93 | pH | 8/30/93 | 93 | 8 | | | | | 0 | B091J5 | Probe, pH |
| 299-W19-93 | trans-1,2-Dichloroethylene | 3/25/92 | 16 | 5 | | | U | ppb | 5 | B06548 | SW-846 8240 |
| 299-W19-93 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N9 | SW-846 8240 |
| 299-W19-93 | trans-1,2-Dichloroethylene | 10/16/92 | 16 | 5 | | | U | ppb | 5 | B07J94 | SW-846 8240 |
| 299-W19-93 | trans-1,2-Dichloroethylene | 12/01/92 | 16 | 5 | | | U | ppb | 5 | B07QG7 | SW-846 8240 |
| 299-W19-93 | trans-1,2-Dichloroethylene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08419 | SW-846 8240 |
| 299-W19-93 | trans-1,3-Dichloropropene | 7/15/93 | 16 | 0 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |
| 299-W19-93 | trans-1,4-dichloro-2-butene | 7/15/93 | 16 | 1 | | | U | ppb | 5 | B08MR5 | SW-846 8240 |

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9413130.0595

# APPENDIX F

# GROUNDWATER DATA

B = Blank.
J = Concentration is estimated.
L = Concentration is below CRQL but above the MDL.
pCi/L = Picocuries/Liter.
U = Undetected.
Y = Filtered sample.

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9413155.0597

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | 1,1,1,2-Tetrachloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,1,1,2-Tetrachloroethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,1,1,2-Tetrachloroethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,1,1,2-Tetrachloroethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,1,1,2-Tetrachloroethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | 1,1,1-Trichloroethane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,1,2,2-Tetrachloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,1,2,2-Tetrachloroethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,1,2,2-Tetrachloroethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,1,2,2-Tetrachloroethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,1,2,2-Tetrachloroethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | 1,1,2-Trichloroethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,1-Dichloroethane | 7/23/87 | 45 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,1-Dichloroethane | 10/14/87 | 45 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,1-Dichloroethane | 1/08/88 | 45 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,1-Dichloroethane | 8/17/88 | 45 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | 1,1-Dichloroethane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,1-Dichloroethene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,1-Dichloroethene | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,1-Dichloroethene | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,1-Dichloroethene | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | 1,1-Dichloroethene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2,3,4-tetrachlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2,3,4-tetrachlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2,3,4-tetrachlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2,3,5-tetrachlorobenzene | 7/23/87 | 19 | 10 | | | U | ppb | | H0009WS1 | SW-846 8270 |
| 299-W18-15 | 1,2,3,5-tetrachlorobenzene | 10/14/87 | 19 | 10 | | | U | ppb | | H0009WS5 | SW-846 8270 |
| 299-W18-15 | 1,2,3,5-tetrachlorobenzene | 1/08/88 | 19 | 10 | | | U | ppb | | H0009WS9 | SW-846 8270 |
| 299-W18-15 | 1,2,3-Trichloropropane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,2,3-Trichloropropane | 7/23/87 | 76 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2,3-Trichloropropane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,2,3-Trichloropropane | 10/14/87 | 76 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2,3-Trichloropropane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,2,3-Trichloropropane | 1/08/88 | 76 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2,3-Trichloropropane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,2,3-Trichloropropane | 8/17/88 | 76 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | 1,2,3-Trichloropropane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2,3-trichlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2,3-trichlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2,3-trichlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2,4,5-Tetrachlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2,4,5-Tetrachlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2,4,5-Tetrachlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2,4-Trichlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2,4-Trichlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2,4-Trichlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2-Dibromo-3-chloropropane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromo-3-chloropropane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromo-3-chloropropane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromo-3-chloropropane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromo-3-chloropropane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromoethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromoethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | 1,2-Dibromoethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromoethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,2-Dibromoethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,2-Dichlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,2-Dichlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,2-Dichloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloroethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloroethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloroethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloroethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloroethene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloropropane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloropropane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloropropane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloropropane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,2-Dichloropropane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,2-Diphenylhydrazine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,3,5-trichlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,3,5-trichlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,3,5-trichlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,3-Dichlorobenzene | 7/23/87 | 20 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,3-Dichlorobenzene | 10/14/87 | 20 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,3-Dichlorobenzene | 1/08/88 | 20 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,3-Dichloropropene | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 1,3-Dichloropropene | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,3-Dichloropropene | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,3-Dichloropropene | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,4-Dichlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | 1,4-Dichlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | 1,4-Dichlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1,4-Dioxane | 7/23/87 | 16 | 500 | | | U | ppb | 200 | H0009WS1 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | 1,4-Dioxane | 10/14/87 | 16 | 500 | | | U | ppb | 200 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 1,4-Dioxane | 1/08/88 | 16 | 500 | | | U | ppb | 200 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 1,4-Dioxane | 8/17/88 | 16 | 500 | | | U | ppb | 200 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 1,4-Dioxane | 7/29/93 | 16 | 44 | | | U | ppb | 200 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1,4-Naphtoquinone | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1-Butanol | 7/29/93 | 16 | 13 | | | U | ppb | 1000 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 1-Chloro-2,3-epoxypropane | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 1-Naphthylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,3,4,6-Tetrachlorophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,4,5-T | 7/29/93 | 49 | 0 | | | U | ppb | 2 | B08MP9 | SW-846 8150 |
| 299-W18-15 | 2,4,5-TP | 7/29/93 | 49 | 0 | | | U | ppb | 2 | B08MP9 | SW-846 8150 |
| 299-W18-15 | 2,4,5-Trichlorophenol | 1/08/88 | 21 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,4,6-Trichlorophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,4-D | 7/29/93 | 49 | 0 | | | U | ppb | 10 | B08MP9 | SW-846 8150 |
| 299-W18-15 | 2,4-Dichlorophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,4-Dimethylphenol | 1/08/88 | 19 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8270 |
| 299-W18-15 | 2,4-Dinitrophenol | 1/08/88 | 72 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,4-Dinitrotoluene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,6-Dichlorophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2,6-Dinitrotoluene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Acetylaminofluorene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Chloroethyl vinyl ether | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | 2-Chloroethyl vinyl ether | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 2-Chloroethyl vinyl ether | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 2-Chloroethyl vinyl ether | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 2-Chloronaphthalene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Chlorophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Cyclohexyl-4,6-dinitrophenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Hexanone | 7/29/93 | 16 | 1 | | | U | ppb | 50 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 2-Methylaziridine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Methyllactonitrile | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-Naphthylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | 2-Picoline | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-methyl-2-(methylthio) propionaldehyde- | 1/08/88 | 76 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/29/93 | 49 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8150 |
| 299-W18-15 | 3,3'-Dichlorobenzidine | 1/08/88 | 21 | 20 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 3,3'-Dimethoxybenzidine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 3,3'-Dimethylbenzidine | 1/08/88 | 19 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8270 |
| 299-W18-15 | 3,3'-Dimethylbenzidine | 1/08/88 | 19 | 10 | | | U | ppb | 50 | H0009WS9 | SW-846 8270 |
| 299-W18-15 | 3-Methylcholanthrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4,4'-DDD | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | 4,4'-DDE | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | 4,4'-DDT | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | 4,4'-Methylenebis(2-chloroaniline) | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4,6-Dinitro-2-methylphenol | 1/08/88 | 72 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Aminobiphenyl | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Bromophenylphenyl ether | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Chloro-3-methylphenol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Chloroaniline | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Methyl-2-pentanone | 10/14/87 | 16 | 10 | | | U | ppb | 50 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | 4-Methyl-2-pentanone | 1/08/88 | 16 | 10 | | | U | ppb | 50 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | 4-Methyl-2-pentanone | 8/17/88 | 16 | 10 | | | U | ppb | 50 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | 4-Methyl-2-pentanone | 12/01/88 | 16 | 10 | | | U | ppb | 50 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | 4-Methyl-2-pentanone | 7/29/93 | 16 | 1 | | | U | ppb | 50 | B08MP9 | SW-846 8240 |
| 299-W18-15 | 4-Nitroaniline | 1/08/88 | 21 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 4-Nitrophenol | 1/08/88 | 21 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 5-(Aminomethyl)-3-isoxazolol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 5-Nitro-o-toluidine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 7,12-Dimethylbenz[a]anthracene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | 7H-Dibenzo[c,g]carbazole | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Acetone | 7/29/93 | 16 | 13 | | | U | ppb | 100 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Acetonitrile | 10/14/87 | 16 | 3000 | | | U | ppb | 200 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Acetonitrile | 1/08/88 | 16 | 3000 | | | U | ppb | 200 | H0009WS9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Acetonitrile | 8/17/88 | 16 | 3000 | | | U | ppb | 200 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Acetonitrile | 7/29/93 | 16 | 19 | | | U | ppb | 200 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Acetophenone | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Acrolein | 7/23/87 | 16 | 10 | | | U | ppb | 10 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Acrolein | 10/14/87 | 16 | 10 | | | U | ppb | 10 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Acrolein | 1/08/88 | 16 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Acrolein | 8/17/88 | 16 | 10 | | | U | ppb | 10 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Acrolein | 7/29/93 | 16 | 10 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Acrylonitrile | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Acrylonitrile | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Acrylonitrile | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Acrylonitrile | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Acrylonitrile | 7/29/93 | 16 | 4 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Aldrin | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Alkalinity | 7/23/87 | 53 | 99400 | | | | ppb | | H0009WS1 | |
| 299-W18-15 | Alkalinity | 10/14/87 | 53 | 97300 | | | | ppb | | H0009WS5 | |
| 299-W18-15 | Alkalinity | 1/08/88 | 53 | 95300 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Alkalinity | 8/17/88 | 53 | 96000 | | | | ppb | | H0009WT2 | |
| 299-W18-15 | Alkalinity | 12/01/88 | 53 | 95200 | | | | ppb | | H0009WT5 | |
| 299-W18-15 | Alkalinity | 7/29/93 | 52 | 100 | | | | ppm | 50 | B08MP9 | ASTM D-1067-A |
| 299-W18-15 | Alpha,alpha-Dimethylphenethylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Alpha-BHC | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aluminum | 7/23/87 | 34 | 150 | | Y | U | ppb | 200 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Aluminum | 10/14/87 | 34 | 150 | | Y | U | ppb | 200 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Aluminum | 1/08/88 | 34 | 150 | | Y | U | ppb | 200 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Aluminum | 1/08/88 | 35 | 150 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Aluminum | 8/17/88 | 34 | 150 | | Y | U | ppb | 200 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Aluminum | 12/01/88 | 34 | 150 | | Y | U | ppb | 200 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Aluminum | 7/29/93 | 34 | 33 | | | U | ppb | 200 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Aluminum | 7/29/93 | 34 | 33 | | Y | U | ppb | 200 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Americium-241 | 7/29/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08MP9 | ITAS Am-241 |
| 299-W18-15 | Amitrole | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Ammonium ion | 7/23/87 | 54 | 50 | | | U | ppb | 100 | H0009WS1 | ASTM D-1426-D |
| 299-W18-15 | Ammonium ion | 10/14/87 | 54 | 50 | | | U | ppb | 100 | H0009WS5 | ASTM D-1426-D |
| 299-W18-15 | Ammonium ion | 1/08/88 | 54 | 50 | | | U | ppb | 100 | H0009WS9 | ASTM D-1426-D |
| 299-W18-15 | Ammonium ion | 8/17/88 | 54 | 50 | | | U | ppb | 100 | H0009WT2 | ASTM D-1426-D |
| 299-W18-15 | Ammonium ion | 12/01/88 | 54 | 50 | | | U | ppb | 100 | H0009WT5 | ASTM D-1426-D |
| 299-W18-15 | Ammonium ion | 7/29/93 | 54 | 39 | | | U | ppb | 100 | B08MP9 | ASTM D-1426-D |
| 299-W18-15 | Aniline | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Antimony | 7/29/93 | 34 | 69 | | | U | ppb | 200 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 7/23/87 | 34 | 100 | | Y | U | ppb | 200 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 10/14/87 | 34 | 100 | | Y | U | ppb | 200 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 1/08/88 | 34 | 100 | | Y | U | ppb | 200 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 8/17/88 | 34 | 100 | | Y | U | ppb | 200 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 12/01/88 | 34 | 100 | | Y | U | ppb | 200 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Antimony, filtered | 7/29/93 | 34 | 69 | | Y | U | ppb | 200 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Antimony-125 | 7/29/93 | 140 | 15 | 18 | | U | pCi/L | | B08MP9 | ITAS Gamma Scan |
| 299-W18-15 | Aramite | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Aroclor-1016 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1221 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1232 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1242 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1248 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1254 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Aroclor-1260 | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Arsenic | 1/08/88 | 43 | 10 | | | | ppb | 5 | H0009WS9 | SW-846 7060 |
| 299-W18-15 | Arsenic | 7/29/93 | 43 | 11 | 9 | | | ppb | 5 | B08MP9 | SW-846 7060 |
| 299-W18-15 | Arsenic, filtered | 7/23/87 | 76 | 11 | | Y | | ppb | | H0009WS1 | |
| 299-W18-15 | Arsenic, filtered | 10/14/87 | 76 | 10 | | Y | | ppb | | H0009WS5 | |
| 299-W18-15 | Arsenic, filtered | 1/08/88 | 76 | 12 | | Y | | ppb | | H0009WS9 | |
| 299-W18-15 | Arsenic, filtered | 7/29/93 | 43 | 11 | 9 | Y | | ppb | 5 | B08MQ0 | SW-846 7060 |
| 299-W18-15 | Auramine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Barium | 1/08/88 | 35 | 21 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Barium | 7/29/93 | 34 | 21 | 0 | | | ppb | 20 | B08MP9 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Barium, filtered | 7/23/87 | 34 | 22 | | Y | | ppb | 20 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Barium, filtered | 10/14/87 | 34 | 25 | | Y | | ppb | 20 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Barium, filtered | 1/08/88 | 34 | 20 | | Y | | ppb | 20 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Barium, filtered | 8/17/88 | 34 | 23 | | Y | | ppb | 20 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Barium, filtered | 12/01/88 | 34 | 20 | | Y | | ppb | 20 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Barium, filtered | 7/29/93 | 34 | 21 | 0 | Y | | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Benz[c]acridine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Benzene | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Benzene | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Benzene | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Benzene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Benzene, dichloromethyl- | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzenethiol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzidine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzo(a)anthracene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzo(a)pyrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzo(b)fluoranthene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzo(j)fluoranthene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Benzyl chloride | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Beryllium | 7/29/93 | 34 | 1 | | | U | ppb | 3 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 7/23/87 | 34 | 5 | | Y | U | ppb | 3 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 10/14/87 | 34 | 5 | | Y | U | ppb | 3 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 1/08/88 | 34 | 5 | | Y | U | ppb | 3 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 8/17/88 | 34 | 5 | | Y | U | ppb | 3 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 12/01/88 | 34 | 5 | | Y | U | ppb | 3 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Beryllium, filtered | 7/29/93 | 34 | 1 | | Y | U | ppb | 3 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Beta-BHC | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Bis(2-Choroethoxy)methane | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Bis(2-chloroethyl) ether | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Bis(2-chloroisopropyl) ether | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Bis(2-ethylhexyl) phthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Bis(chloromethyl) ether | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Bis(chloromethyl) ether | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Bis(chloromethyl) ether | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Bis(chloromethyl) ether | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Bromoacetone | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Bromoacetone | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Bromoacetone | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Bromoacetone | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Bromodichloromethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Bromoform | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Bromoform | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Bromoform | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Bromoform | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Bromoform | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Butylbenzylphthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Cadmium | 1/08/88 | 35 | 2 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Cadmium | 7/29/93 | 34 | 5 | | | U | ppb | 10 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 7/23/87 | 34 | 2 | | Y | U | ppb | 10 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 10/14/87 | 34 | 2 | | Y | U | ppb | 10 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 1/08/88 | 34 | 2 | | Y | U | ppb | 10 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 8/17/88 | 34 | 2 | | Y | U | ppb | 10 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 12/01/88 | 34 | 2 | | Y | U | ppb | 10 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Cadmium, filtered | 7/29/93 | 34 | 5 | | Y | U | ppb | 10 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Calcium | 1/08/88 | 35 | 23500 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Calcium | 7/29/93 | 34 | 22000 | 6670 | | | ppb | 100 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 7/23/87 | 34 | 21800 | | Y | | ppb | 100 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 10/14/87 | 34 | 20900 | | Y | | ppb | 100 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 1/08/88 | 34 | 21000 | | Y | | ppb | 100 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 8/17/88 | 34 | 23600 | | Y | | ppb | 100 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 12/01/88 | 34 | 23500 | | Y | | ppb | 100 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Calcium, filtered | 7/29/93 | 34 | 21000 | 6360 | Y | | ppb | 100 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Carbon disulfide | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Carbon disulfide | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Carbon disulfide | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Carbon disulfide | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Carbon disulfide | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 7/23/87 | 16 | 119 | | | | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 10/14/87 | 16 | 98 | | | | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 1/08/88 | 16 | 120 | | | | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 8/17/88 | 16 | 110 | | | | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 12/01/88 | 16 | 89 | | | | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Carbon tetrachloride | 7/29/93 | 16 | 140 | | | | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Cesium-137 | 4/28/81 | 77 | 0 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Cesium-137 | 6/01/81 | 77 | 0 | | | | pCi/L | | H0009WJ3 | |
| 299-W18-15 | Cesium-137 | 6/17/81 | 77 | 0 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Cesium-137 | 8/19/81 | 77 | 0 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Cesium-137 | 9/09/81 | 77 | 0 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Cesium-137 | 9/15/81 | 77 | 0 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Cesium-137 | 10/15/81 | 77 | 0 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Cesium-137 | 11/12/81 | 77 | 0 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Cesium-137 | 12/01/81 | 77 | 0 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Cesium-137 | 1/11/82 | 77 | 0 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Cesium-137 | 1/29/82 | 77 | 0 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Cesium-137 | 3/08/82 | 77 | 0 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Cesium-137 | 3/30/82 | 77 | 0 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Cesium-137 | 4/26/82 | 77 | 5 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Cesium-137 | 5/21/82 | 77 | 16 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Cesium-137 | 6/22/82 | 77 | 0 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Cesium-137 | 7/26/82 | 77 | -5 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Cesium-137 | 8/18/82 | 77 | -4 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Cesium-137 | 9/15/82 | 77 | -2 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Cesium-137 | 10/11/82 | 77 | 5 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Cesium-137 | 12/10/82 | 77 | 4 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Cesium-137 | 1/04/83 | 77 | 9 | | | | pCi/L | | H0009WL3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cesium-137 | 1/26/83 | 77 | -2 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Cesium-137 | 3/12/83 | 77 | -1 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Cesium-137 | 3/29/83 | 77 | 2 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Cesium-137 | 4/21/83 | 77 | 8 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Cesium-137 | 5/25/83 | 77 | -5 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Cesium-137 | 6/22/83 | 77 | 8 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Cesium-137 | 7/15/83 | 77 | 35 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Cesium-137 | 8/23/83 | 77 | -1 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Cesium-137 | 9/27/83 | 77 | 2 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Cesium-137 | 10/17/83 | 77 | -2 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Cesium-137 | 11/19/83 | 77 | 4 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Cesium-137 | 12/30/83 | 77 | -2 | | | | pCi/L | | H0009WM5 | |
| 299-W18-15 | Cesium-137 | 1/26/84 | 77 | -8 | | | | pCi/L | | H0009WM6 | |
| 299-W18-15 | Cesium-137 | 3/05/84 | 77 | -9 | | | | pCi/L | | H0009WM7 | |
| 299-W18-15 | Cesium-137 | 3/26/84 | 77 | 3 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Cesium-137 | 5/01/84 | 77 | -12 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Cesium-137 | 5/10/84 | 77 | -8 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Cesium-137 | 6/13/84 | 77 | 4 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Cesium-137 | 7/09/84 | 77 | -2 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Cesium-137 | 8/09/84 | 77 | 0 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Cesium-137 | 9/10/84 | 77 | -3 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Cesium-137 | 10/04/84 | 77 | -4 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Cesium-137 | 11/05/84 | 77 | 2 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Cesium-137 | 12/06/84 | 77 | 3 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Cesium-137 | 1/08/85 | 77 | -3 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Cesium-137 | 2/07/85 | 77 | 2 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Cesium-137 | 3/15/85 | 77 | -2 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Cesium-137 | 4/03/85 | 77 | -6 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Cesium-137 | 5/08/85 | 77 | -0 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Cesium-137 | 6/04/85 | 77 | 1 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Cesium-137 | 7/11/85 | 77 | 4 | 3 | | | pCi/L | | H0009WP5 | |
| 299-W18-15 | Cesium-137 | 8/12/85 | 77 | -1 | 7 | | U | pCi/L | | H0009WP6 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cesium-137 | 9/07/85 | 77 | -2 | 5 | | U | pCi/L | | H0009WP7 | |
| 299-W18-15 | Cesium-137 | 10/08/85 | 77 | -0 | 4 | | U | pCi/L | | H0009WP8 | |
| 299-W18-15 | Cesium-137 | 11/07/85 | 77 | 0 | 4 | | U | pCi/L | | H0009WP9 | |
| 299-W18-15 | Cesium-137 | 12/14/85 | 77 | -7 | 7 | | U | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Cesium-137 | 1/03/86 | 77 | 2 | 5 | | U | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Cesium-137 | 2/10/86 | 77 | 1 | 5 | | U | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Cesium-137 | 3/10/86 | 77 | 4 | 3 | | | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Cesium-137 | 4/07/86 | 77 | 3 | 5 | | U | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Cesium-137 | 5/08/86 | 77 | 5 | 4 | | | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Cesium-137 | 6/05/86 | 77 | -1 | 7 | | U | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Cesium-137 | 7/14/86 | 77 | -9 | 10 | | U | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Cesium-137 | 8/06/86 | 77 | -0 | 4 | | U | pCi/L | | H0009WQ9 | |
| 299-W18-15 | Cesium-137 | 9/17/86 | 77 | 2 | 6 | | U | pCi/L | | H0009WR0 | |
| 299-W18-15 | Cesium-137 | 10/30/86 | 77 | 2 | 5 | | U | pCi/L | | H0009WR1 | |
| 299-W18-15 | Cesium-137 | 11/05/86 | 77 | -1 | 8 | | U | pCi/L | | H0009WR2 | |
| 299-W18-15 | Cesium-137 | 12/11/86 | 77 | 3 | 5 | | U | pCi/L | | H0009WR3 | |
| 299-W18-15 | Cesium-137 | 1/29/87 | 77 | -1 | 6 | | U | pCi/L | | H0009WR5 | |
| 299-W18-15 | Cesium-137 | 4/19/87 | 77 | -2 | 6 | | U | pCi/L | | H0009WR8 | |
| 299-W18-15 | Cesium-137 | 7/23/87 | 77 | 2 | 8 | | U | pCi/L | | H0009WS2 | |
| 299-W18-15 | Cesium-137 | 10/14/87 | 77 | 2 | 5 | | U | pCi/L | | H0009WS6 | |
| 299-W18-15 | Cesium-137 | 1/15/88 | 77 | -2 | 6 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Cesium-137 | 5/18/88 | 77 | 3 | 7 | | U | pCi/L | | H0009WT1 | |
| 299-W18-15 | Cesium-137 | 8/17/88 | 77 | 1 | 5 | | U | pCi/L | | H0009WT3 | |
| 299-W18-15 | Cesium-137 | 11/17/88 | 77 | 1 | 7 | | U | pCi/L | | H0009WT4 | |
| 299-W18-15 | Cesium-137 | 3/09/89 | 77 | -6 | 8 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Cesium-137 | 7/29/93 | 140 | -3 | 7 | | U | pCi/L | 20 | B08MP9 | ITAS Gamma Scan |
| 299-W18-15 | Chlordane | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Chloride | 7/23/87 | 46 | 3810 | | | | ppb | | H0009WS1 | EPA 300.0 |
| 299-W18-15 | Chloride | 10/14/87 | 46 | 3640 | | | | ppb | | H0009WS5 | EPA 300.0 |
| 299-W18-15 | Chloride | 1/08/88 | 46 | 3760 | | | | ppb | | H0009WS9 | EPA 300.0 |
| 299-W18-15 | Chloride | 8/17/88 | 46 | 3270 | | | | ppb | | H0009WT2 | EPA 300.0 |
| 299-W18-15 | Chloride | 12/01/88 | 46 | 3100 | | | | ppb | | H0009WT5 | EPA 300.0 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Chlornaphazine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Chloroalkyl ethers | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Chlorobenzene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Chlorobenzene | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Chlorobenzene | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Chlorobenzene | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Chlorobenzene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Chloroethane | 7/29/93 | 16 | 1 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Chloroform | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Chloroform | 10/14/87 | 16 | 2 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Chloroform | 1/08/88 | 16 | 1 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Chloroform | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Chloroform | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Chloroform | 7/29/93 | 16 | 10 | | | | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Chloromethyl methyl ether | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Chloromethyl methyl ether | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Chloromethyl methyl ether | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Chloromethyl methyl ether | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Chloroprene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Chromium | 1/08/88 | 35 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Chromium | 7/29/93 | 34 | 5 | | | U | ppb | 20 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 7/23/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 10/14/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 1/08/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 8/17/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 12/01/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Chromium, filtered | 7/29/93 | 34 | 8 | 2 | Y | L | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Chrysene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Cobalt | 7/29/93 | 34 | 4 | | | U | ppb | 20 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Cobalt, filtered | 7/29/93 | 34 | 4 | | Y | U | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Cobalt-60 | 4/28/81 | 77 | 2 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Cobalt-60 | 6/01/81 | 77 | 0 | | | | pCi/L | | H0009WJ3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cobalt-60 | 6/17/81 | 77 | 0 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Cobalt-60 | 8/19/81 | 77 | 3 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Cobalt-60 | 9/09/81 | 77 | 1 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Cobalt-60 | 9/15/81 | 77 | 0 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Cobalt-60 | 10/15/81 | 77 | 0 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Cobalt-60 | 11/12/81 | 77 | 2 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Cobalt-60 | 12/01/81 | 77 | 1 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Cobalt-60 | 1/11/82 | 77 | 1 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Cobalt-60 | 1/29/82 | 77 | 1 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Cobalt-60 | 3/08/82 | 77 | 0 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Cobalt-60 | 3/30/82 | 77 | 0 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Cobalt-60 | 4/26/82 | 77 | 1 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Cobalt-60 | 5/21/82 | 77 | 4 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Cobalt-60 | 6/22/82 | 77 | 3 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Cobalt-60 | 7/26/82 | 77 | 2 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Cobalt-60 | 8/18/82 | 77 | -1 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Cobalt-60 | 9/15/82 | 77 | 3 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Cobalt-60 | 10/11/82 | 77 | -7 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Cobalt-60 | 12/10/82 | 77 | -2 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Cobalt-60 | 1/04/83 | 77 | -1 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Cobalt-60 | 1/26/83 | 77 | 6 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Cobalt-60 | 3/12/83 | 77 | -6 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Cobalt-60 | 3/29/83 | 77 | 2 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Cobalt-60 | 4/21/83 | 77 | 5 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Cobalt-60 | 5/25/83 | 77 | 8 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Cobalt-60 | 6/22/83 | 77 | 9 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Cobalt-60 | 7/15/83 | 77 | 4 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Cobalt-60 | 8/23/83 | 77 | -6 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Cobalt-60 | 9/27/83 | 77 | -4 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Cobalt-60 | 10/17/83 | 77 | 9 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Cobalt-60 | 11/19/83 | 77 | 4 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Cobalt-60 | 12/30/83 | 77 | -0 | | | | pCi/L | | H0009WM5 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cobalt-60 | 1/26/84 | 77 | 2 | | | | pCi/L | | H0009WM6 | |
| 299-W18-15 | Cobalt-60 | 3/05/84 | 77 | 4 | | | | pCi/L | | H0009WM7 | |
| 299-W18-15 | Cobalt-60 | 3/26/84 | 77 | -3 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Cobalt-60 | 5/01/84 | 77 | -2 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Cobalt-60 | 5/10/84 | 77 | 5 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Cobalt-60 | 6/13/84 | 77 | 4 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Cobalt-60 | 7/09/84 | 77 | -7 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Cobalt-60 | 8/09/84 | 77 | -7 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Cobalt-60 | 9/10/84 | 77 | -3 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Cobalt-60 | 10/04/84 | 77 | 8 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Cobalt-60 | 11/05/84 | 77 | 7 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Cobalt-60 | 12/06/84 | 77 | -4 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Cobalt-60 | 1/08/85 | 77 | -3 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Cobalt-60 | 2/07/85 | 77 | -4 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Cobalt-60 | 3/15/85 | 77 | -4 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Cobalt-60 | 4/03/85 | 77 | -3 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Cobalt-60 | 5/08/85 | 77 | -2 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Cobalt-60 | 6/04/85 | 77 | 6 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Cobalt-60 | 7/11/85 | 77 | 2 | 3 | | U | pCi/L | | H0009WP5 | |
| 299-W18-15 | Cobalt-60 | 8/12/85 | 77 | -3 | 8 | | U | pCi/L | | H0009WP6 | |
| 299-W18-15 | Cobalt-60 | 9/07/85 | 77 | 5 | 5 | | U | pCi/L | | H0009WP7 | |
| 299-W18-15 | Cobalt-60 | 10/08/85 | 77 | -8 | 9 | | U | pCi/L | | H0009WP8 | |
| 299-W18-15 | Cobalt-60 | 11/07/85 | 77 | -2 | 7 | | U | pCi/L | | H0009WP9 | |
| 299-W18-15 | Cobalt-60 | 12/14/85 | 77 | 2 | 3 | | U | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Cobalt-60 | 1/03/86 | 77 | 1 | 2 | | U | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Cobalt-60 | 2/10/86 | 77 | -3 | 7 | | U | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Cobalt-60 | 3/10/86 | 77 | -2 | 7 | | U | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Cobalt-60 | 4/07/86 | 77 | 3 | 4 | | U | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Cobalt-60 | 5/08/86 | 77 | 5 | 5 | | U | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Cobalt-60 | 6/05/86 | 77 | 3 | 4 | | U | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Cobalt-60 | 7/14/86 | 77 | 4 | 5 | | U | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Cobalt-60 | 8/06/86 | 77 | 2 | 3 | | U | pCi/L | | H0009WQ9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cobalt-60 | 9/17/86 | 77 | 5 | 5 | | U | pCi/L | | H0009WR0 | |
| 299-W18-15 | Cobalt-60 | 10/30/86 | 77 | 2 | 9 | | U | pCi/L | | H0009WR1 | |
| 299-W18-15 | Cobalt-60 | 11/05/86 | 77 | 6 | 5 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Cobalt-60 | 12/11/86 | 77 | 3 | 4 | | U | pCi/L | | H0009WR3 | |
| 299-W18-15 | Cobalt-60 | 1/29/87 | 77 | -5 | 6 | | U | pCi/L | | H0009WR5 | |
| 299-W18-15 | Cobalt-60 | 4/19/87 | 77 | -2 | 7 | | U | pCi/L | | H0009WR8 | |
| 299-W18-15 | Cobalt-60 | 7/23/87 | 77 | -2 | 9 | | U | pCi/L | | H0009WS2 | |
| 299-W18-15 | Cobalt-60 | 10/14/87 | 77 | 3 | 4 | | U | pCi/L | | H0009WS6 | |
| 299-W18-15 | Cobalt-60 | 1/15/88 | 77 | 3 | 6 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Cobalt-60 | 5/18/88 | 77 | 7 | 6 | | | pCi/L | | H0009WT1 | |
| 299-W18-15 | Cobalt-60 | 8/17/88 | 77 | 7 | 7 | | U | pCi/L | | H0009WT3 | |
| 299-W18-15 | Cobalt-60 | 11/17/88 | 77 | -1 | 8 | | U | pCi/L | | H0009WT4 | |
| 299-W18-15 | Cobalt-60 | 3/09/89 | 77 | -2 | 7 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Cobalt-60 | 7/29/93 | 140 | 0 | 7 | | U | pCi/L | | B08MP9 | ITAS Gamma Scan |
| 299-W18-15 | Copper | 1/08/88 | 35 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Copper | 7/29/93 | 34 | 3 | | | U | ppb | 20 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 7/23/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 10/14/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 1/08/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 8/17/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 12/01/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Copper, filtered | 7/29/93 | 34 | 3 | 0 | Y | L | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Cresols (methylphenols) | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Crotonaldehyde | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Crotonaldehyde | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Crotonaldehyde | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Crotonaldehyde | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Cyanide | 7/23/87 | 56 | 10 | | | U | ppb | 20 | H0009WS1 | SW-846 9010 |
| 299-W18-15 | Cyanide | 10/14/87 | 56 | 10 | | | U | ppb | 20 | H0009WS5 | SW-846 9010 |
| 299-W18-15 | Cyanide | 1/08/88 | 56 | 10 | | | U | ppb | 20 | H0009WS9 | SW-846 9010 |
| 299-W18-15 | Cyanide | 8/17/88 | 56 | 10 | | | U | ppb | 20 | H0009WT2 | SW-846 9010 |
| 299-W18-15 | Cyanide | 12/01/88 | 56 | 10 | | | U | ppb | 20 | H0009WT5 | SW-846 9010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Cyanide | 7/29/93 | 358 | 1 | | | U | ppb | 20 | B08MP9 | SW-846 9012 |
| 299-W18-15 | Delta-BHC | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Di-n-butylphthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Di-n-octylphthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenz(a,j)acridine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenz[a,h]acridine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenz[a,h]anthracene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenzo(a,e)pyrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenzo[a,h]pyrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibenzo[a,i]pyrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dibromochloromethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Dibromomethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Dibromomethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Dibromomethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Dibromomethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Dibromomethane | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Dichlorodifluoromethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Dichlorodifluoromethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Dichlorodifluoromethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Dichlorodifluoromethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Dichlorodifluoromethane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Dieldrin | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Diethyl phthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Diethylarsine | 7/23/87 | 76 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Diethylarsine | 10/14/87 | 76 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Diethylarsine | 1/08/88 | 76 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Diethylarsine | 8/17/88 | 76 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | Dihydrosafrole | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Dimethyl phthalate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Diphenylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Disulfoton | 7/29/93 | 29 | 0 | | | U | ppb | 2 | B08MP9 | SW-846 8140 |
| 299-W18-15 | Endosulfan I | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Endosulfan II | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Endosulfan sulfate | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Endrin | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Endrin Aldehyde | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Ethyl cyanide | 7/29/93 | 16 | 4 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Ethyl cyanide | 7/29/93 | 16 | 4 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Ethyl methacrylate | 7/23/87 | 50 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Ethyl methacrylate | 10/14/87 | 50 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Ethyl methacrylate | 1/08/88 | 50 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Ethyl methacrylate | 8/17/88 | 50 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | Ethyl methacrylate | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Ethyl methanesulfonate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Ethylbenzene | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Ethylene oxide | 10/14/87 | 16 | 3000 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Ethylene oxide | 1/08/88 | 16 | 3000 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Ethylene oxide | 8/17/88 | 16 | 3000 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Ethyleneimine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Fluoranthene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Fluorine | 7/23/87 | 46 | 500 | | | U | ppb | | H0009WS1 | EPA 300.0 |
| 299-W18-15 | Fluorine | 7/23/87 | 47 | 230 | | | | ppb | | H0009WS1 | |
| 299-W18-15 | Fluorine | 10/14/87 | 46 | 500 | | | U | ppb | | H0009WS5 | EPA 300.0 |
| 299-W18-15 | Fluorine | 10/14/87 | 47 | 250 | | | | ppb | | H0009WS5 | |
| 299-W18-15 | Fluorine | 1/08/88 | 46 | 500 | | | U | ppb | | H0009WS9 | EPA 300.0 |
| 299-W18-15 | Fluorine | 8/17/88 | 46 | 500 | | | U | ppb | | H0009WT2 | EPA 300.0 |
| 299-W18-15 | Fluorine | 8/17/88 | 47 | 279 | | | | ppb | | H0009WT2 | |
| 299-W18-15 | Fluorine | 12/01/88 | 46 | 500 | | | U | ppb | | H0009WT5 | EPA 300.0 |
| 299-W18-15 | Formaldehyde | 7/23/87 | 16 | 500 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Formaldehyde | 10/14/87 | 16 | 500 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Formaldehyde | 1/08/88 | 16 | 500 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Formaldehyde | 8/17/88 | 16 | 500 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Gross alpha | 4/28/81 | 77 | 32 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Gross alpha | 6/01/81 | 77 | 33 | | | | pCi/L | | H0009WJ3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross alpha | 6/17/81 | 77 | 35 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Gross alpha | 8/19/81 | 77 | 32 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Gross alpha | 9/09/81 | 77 | 35 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Gross alpha | 9/15/81 | 77 | 29 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Gross alpha | 10/15/81 | 77 | 33 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Gross alpha | 11/12/81 | 77 | 23 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Gross alpha | 12/01/81 | 77 | 28 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Gross alpha | 1/11/82 | 77 | 33 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Gross alpha | 1/29/82 | 77 | 40 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Gross alpha | 3/08/82 | 77 | 38 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Gross alpha | 3/30/82 | 77 | 35 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Gross alpha | 4/26/82 | 77 | 52 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Gross alpha | 5/21/82 | 77 | 38 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Gross alpha | 6/22/82 | 77 | 48 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Gross alpha | 7/26/82 | 77 | 43 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Gross alpha | 8/18/82 | 77 | 49 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Gross alpha | 9/15/82 | 77 | 40 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Gross alpha | 10/11/82 | 77 | 43 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Gross alpha | 12/10/82 | 77 | 36 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Gross alpha | 1/04/83 | 77 | 47 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Gross alpha | 1/26/83 | 77 | 30 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Gross alpha | 3/12/83 | 77 | 1 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Gross alpha | 3/29/83 | 77 | 56 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Gross alpha | 4/21/83 | 77 | 43 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Gross alpha | 5/25/83 | 77 | 51 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Gross alpha | 6/22/83 | 77 | 40 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Gross alpha | 7/15/83 | 77 | 54 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Gross alpha | 8/23/83 | 77 | 56 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Gross alpha | 9/27/83 | 77 | 334 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Gross alpha | 10/17/83 | 77 | 54 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Gross alpha | 11/19/83 | 77 | 42 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Gross alpha | 12/30/83 | 77 | 86 | | | | pCi/L | | H0009WM5 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross alpha | 1/26/84 | 77 | 38 | | | | pCi/L | | H0009WM6 | |
| 299-W18-15 | Gross alpha | 3/05/84 | 77 | 67 | | | | pCi/L | | H0009WM7 | |
| 299-W18-15 | Gross alpha | 3/26/84 | 77 | 46 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Gross alpha | 5/01/84 | 77 | 70 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Gross alpha | 5/10/84 | 77 | 7 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Gross alpha | 6/13/84 | 77 | 54 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Gross alpha | 7/09/84 | 77 | 52 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Gross alpha | 8/09/84 | 77 | 46 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Gross alpha | 9/10/84 | 77 | 54 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Gross alpha | 10/04/84 | 77 | 89 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Gross alpha | 11/05/84 | 77 | 59 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Gross alpha | 12/06/84 | 77 | 65 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Gross alpha | 1/08/85 | 77 | 55 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Gross alpha | 2/07/85 | 77 | 42 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Gross alpha | 3/15/85 | 77 | 50 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Gross alpha | 4/03/85 | 77 | 42 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Gross alpha | 5/08/85 | 77 | 46 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Gross alpha | 6/04/85 | 77 | 41 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Gross alpha | 7/11/85 | 77 | 28 | 3 | | | pCi/L | | H0009WP5 | |
| 299-W18-15 | Gross alpha | 8/12/85 | 77 | 32 | 6 | | | pCi/L | | H0009WP6 | |
| 299-W18-15 | Gross alpha | 9/07/85 | 77 | 41 | 7 | | | pCi/L | | H0009WP7 | |
| 299-W18-15 | Gross alpha | 10/08/85 | 77 | 39 | 7 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Gross alpha | 11/07/85 | 77 | 43 | 7 | | | pCi/L | | H0009WP9 | |
| 299-W18-15 | Gross alpha | 12/14/85 | 77 | 38 | 6 | | | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Gross alpha | 1/03/86 | 77 | 53 | 9 | | | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Gross alpha | 2/10/86 | 77 | 53 | 9 | | | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Gross alpha | 3/10/86 | 77 | 52 | 9 | | | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Gross alpha | 4/07/86 | 77 | 53 | 9 | | | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Gross alpha | 5/08/86 | 77 | 51 | 9 | | | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Gross alpha | 6/05/86 | 77 | 57 | 10 | | | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Gross alpha | 7/14/86 | 77 | 46 | 9 | | | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Gross alpha | 8/06/86 | 77 | 46 | 9 | | | pCi/L | | H0009WQ9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross alpha | 9/17/86 | 77 | 48 | 9 | | | pCi/L | | H0009WR0 | |
| 299-W18-15 | Gross alpha | 10/30/86 | 77 | 49 | 9 | | | pCi/L | | H0009WR1 | |
| 299-W18-15 | Gross alpha | 11/05/86 | 77 | 46 | 9 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Gross alpha | 12/11/86 | 77 | 47 | 9 | | | pCi/L | | H0009WR3 | |
| 299-W18-15 | Gross alpha | 1/29/87 | 77 | 80 | 15 | | | pCi/L | | H0009WR5 | |
| 299-W18-15 | Gross alpha | 2/09/87 | 77 | 88 | 16 | | | pCi/L | | H0009WR6 | |
| 299-W18-15 | Gross alpha | 3/11/87 | 77 | 51 | 9 | | | pCi/L | | H0009WR7 | |
| 299-W18-15 | Gross alpha | 4/19/87 | 77 | 50 | 9 | | | pCi/L | | H0009WR8 | |
| 299-W18-15 | Gross alpha | 5/15/87 | 77 | 52 | 10 | | | pCi/L | | H0009WR9 | |
| 299-W18-15 | Gross alpha | 6/15/87 | 77 | 53 | 10 | | | pCi/L | | H0009WS0 | |
| 299-W18-15 | Gross alpha | 7/23/87 | 77 | 32 | 6 | | | pCi/L | | H0009WS1 | |
| 299-W18-15 | Gross alpha | 7/23/87 | 77 | 52 | 10 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Gross alpha | 8/18/87 | 77 | 41 | 8 | | | pCi/L | | H0009WS3 | |
| 299-W18-15 | Gross alpha | 9/16/87 | 77 | 51 | 9 | | | pCi/L | | H0009WS4 | |
| 299-W18-15 | Gross alpha | 10/14/87 | 77 | 37 | 6 | | | pCi/L | | H0009WS5 | |
| 299-W18-15 | Gross alpha | 10/14/87 | 77 | 51 | 9 | | | pCi/L | | H0009WS6 | |
| 299-W18-15 | Gross alpha | 11/19/87 | 77 | 47 | 9 | | | pCi/L | | H0009WS7 | |
| 299-W18-15 | Gross alpha | 12/08/87 | 77 | 53 | 10 | | | pCi/L | | H0009WS8 | |
| 299-W18-15 | Gross alpha | 1/15/88 | 77 | 48 | 9 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Gross alpha | 5/18/88 | 77 | 49 | 9 | | | pCi/L | | H0009WT1 | |
| 299-W18-15 | Gross alpha | 8/17/88 | 77 | 33 | 6 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Gross alpha | 11/17/88 | 77 | 42 | 8 | | | pCi/L | | H0009WT4 | |
| 299-W18-15 | Gross alpha | 3/09/89 | 77 | 31 | 8 | | | pCi/L | | H0009WT6 | |
| 299-W18-15 | Gross alpha | 7/29/93 | 135 | 25 | 7 | | | pCi/L | 4 | B08MP9 | SW-846 9310, Alpha |
| 299-W18-15 | Gross beta | 4/28/81 | 77 | 24 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Gross beta | 6/01/81 | 77 | 15 | | | | pCi/L | | H0009WJ3 | |
| 299-W18-15 | Gross beta | 6/17/81 | 77 | 5 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Gross beta | 8/19/81 | 77 | 14 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Gross beta | 9/09/81 | 77 | 7 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Gross beta | 9/15/81 | 77 | 44 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Gross beta | 10/15/81 | 77 | 46 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Gross beta | 11/12/81 | 77 | 20 | | | | pCi/L | | H0009WJ9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross beta | 12/01/81 | 77 | 14 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Gross beta | 1/11/82 | 77 | 20 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Gross beta | 1/29/82 | 77 | 23 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Gross beta | 3/08/82 | 77 | 16 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Gross beta | 3/30/82 | 77 | 14 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Gross beta | 4/26/82 | 77 | 12 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Gross beta | 5/21/82 | 77 | 30 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Gross beta | 6/22/82 | 77 | 12 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Gross beta | 7/26/82 | 77 | 26 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Gross beta | 8/18/82 | 77 | 10 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Gross beta | 9/15/82 | 77 | 44 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Gross beta | 10/11/82 | 77 | 25 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Gross beta | 12/10/82 | 77 | 22 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Gross beta | 1/04/83 | 77 | 29 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Gross beta | 1/26/83 | 77 | 63 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Gross beta | 3/12/83 | 77 | 17 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Gross beta | 3/29/83 | 77 | 22 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Gross beta | 4/21/83 | 77 | 11 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Gross beta | 5/25/83 | 77 | 20 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Gross beta | 6/22/83 | 77 | 61 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Gross beta | 7/15/83 | 77 | 17 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Gross beta | 8/23/83 | 77 | 39 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Gross beta | 9/27/83 | 77 | 24 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Gross beta | 10/17/83 | 77 | 69 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Gross beta | 11/19/83 | 77 | 42 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Gross beta | 12/30/83 | 77 | 68 | | | | pCi/L | | H0009WM5 | |
| 299-W18-15 | Gross beta | 1/26/84 | 77 | 65 | | | | pCi/L | | H0009WM6 | |
| 299-W18-15 | Gross beta | 3/05/84 | 77 | 68 | | | | pCi/L | | H0009WM7 | |
| 299-W18-15 | Gross beta | 3/26/84 | 77 | 30 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Gross beta | 5/01/84 | 77 | 7 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Gross beta | 5/10/84 | 77 | 5 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Gross beta | 6/13/84 | 77 | 31 | | | | pCi/L | | H0009WN1 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross beta | 7/09/84 | 77 | 27 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Gross beta | 8/09/84 | 77 | 55 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Gross beta | 9/10/84 | 77 | 64 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Gross beta | 10/04/84 | 77 | 14 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Gross beta | 11/05/84 | 77 | 13 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Gross beta | 12/06/84 | 77 | 19 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Gross beta | 1/08/85 | 77 | 16 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Gross beta | 2/07/85 | 77 | 16 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Gross beta | 3/15/85 | 77 | 20 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Gross beta | 4/03/85 | 77 | 13 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Gross beta | 5/08/85 | 77 | 15 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Gross beta | 6/04/85 | 77 | 14 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Gross beta | 7/11/85 | 77 | 14 | 3 | | | pCi/L | | H0009WP5 | |
| 299-W18-15 | Gross beta | 8/12/85 | 77 | 14 | 3 | | | pCi/L | | H0009WP6 | |
| 299-W18-15 | Gross beta | 9/07/85 | 77 | 16 | 3 | | | pCi/L | | H0009WP7 | |
| 299-W18-15 | Gross beta | 10/08/85 | 77 | 15 | 3 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Gross beta | 11/07/85 | 77 | 20 | 3 | | | pCi/L | | H0009WP9 | |
| 299-W18-15 | Gross beta | 12/14/85 | 77 | 13 | 3 | | | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Gross beta | 1/03/86 | 77 | 10 | 2 | | | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Gross beta | 2/10/86 | 77 | 11 | 2 | | | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Gross beta | 3/10/86 | 77 | 14 | 3 | | | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Gross beta | 4/07/86 | 77 | 16 | 3 | | | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Gross beta | 5/08/86 | 77 | 13 | 3 | | | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Gross beta | 6/05/86 | 77 | 12 | 3 | | | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Gross beta | 7/14/86 | 77 | 22 | 4 | | | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Gross beta | 8/06/86 | 77 | 10 | 2 | | | pCi/L | | H0009WQ9 | |
| 299-W18-15 | Gross beta | 9/17/86 | 77 | 18 | 3 | | | pCi/L | | H0009WR0 | |
| 299-W18-15 | Gross beta | 10/30/86 | 77 | 12 | 3 | | | pCi/L | | H0009WR1 | |
| 299-W18-15 | Gross beta | 11/05/86 | 77 | 21 | 4 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Gross beta | 12/11/86 | 77 | 14 | 3 | | | pCi/L | | H0009WR3 | |
| 299-W18-15 | Gross beta | 1/29/87 | 77 | 29 | 5 | | | pCi/L | | H0009WR5 | |
| 299-W18-15 | Gross beta | 2/09/87 | 77 | 20 | 4 | | | pCi/L | | H0009WR6 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Gross beta | 3/11/87 | 77 | 10 | 2 | | | pCi/L | | H0009WR7 | |
| 299-W18-15 | Gross beta | 4/19/87 | 77 | 16 | 3 | | | pCi/L | | H0009WR8 | |
| 299-W18-15 | Gross beta | 5/15/87 | 77 | 12 | 3 | | | pCi/L | | H0009WR9 | |
| 299-W18-15 | Gross beta | 6/15/87 | 77 | 20 | 4 | | | pCi/L | | H0009WS0 | |
| 299-W18-15 | Gross beta | 7/23/87 | 77 | 12 | 4 | | | pCi/L | | H0009WS1 | |
| 299-W18-15 | Gross beta | 7/23/87 | 77 | 18 | 3 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Gross beta | 8/18/87 | 77 | 15 | 3 | | | pCi/L | | H0009WS3 | |
| 299-W18-15 | Gross beta | 9/16/87 | 77 | 21 | 4 | | | pCi/L | | H0009WS4 | |
| 299-W18-15 | Gross beta | 10/14/87 | 77 | 8 | 4 | | | pCi/L | | H0009WS5 | |
| 299-W18-15 | Gross beta | 10/14/87 | 77 | 19 | 3 | | | pCi/L | | H0009WS6 | |
| 299-W18-15 | Gross beta | 11/19/87 | 77 | 14 | 3 | | | pCi/L | | H0009WS7 | |
| 299-W18-15 | Gross beta | 12/08/87 | 77 | 15 | 3 | | | pCi/L | | H0009WS8 | |
| 299-W18-15 | Gross beta | 1/15/88 | 77 | 17 | 3 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Gross beta | 5/18/88 | 77 | 11 | 3 | | | pCi/L | | H0009WT1 | |
| 299-W18-15 | Gross beta | 8/17/88 | 77 | 16 | 3 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Gross beta | 11/17/88 | 77 | 9 | 2 | | | pCi/L | | H0009WT4 | |
| 299-W18-15 | Gross beta | 3/09/89 | 77 | 7 | 3 | | | pCi/L | | H0009WT6 | |
| 299-W18-15 | Gross beta | 7/29/93 | 136 | 7 | 3 | | | pCi/L | 8 | B08MP9 | SW-846 9310, Beta |
| 299-W18-15 | Heptachlor | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Heptachlor epoxide | 7/29/93 | 17 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Hexachlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Hexachlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Hexachlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hexachlorobutadiene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hexachlorocyclopentadiene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hexachloroethane | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hexachlorophene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Hexachlorophene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Hexachlorophene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hexachloropropene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hydrogen sulfide | 7/23/87 | 76 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Hydrogen sulfide | 10/14/87 | 76 | 10 | | | U | ppb | | H0009WS5 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Hydrogen sulfide | 1/08/88 | 76 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Hydrogen sulfide | 8/17/88 | 76 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | Indeno(1,2,3-cd)pyrene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Iron | 1/08/88 | 35 | 91 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Iron | 7/29/93 | 34 | 49 | 22 | | | ppb | 20 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 7/23/87 | 34 | 50 | | Y | U | ppb | 20 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 10/14/87 | 34 | 30 | | Y | U | ppb | 20 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 1/08/88 | 34 | 30 | | Y | U | ppb | 20 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 8/17/88 | 34 | 30 | | Y | U | ppb | 20 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 12/01/88 | 34 | 30 | | Y | U | ppb | 20 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Iron, filtered | 7/29/93 | 34 | 29 | 13 | Y | | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Isobutyl alcohol | 7/29/93 | 16 | 27 | | | U | ppb | 200 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Isosafrole | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Kerosene | 7/23/87 | 21 | 10000 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Kerosene | 10/14/87 | 21 | 10000 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Kerosene | 1/08/88 | 21 | 10000 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Lead | 1/08/88 | 76 | 5 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Lead | 7/29/93 | 40 | 1 | 0 | | L | ppb | 5 | B08MP9 | SW-846 7421 |
| 299-W18-15 | Lead, filtered | 7/23/87 | 40 | 5 | | Y | | ppb | 5 | H0009WS1 | SW-846 7421 |
| 299-W18-15 | Lead, filtered | 10/14/87 | 40 | 5 | | Y | U | ppb | 5 | H0009WS5 | SW-846 7421 |
| 299-W18-15 | Lead, filtered | 1/08/88 | 40 | 5 | | Y | U | ppb | 5 | H0009WS9 | SW-846 7421 |
| 299-W18-15 | Lead, filtered | 12/01/88 | 40 | 5 | | Y | U | ppb | 5 | H0009WT5 | SW-846 7421 |
| 299-W18-15 | Lead, filtered | 7/29/93 | 40 | 1 | 0 | Y | L | ppb | 5 | B08MQ0 | SW-846 7421 |
| 299-W18-15 | Magnesium | 1/08/88 | 35 | 8630 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Magnesium | 7/29/93 | 34 | 7400 | 3880 | | | ppb | 100 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 7/23/87 | 34 | 8180 | | Y | | ppb | 100 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 10/14/87 | 34 | 8390 | | Y | | ppb | 100 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 1/08/88 | 34 | 8070 | | Y | | ppb | 100 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 8/17/88 | 34 | 8850 | | Y | | ppb | 100 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 12/01/88 | 34 | 8790 | | Y | | ppb | 100 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Magnesium, filtered | 7/29/93 | 34 | 7300 | 3830 | Y | | ppb | 100 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Maleic hydrazide | 1/08/88 | 21 | 500 | | | U | ppb | | H0009WS9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Malononitrile | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Manganese | 1/08/88 | 35 | 5 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Manganese | 7/29/93 | 34 | 9 | 3 | | L | ppb | 10 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 7/23/87 | 34 | 5 | | Y | | ppb | 10 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 10/14/87 | 34 | 5 | | Y | U | ppb | 10 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 1/08/88 | 34 | 5 | | Y | U | ppb | 10 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 8/17/88 | 34 | 5 | | Y | U | ppb | 10 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 12/01/88 | 34 | 5 | | Y | U | ppb | 10 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Manganese, filtered | 7/29/93 | 34 | 10 | 3 | Y | L | ppb | 10 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Melphalan | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Mercury, filtered | 7/23/87 | 41 | 0 | | Y | U | ppb | 0 | H0009WS1 | SW-846 7470 |
| 299-W18-15 | Mercury, filtered | 10/14/87 | 41 | 0 | | Y | U | ppb | 0 | H0009WS5 | SW-846 7470 |
| 299-W18-15 | Mercury, filtered | 1/08/88 | 41 | 0 | | Y | U | ppb | 0 | H0009WS9 | SW-846 7470 |
| 299-W18-15 | Methacrylonitrile | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methacrylonitrile | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methacrylonitrile | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methacrylonitrile | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methacrylonitrile | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methanethiol | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methanethiol | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methanethiol | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methanethiol | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methapyrilene | 1/08/88 | 19 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8270 |
| 299-W18-15 | Metholonyl | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Methoxychlor | 7/29/93 | 17 | 0 | | | U | ppb | 2 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Methyl Iodide | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methyl Iodide | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methyl Iodide | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methyl Iodide | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methyl Iodide | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methyl bromide | 7/23/87 | 16 | 10 | | | U | ppb | 10 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methyl bromide | 10/14/87 | 16 | 10 | | | U | ppb | 10 | H0009WS5 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Methyl bromide | 1/08/88 | 16 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methyl bromide | 8/17/88 | 16 | 10 | | | U | ppb | 10 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methyl bromide | 7/29/93 | 16 | 1 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methyl chloride | 7/23/87 | 16 | 10 | | | U | ppb | 10 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methyl chloride | 10/14/87 | 16 | 10 | | | U | ppb | 10 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methyl chloride | 1/08/88 | 16 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methyl chloride | 8/17/88 | 16 | 10 | | | U | ppb | 10 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methyl chloride | 7/29/93 | 16 | 1 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 7/23/87 | 16 | 10 | | | U | ppb | 100 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 10/14/87 | 16 | 10 | | | U | ppb | 100 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 1/08/88 | 16 | 10 | | | U | ppb | 100 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 8/17/88 | 16 | 10 | | | U | ppb | 100 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 12/01/88 | 16 | 10 | | | U | ppb | 100 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Methyl ethyl ketone | 7/29/93 | 16 | 4 | | | U | ppb | 100 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methyl methacrylate | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Methyl methacrylate | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Methyl methacrylate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Methyl methacrylate | 8/17/88 | 21 | 10 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | Methyl methacrylate | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methyl methanesulfonate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Methyl parathion | 7/29/93 | 29 | 0 | | | U | ppb | 1 | B08MP9 | SW-846 8140 |
| 299-W18-15 | Methylene chloride | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Methylene chloride | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Methylene chloride | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Methylene chloride | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Methylene chloride | 12/01/88 | 16 | 10 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Methylene chloride | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Methylthiouracil | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N,N-Diethylhydrazine | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | N,N-Diethylhydrazine | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | N,N-Diethylhydrazine | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | N,N-Diethylhydrazine | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | N-Nitroso-N-methylurethane | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitroso-di-n-dipropylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosodi-n-butylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosodiethanolamine | 1/08/88 | 79 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosodiethylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosodimethylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosomethylethylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosomethylvinylamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosomorpholine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosonornicotine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | N-Nitrosopiperidine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Naphthalene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Naphthalene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Naphthalene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Nickel | 1/08/88 | 35 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Nickel | 7/29/93 | 34 | 18 | | | U | ppb | 30 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 7/23/87 | 34 | 10 | | Y | U | ppb | 30 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 10/14/87 | 34 | 10 | | Y | U | ppb | 30 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 1/08/88 | 34 | 10 | | Y | U | ppb | 30 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 8/17/88 | 34 | 10 | | Y | U | ppb | 30 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 12/01/88 | 34 | 10 | | Y | U | ppb | 30 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Nickel, filtered | 7/29/93 | 34 | 18 | | Y | U | ppb | 30 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Nicotinic acid | 1/08/88 | 21 | 100 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Nitrate | 1/26/83 | 76 | 1 | | | | ppm | | H0009WL4 | |
| 299-W18-15 | Nitrate | 3/12/83 | 76 | 2 | | | | ppm | | H0009WL5 | |
| 299-W18-15 | Nitrate | 3/29/83 | 76 | 5 | | | | ppm | | H0009WL6 | |
| 299-W18-15 | Nitrate | 4/21/83 | 76 | 1 | | | | ppm | | H0009WL7 | |
| 299-W18-15 | Nitrate | 5/25/83 | 76 | 0 | | | | ppm | | H0009WL8 | |
| 299-W18-15 | Nitrate | 6/22/83 | 76 | 0 | | | | ppm | | H0009WL9 | |
| 299-W18-15 | Nitrate | 7/15/83 | 76 | 1 | | | | ppm | | H0009WM0 | |
| 299-W18-15 | Nitrate | 8/23/83 | 76 | 1 | | | | ppm | | H0009WM1 | |
| 299-W18-15 | Nitrate | 9/27/83 | 76 | 1 | | | | ppm | | H0009WM2 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Nitrate | 10/17/83 | 76 | 0 | | | | ppm | | H0009WM3 | |
| 299-W18-15 | Nitrate | 11/19/83 | 76 | 0 | | | | ppm | | H0009WM4 | |
| 299-W18-15 | Nitrate | 12/30/83 | 76 | 1 | | | | ppm | | H0009WM5 | |
| 299-W18-15 | Nitrate | 1/26/84 | 76 | 0 | | | | ppm | | H0009WM6 | |
| 299-W18-15 | Nitrate | 3/05/84 | 76 | 0 | | | | ppm | | H0009WM7 | |
| 299-W18-15 | Nitrate | 3/26/84 | 76 | 0 | | | | ppm | | H0009WM8 | |
| 299-W18-15 | Nitrate | 5/01/84 | 76 | 0 | | | | ppm | | H0009WM9 | |
| 299-W18-15 | Nitrate | 5/10/84 | 76 | 0 | | | | ppm | | H0009WN0 | |
| 299-W18-15 | Nitrate | 6/13/84 | 76 | 1 | | | | ppm | | H0009WN1 | |
| 299-W18-15 | Nitrate | 7/09/84 | 76 | 1 | | | | ppm | | H0009WN2 | |
| 299-W18-15 | Nitrate | 8/09/84 | 76 | 0 | | | | ppm | | H0009WN3 | |
| 299-W18-15 | Nitrate | 9/10/84 | 76 | 0 | | | | ppm | | H0009WN4 | |
| 299-W18-15 | Nitrate | 10/04/84 | 76 | 2 | | | | ppm | | H0009WN5 | |
| 299-W18-15 | Nitrate | 11/05/84 | 76 | 2 | | | | ppm | | H0009WN6 | |
| 299-W18-15 | Nitrate | 12/06/84 | 76 | 1 | | | | ppm | | H0009WN7 | |
| 299-W18-15 | Nitrate | 1/08/85 | 76 | 1 | | | | ppm | | H0009WN8 | |
| 299-W18-15 | Nitrate | 2/07/85 | 76 | 28 | | | | ppm | | H0009WN9 | |
| 299-W18-15 | Nitrate | 3/15/85 | 76 | 1 | | | | ppm | | H0009WP0 | |
| 299-W18-15 | Nitrate | 4/03/85 | 76 | 0 | | | | ppm | | H0009WP1 | |
| 299-W18-15 | Nitrate | 5/08/85 | 76 | 1 | | | | ppm | | H0009WP2 | |
| 299-W18-15 | Nitrate | 6/04/85 | 76 | 1 | 0 | | | ppm | | H0009WP3 | |
| 299-W18-15 | Nitrate | 7/11/85 | 76 | 1 | 0 | | | ppm | | H0009WP5 | |
| 299-W18-15 | Nitrate | 8/12/85 | 76 | 1 | 0 | | | ppm | | H0009WP6 | |
| 299-W18-15 | Nitrate | 9/07/85 | 76 | 2 | 0 | | | ppm | | H0009WP7 | |
| 299-W18-15 | Nitrate | 10/08/85 | 76 | 1 | 0 | | | ppm | | H0009WP8 | |
| 299-W18-15 | Nitrate | 11/07/85 | 76 | 2 | 0 | | | ppm | | H0009WP9 | |
| 299-W18-15 | Nitrate | 12/14/85 | 76 | 2 | 0 | | | ppm | | H0009WQ0 | |
| 299-W18-15 | Nitrate | 1/03/86 | 76 | 2 | 2 | | | ppm | | H0009WQ1 | |
| 299-W18-15 | Nitrate | 2/10/86 | 76 | 2 | 0 | | | ppm | | H0009WQ2 | |
| 299-W18-15 | Nitrate | 3/10/86 | 76 | 1 | 0 | | | ppm | | H0009WQ3 | |
| 299-W18-15 | Nitrate | 4/07/86 | 76 | 1 | 0 | | | ppm | | H0009WQ4 | |
| 299-W18-15 | Nitrate | 5/08/86 | 76 | 1 | 0 | | | ppm | | H0009WQ5 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Nitrate | 6/05/86 | 76 | 1 | 0 | | | ppm | | H0009WQ6 | |
| 299-W18-15 | Nitrate | 7/02/86 | 76 | 1 | 0 | | | ppm | | H0009WQ7 | |
| 299-W18-15 | Nitrate | 8/06/86 | 76 | 1 | 0 | | | ppm | | H0009WQ9 | |
| 299-W18-15 | Nitrate | 9/17/86 | 76 | 2 | 0 | | | ppm | | H0009WR0 | |
| 299-W18-15 | Nitrate | 10/30/86 | 46 | 1010 | | | | ppb | | H0009WR1 | EPA 300.0 |
| 299-W18-15 | Nitrate | 11/05/86 | 46 | 5410 | | | | ppb | | H0009WR2 | EPA 300.0 |
| 299-W18-15 | Nitrate | 12/11/86 | 46 | 1090 | | | | ppb | | H0009WR3 | EPA 300.0 |
| 299-W18-15 | Nitrate | 1/05/87 | 46 | 1130 | | | | ppb | | H0009WR4 | EPA 300.0 |
| 299-W18-15 | Nitrate | 2/09/87 | 46 | 639 | | | | ppb | | H0009WR6 | EPA 300.0 |
| 299-W18-15 | Nitrate | 3/11/87 | 46 | 1160 | | | | ppb | | H0009WR7 | EPA 300.0 |
| 299-W18-15 | Nitrate | 4/19/87 | 46 | 967 | | | | ppb | | H0009WR8 | EPA 300.0 |
| 299-W18-15 | Nitrate | 5/15/87 | 46 | 541 | | | | ppb | | H0009WR9 | EPA 300.0 |
| 299-W18-15 | Nitrate | 6/15/87 | 46 | 2780 | | | | ppb | | H0009WS0 | EPA 300.0 |
| 299-W18-15 | Nitrate | 7/23/87 | 46 | 1280 | | | | ppb | | H0009WS1 | EPA 300.0 |
| 299-W18-15 | Nitrate | 7/23/87 | 46 | 2740 | | | | ppb | | H0009WS2 | EPA 300.0 |
| 299-W18-15 | Nitrate | 8/18/87 | 46 | 2500 | | | U | ppb | | H0009WS3 | EPA 300.0 |
| 299-W18-15 | Nitrate | 9/16/87 | 46 | 2500 | | | U | ppb | | H0009WS4 | EPA 300.0 |
| 299-W18-15 | Nitrate | 10/14/87 | 46 | 1050 | | | | ppb | | H0009WS5 | EPA 300.0 |
| 299-W18-15 | Nitrate | 10/14/87 | 46 | 2500 | | | U | ppb | | H0009WS6 | EPA 300.0 |
| 299-W18-15 | Nitrate | 11/19/87 | 46 | 2500 | | | U | ppb | | H0009WS7 | EPA 300.0 |
| 299-W18-15 | Nitrate | 12/08/87 | 46 | 2500 | | | U | ppb | | H0009WS8 | EPA 300.0 |
| 299-W18-15 | Nitrate | 1/08/88 | 46 | 1420 | | | | ppb | | H0009WS9 | EPA 300.0 |
| 299-W18-15 | Nitrate | 1/15/88 | 46 | 2500 | | | U | ppb | | H0009WT0 | EPA 300.0 |
| 299-W18-15 | Nitrate | 5/18/88 | 46 | 2500 | | | U | ppb | | H0009WT1 | EPA 300.0 |
| 299-W18-15 | Nitrate | 8/17/88 | 46 | 1570 | | | | ppb | | H0009WT2 | EPA 300.0 |
| 299-W18-15 | Nitrate | 8/17/88 | 46 | 2500 | | | U | ppb | | H0009WT3 | EPA 300.0 |
| 299-W18-15 | Nitrate | 11/17/88 | 46 | 2500 | | | U | ppb | | H0009WT4 | EPA 300.0 |
| 299-W18-15 | Nitrate | 12/01/88 | 46 | 1200 | | | | ppb | | H0009WT5 | EPA 300.0 |
| 299-W18-15 | Nitrate | 3/09/89 | 46 | 2500 | 261 | | U | ppb | | H0009WT6 | EPA 300.0 |
| 299-W18-15 | Nitrobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Nitrosopyrrolidine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | O,O,O-Triethyl phosphorothioate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Osmium, filtered | 7/23/87 | 76 | 300 | | Y | U | ?? | | H0009WS1 | |
| 299-W18-15 | Pentachlorobenzene | 7/23/87 | 21 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Pentachlorobenzene | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Pentachlorobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Pentachloroethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Pentachloroethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Pentachloroethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Pentachloroethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Pentachloroethane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Pentachloronitrobenzene (PCNB) | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Pentachlorophenol | 1/08/88 | 21 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Phenacetin | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Phenol | 7/23/87 | 32 | 10 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Phenol | 10/14/87 | 32 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Phenol | 1/08/88 | 32 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Phenylenediamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Phorate | 7/29/93 | 29 | 0 | | | U | ppb | 2 | B08MP9 | SW-846 8140 |
| 299-W18-15 | Phosphate | 7/23/87 | 46 | 1000 | | | U | ppb | | H0009WS1 | EPA 300.0 |
| 299-W18-15 | Phosphate | 10/14/87 | 46 | 1000 | | | U | ppb | | H0009WS5 | EPA 300.0 |
| 299-W18-15 | Phosphate | 1/08/88 | 46 | 1000 | | | U | ppb | | H0009WS9 | EPA 300.0 |
| 299-W18-15 | Phosphate | 8/17/88 | 46 | 1000 | | | U | ppb | | H0009WT2 | EPA 300.0 |
| 299-W18-15 | Phosphate | 12/01/88 | 46 | 1000 | | | U | ppb | | H0009WT5 | EPA 300.0 |
| 299-W18-15 | Phthalic acid esters | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Plutonium-238 | 6/13/84 | 77 | -0 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Plutonium-238 | 7/09/84 | 77 | 0 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Plutonium-238 | 1/15/88 | 77 | 0 | 0 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Plutonium-238 | 8/17/88 | 77 | -0 | 0 | | U | pCi/L | | H0009WT3 | |
| 299-W18-15 | Plutonium-238 | 3/09/89 | 77 | -0 | 0 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Plutonium-238 | 1/17/92 | 146 | -0 | 0 | | U | pCi/L | 0 | B00MC7 | ITAS Isotopic Pu |
| 299-W18-15 | Plutonium-238 | 7/29/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MP9 | ITAS Isotopic Pu |
| 299-W18-15 | Plutonium-239/40 | 6/13/84 | 77 | -0 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Plutonium-239/40 | 7/09/84 | 77 | 0 | | | | pCi/L | | H0009WN2 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Plutonium-239/40 | 1/15/88 | 77 | -0 | 0 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Plutonium-239/40 | 8/17/88 | 77 | -0 | 0 | | U | pCi/L | | H0009WT3 | |
| 299-W18-15 | Plutonium-239/40 | 3/09/89 | 77 | -0 | 0 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Plutonium-239/40 | 1/17/92 | 146 | 0 | 0 | | U | pCi/L | 0 | B00MC7 | ITAS Isotopic Pu |
| 299-W18-15 | Plutonium-239/40 | 7/29/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MP9 | ITAS Isotopic Pu |
| 299-W18-15 | Potassium | 1/08/88 | 35 | 3550 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Potassium | 7/29/93 | 34 | 3600 | 3450 | | | ppb | 300 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Potassium | 7/29/93 | 34 | 3600 | 3450 | | | ppb | 1000 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 7/23/87 | 34 | 2920 | | Y | | ppb | 300 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 7/23/87 | 34 | 2920 | | Y | | ppb | 1000 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 10/14/87 | 34 | 3360 | | Y | | ppb | 300 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 10/14/87 | 34 | 3360 | | Y | | ppb | 1000 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 1/08/88 | 34 | 3400 | | Y | | ppb | 300 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 1/08/88 | 34 | 3400 | | Y | | ppb | 1000 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 8/17/88 | 34 | 3800 | | Y | | ppb | 300 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 8/17/88 | 34 | 3800 | | Y | | ppb | 1000 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 12/01/88 | 34 | 3550 | | Y | | ppb | 300 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 12/01/88 | 34 | 3550 | | Y | | ppb | 1000 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 7/29/93 | 34 | 4000 | 3830 | Y | | ppb | 300 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Potassium, filtered | 7/29/93 | 34 | 4000 | 3830 | Y | | ppb | 1000 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Pronamide | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Pyridine | 7/23/87 | 16 | 500 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Pyridine | 10/14/87 | 16 | 500 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Pyridine | 1/08/88 | 16 | 500 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Pyridine | 8/17/88 | 16 | 500 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Radium | 1/08/88 | 77 | -0 | 0 | | U | pCi/L | | H0009WS9 | |
| 299-W18-15 | Reserpine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Resorcinol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Ruthenium-106 | 4/28/81 | 77 | 5 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Ruthenium-106 | 6/01/81 | 77 | 20 | | | | pCi/L | | H0009WJ3 | |
| 299-W18-15 | Ruthenium-106 | 6/17/81 | 77 | 3 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Ruthenium-106 | 8/19/81 | 77 | 45 | | | | pCi/L | | H0009WJ5 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Ruthenium-106 | 9/09/81 | 77 | 14 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Ruthenium-106 | 9/15/81 | 77 | 18 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Ruthenium-106 | 10/15/81 | 77 | 3 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Ruthenium-106 | 11/12/81 | 77 | 11 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Ruthenium-106 | 12/01/81 | 77 | 4 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Ruthenium-106 | 1/11/82 | 77 | 1 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Ruthenium-106 | 1/29/82 | 77 | 7 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Ruthenium-106 | 3/08/82 | 77 | 10 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Ruthenium-106 | 3/30/82 | 77 | 36 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Ruthenium-106 | 4/26/82 | 77 | 35 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Ruthenium-106 | 5/21/82 | 77 | 13 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Ruthenium-106 | 6/22/82 | 77 | 34 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Ruthenium-106 | 7/26/82 | 77 | 4 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Ruthenium-106 | 8/18/82 | 77 | -14 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Ruthenium-106 | 9/15/82 | 77 | -21 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Ruthenium-106 | 10/11/82 | 77 | 64 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Ruthenium-106 | 12/10/82 | 77 | 17 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Ruthenium-106 | 1/04/83 | 77 | -33 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Ruthenium-106 | 1/26/83 | 77 | -18 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Ruthenium-106 | 3/12/83 | 77 | 10 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Ruthenium-106 | 3/29/83 | 77 | -70 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Ruthenium-106 | 4/21/83 | 77 | 74 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Ruthenium-106 | 5/25/83 | 77 | 2 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Ruthenium-106 | 6/22/83 | 77 | -67 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Ruthenium-106 | 7/15/83 | 77 | 0 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Ruthenium-106 | 8/23/83 | 77 | 45 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Ruthenium-106 | 9/27/83 | 77 | 33 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Ruthenium-106 | 10/17/83 | 77 | -10 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Ruthenium-106 | 11/19/83 | 77 | 18 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Ruthenium-106 | 12/30/83 | 77 | -7 | | | | pCi/L | | H0009WM5 | |
| 299-W18-15 | Ruthenium-106 | 1/26/84 | 77 | -29 | | | | pCi/L | | H0009WM6 | |
| 299-W18-15 | Ruthenium-106 | 3/05/84 | 77 | 32 | | | | pCi/L | | H0009WM7 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Ruthenium-106 | 3/26/84 | 77 | -13 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Ruthenium-106 | 5/01/84 | 77 | 3 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Ruthenium-106 | 5/10/84 | 77 | 3 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Ruthenium-106 | 6/13/84 | 77 | -51 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Ruthenium-106 | 7/09/84 | 77 | -56 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Ruthenium-106 | 8/09/84 | 77 | -69 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Ruthenium-106 | 9/10/84 | 77 | -44 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Ruthenium-106 | 10/04/84 | 77 | 46 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Ruthenium-106 | 11/05/84 | 77 | -27 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Ruthenium-106 | 12/06/84 | 77 | -17 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Ruthenium-106 | 1/08/85 | 77 | 11 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Ruthenium-106 | 2/07/85 | 77 | 33 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Ruthenium-106 | 3/15/85 | 77 | -178 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Ruthenium-106 | 4/03/85 | 77 | -176 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Ruthenium-106 | 5/08/85 | 77 | -9 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Ruthenium-106 | 6/04/85 | 77 | 68 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Ruthenium-106 | 7/11/85 | 77 | 33 | 27 | | | pCi/L | | H0009WP5 | |
| 299-W18-15 | Ruthenium-106 | 8/12/85 | 77 | 28 | 48 | | U | pCi/L | | H0009WP6 | |
| 299-W18-15 | Ruthenium-106 | 9/07/85 | 77 | -3 | 34 | | U | pCi/L | | H0009WP7 | |
| 299-W18-15 | Ruthenium-106 | 10/08/85 | 77 | 32 | 26 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Ruthenium-106 | 11/07/85 | 77 | 6 | 51 | | U | pCi/L | | H0009WP9 | |
| 299-W18-15 | Ruthenium-106 | 12/14/85 | 77 | -45 | 60 | | U | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Ruthenium-106 | 1/03/86 | 77 | 53 | 35 | | | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Ruthenium-106 | 2/10/86 | 77 | -35 | 55 | | U | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Ruthenium-106 | 3/10/86 | 77 | -11 | 48 | | U | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Ruthenium-106 | 4/07/86 | 77 | -32 | 66 | | U | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Ruthenium-106 | 5/08/86 | 77 | 11 | 49 | | U | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Ruthenium-106 | 6/05/86 | 77 | 6 | 51 | | U | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Ruthenium-106 | 7/14/86 | 77 | 11 | 50 | | U | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Ruthenium-106 | 8/06/86 | 77 | 25 | 44 | | U | pCi/L | | H0009WQ9 | |
| 299-W18-15 | Ruthenium-106 | 9/17/86 | 77 | 15 | 40 | | U | pCi/L | | H0009WR0 | |
| 299-W18-15 | Ruthenium-106 | 10/30/86 | 77 | 14 | 39 | | U | pCi/L | | H0009WR1 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Ruthenium-106 | 11/05/86 | 77 | 39 | 32 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Ruthenium-106 | 12/11/86 | 77 | -33 | 45 | | U | pCi/L | | H0009WR3 | |
| 299-W18-15 | Ruthenium-106 | 1/29/87 | 77 | -19 | 59 | | U | pCi/L | | H0009WR5 | |
| 299-W18-15 | Ruthenium-106 | 4/19/87 | 77 | -23 | 56 | | U | pCi/L | | H0009WR8 | |
| 299-W18-15 | Ruthenium-106 | 7/23/87 | 77 | -15 | 59 | | U | pCi/L | | H0009WS2 | |
| 299-W18-15 | Ruthenium-106 | 10/14/87 | 77 | 51 | 34 | | | pCi/L | | H0009WS6 | |
| 299-W18-15 | Ruthenium-106 | 1/15/88 | 77 | 34 | 62 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Ruthenium-106 | 5/18/88 | 77 | 48 | 45 | | | pCi/L | | H0009WT1 | |
| 299-W18-15 | Ruthenium-106 | 8/17/88 | 77 | 11 | 52 | | U | pCi/L | | H0009WT3 | |
| 299-W18-15 | Ruthenium-106 | 11/17/88 | 77 | 38 | 63 | | U | pCi/L | | H0009WT4 | |
| 299-W18-15 | Ruthenium-106 | 3/09/89 | 77 | 26 | 69 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Ruthenium-106 | 7/29/93 | 140 | 31 | 61 | | U | pCi/L | | B08MP9 | ITAS Gamma Scan |
| 299-W18-15 | Safrol | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Selenium | 1/08/88 | 76 | 5 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Selenium | 7/29/93 | 48 | 1 | | | U | ppb | 10 | B08MP9 | SW-846 7740 |
| 299-W18-15 | Selenium, filtered | 7/23/87 | 48 | 5 | | Y | U | ppb | 10 | H0009WS1 | SW-846 7740 |
| 299-W18-15 | Selenium, filtered | 10/14/87 | 48 | 5 | | Y | U | ppb | 10 | H0009WS5 | SW-846 7740 |
| 299-W18-15 | Selenium, filtered | 1/08/88 | 48 | 5 | | Y | U | ppb | 10 | H0009WS9 | SW-846 7740 |
| 299-W18-15 | Selenium, filtered | 7/29/93 | 48 | 2 | 1 | Y | L | ppb | 10 | B08MQ0 | SW-846 7740 |
| 299-W18-15 | Silver | 1/08/88 | 35 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Silver | 7/29/93 | 34 | 3 | | | U | ppb | 20 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 7/23/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 10/14/87 | 34 | 10 | | Y | U | ppb | 20 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 1/08/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 8/17/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 12/01/88 | 34 | 10 | | Y | U | ppb | 20 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Silver, filtered | 7/29/93 | 34 | 3 | | Y | U | ppb | 20 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Sodium | 1/08/88 | 35 | 12000 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Sodium | 7/29/93 | 34 | 13000 | 4060 | | | ppb | 300 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Sodium, filtered | 7/23/87 | 34 | 8990 | | Y | | ppb | 300 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Sodium, filtered | 10/14/87 | 34 | 10300 | | Y | | ppb | 300 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Sodium, filtered | 1/08/88 | 34 | 11300 | | Y | | ppb | 300 | H0009WS9 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Sodium, filtered | 8/17/88 | 34 | 11900 | | Y | | ppb | 300 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Sodium, filtered | 12/01/88 | 34 | 11000 | | Y | | ppb | 300 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Sodium, filtered | 7/29/93 | 34 | 13000 | 4060 | Y | | ppb | 300 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Specific conductance | 7/23/87 | 76 | 197 | | | | umhos | | H0009WS1 | |
| 299-W18-15 | Specific conductance | 10/14/87 | 76 | 187 | | | | umhos | | H0009WS5 | |
| 299-W18-15 | Specific conductance | 1/08/88 | 76 | | | | | umhos | | H0009WS9 | |
| 299-W18-15 | Specific conductance | 8/17/88 | 76 | 175 | | | | umhos | | H0009WT2 | |
| 299-W18-15 | Specific conductance | 12/01/88 | 76 | 203 | | | | umhos | | H0009WT5 | |
| 299-W18-15 | Specific conductance | 1/17/92 | 94 | 337 | | | | umhos | 1 | B00MC7 | Probe, Conductivity |
| 299-W18-15 | Specific conductance | 7/29/93 | 73 | 220 | | | | umhos | | B08MP9 | ASTM D-1125-A |
| 299-W18-15 | Strontium, filtered | 7/23/87 | 34 | 300 | | Y | U | ppb | | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Strontium, filtered | 10/14/87 | 34 | 98 | | Y | | ppb | | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Strontium, filtered | 1/08/88 | 34 | 92 | | Y | | ppb | | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Strontium, filtered | 8/17/88 | 34 | 105 | | Y | | ppb | | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Strontium, filtered | 12/01/88 | 34 | 97 | | Y | | ppb | | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Strontium-90 | 8/09/84 | 77 | 0 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Strontium-90 | 7/29/93 | 141 | 1 | 0 | | | pCi/L | 5 | B08MP9 | ITAS Sr-90 |
| 299-W18-15 | Strychnine | 1/08/88 | 21 | 50 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Styrene | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Sulfate | 7/23/87 | 46 | 12900 | | | | ppb | | H0009WS1 | EPA 300.0 |
| 299-W18-15 | Sulfate | 10/14/87 | 46 | 12800 | | | | ppb | | H0009WS5 | EPA 300.0 |
| 299-W18-15 | Sulfate | 1/08/88 | 46 | 12800 | | | | ppb | | H0009WS9 | EPA 300.0 |
| 299-W18-15 | Sulfate | 8/17/88 | 46 | 12900 | | | | ppb | | H0009WT2 | EPA 300.0 |
| 299-W18-15 | Sulfate | 12/01/88 | 46 | 12500 | | | | ppb | | H0009WT5 | EPA 300.0 |
| 299-W18-15 | Sulfide | 7/29/93 | 63 | 300 | 97 | | L | ppb | 10000 | B08MP9 | SW-846 9030 |
| 299-W18-15 | Technetium-99 | 1/17/92 | 143 | 2 | 2 | | U | pCi/L | 15 | B00MC7 | ITAS Tc-99 |
| 299-W18-15 | Technetium-99 | 7/29/93 | 143 | 1 | 2 | | U | pCi/L | 15 | B08MP9 | ITAS Tc-99 |
| 299-W18-15 | Temperature, field | 4/28/81 | 170 | 17 | | | | DegC | 0 | H000GBZ7 | Probe, temperature |
| 299-W18-15 | Temperature, field | 6/01/81 | 170 | 15 | | | | DegC | 0 | H000GBV6 | Probe, temperature |
| 299-W18-15 | Temperature, field | 9/09/81 | 170 | 16 | | | | DegC | 0 | H000GBJ8 | Probe, temperature |
| 299-W18-15 | Temperature, field | 9/15/81 | 170 | 15 | | | | DegC | 0 | H000GBJ6 | Probe, temperature |
| 299-W18-15 | Temperature, field | 10/15/81 | 170 | 14 | | | | DegC | 0 | H000GB92 | Probe, temperature |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Temperature, field | 11/12/81 | 170 | 15 | | | | DegC | 0 | H000GB70 | Probe, temperature |
| 299-W18-15 | Temperature, field | 12/01/81 | 170 | 13 | | | | DegC | 0 | H000GB26 | Probe, temperature |
| 299-W18-15 | Temperature, field | 6/17/85 | 170 | 15 | | | | DegC | 0 | H000GBQ5 | Probe, temperature |
| 299-W18-15 | Temperature, field | 7/23/87 | 170 | 12 | | | | DegC | 0 | H000GH32 | Probe, temperature |
| 299-W18-15 | Temperature, field | 10/14/87 | 170 | 13 | | | | DegC | 0 | H000GHX5 | Probe, temperature |
| 299-W18-15 | Temperature, field | 1/08/88 | 170 | 14 | | | | DegC | 0 | H000GJP0 | Probe, temperature |
| 299-W18-15 | Temperature, field | 8/17/88 | 170 | 14 | | | | DegC | 0 | H000GLT0 | Probe, temperature |
| 299-W18-15 | Temperature, field | 12/01/88 | 170 | 14 | | | | DegC | 0 | H000GMQ1 | Probe, temperature |
| 299-W18-15 | Temperature, field | 1/17/92 | 170 | 14 | | | | DegC | 0 | B00MC7 | Probe, temperature |
| 299-W18-15 | Tetrachloroethene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Tetrachloroethene | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Tetrachloroethene | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Tetrachloroethene | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Tetrachloroethene | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Tetrachloroethene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Tetrahydrofuran | 7/29/93 | 16 | 4 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Thallium | 7/29/93 | 42 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 7841 |
| 299-W18-15 | Thallium, filtered | 7/29/93 | 42 | 1 | | Y | U | ppb | 5 | B08MQ0 | SW-846 7841 |
| 299-W18-15 | Thiofanox | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Thiuram | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Tin | 7/29/93 | 34 | 51 | | | U | ppb | 100 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Tin, filtered | 7/29/93 | 34 | 51 | | Y | U | ppb | 100 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Toluene | 7/23/87 | 16 | 4 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Toluene | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Toluene | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Toluene | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Toluene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Toluenediamine | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Total Carbon | 7/23/87 | 127 | 23200 | | | | ppb | 2000 | H0009WS1 | ASTM D-2579-A |
| 299-W18-15 | Total Carbon | 10/14/87 | 127 | 22900 | | | | ppb | 2000 | H0009WS5 | ASTM D-2579-A |
| 299-W18-15 | Total Carbon | 1/08/88 | 127 | 21200 | | | | ppb | 2000 | H0009WS9 | ASTM D-2579-A |
| 299-W18-15 | Total Carbon | 8/17/88 | 127 | 23200 | | | | ppb | 2000 | H0009WT2 | ASTM D-2579-A |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Total Carbon | 12/01/88 | 127 | 22300 | | | | ppb | 2000 | H0009WT5 | ASTM D-2579-A |
| 299-W18-15 | Total Dissolved Solids | 7/29/93 | 65 | 150 | | | | ppm | 10 | B08MP9 | Std Meth #209B |
| 299-W18-15 | Total Organic Carbon | 7/23/87 | 66 | 533 | | | U | ppb | | H0009WS1 | |
| 299-W18-15 | Total Organic Carbon | 10/14/87 | 66 | 566 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Total Organic Carbon | 1/08/88 | 66 | 348 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Total Organic Carbon | 8/17/88 | 66 | 518 | | | U | ppb | | H0009WT2 | |
| 299-W18-15 | Total Organic Carbon | 12/01/88 | 66 | 400 | | | U | ppb | | H0009WT5 | |
| 299-W18-15 | Total Organic Halogen | 7/23/87 | 67 | 85 | | | | ppb | 10 | H0009WS1 | SW-846 9020 |
| 299-W18-15 | Total Organic Halogen | 10/14/87 | 67 | 80 | | | | ppb | 10 | H0009WS5 | SW-846 9020 |
| 299-W18-15 | Total Organic Halogen | 1/08/88 | 67 | 84 | | | | ppb | 10 | H0009WS9 | SW-846 9020 |
| 299-W18-15 | Toxaphene | 7/29/93 | 17 | 1 | | | U | ppb | 2 | B08MP9 | SW-846 8080 |
| 299-W18-15 | Tributylphosphoric Acid | 10/14/87 | 21 | 10 | | | U | ppb | | H0009WS5 | |
| 299-W18-15 | Tributylphosphoric Acid | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Trichloroethene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Trichloroethene | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Trichloroethene | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Trichloroethene | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Trichloroethene | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Trichloroethene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Trichloromethanethiol | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Trichloromethanethiol | 10/14/87 | 16 | 10 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Trichloromethanethiol | 1/08/88 | 16 | 10 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Trichloromethanethiol | 8/17/88 | 16 | 10 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Trichloromonofluoromethane | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Trichloromonofluoromethane | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Trichloromonofluoromethane | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Trichloromonofluoromethane | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Trichloromonofluoromethane | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Tris(2,3-dibromopropyl) phosphate | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Tritium | 4/28/81 | 77 | 540 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Tritium | 6/01/81 | 77 | 320 | | | | pCi/L | | H0009WJ3 | |
| 299-W18-15 | Tritium | 6/17/81 | 77 | 380 | | | | pCi/L | | H0009WJ4 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Tritium | 8/19/81 | 77 | 460 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Tritium | 9/09/81 | 77 | 400 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Tritium | 9/15/81 | 77 | 310 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Tritium | 10/15/81 | 77 | 1400 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Tritium | 11/12/81 | 77 | 260 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Tritium | 12/01/81 | 77 | 940 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Tritium | 1/11/82 | 77 | 440 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Tritium | 1/29/82 | 77 | 350 | | | | pCi/L | | H0009WK2 | |
| 299-W18-15 | Tritium | 3/08/82 | 77 | 170 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Tritium | 3/30/82 | 77 | 870 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Tritium | 4/26/82 | 77 | 700 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Tritium | 5/21/82 | 77 | 130 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Tritium | 6/22/82 | 77 | 1600 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Tritium | 7/26/82 | 77 | 161 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Tritium | 8/18/82 | 77 | 260 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Tritium | 9/15/82 | 77 | 143 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Tritium | 10/11/82 | 77 | 184 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Tritium | 12/10/82 | 77 | 1850 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Tritium | 1/04/83 | 77 | 343 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Tritium | 1/26/83 | 77 | 426 | | | | pCi/L | | H0009WL4 | |
| 299-W18-15 | Tritium | 3/12/83 | 77 | 49 | | | | pCi/L | | H0009WL5 | |
| 299-W18-15 | Tritium | 3/29/83 | 77 | 360 | | | | pCi/L | | H0009WL6 | |
| 299-W18-15 | Tritium | 4/21/83 | 77 | 3200 | | | | pCi/L | | H0009WL7 | |
| 299-W18-15 | Tritium | 5/25/83 | 77 | 705 | | | | pCi/L | | H0009WL8 | |
| 299-W18-15 | Tritium | 6/22/83 | 77 | 1040 | | | | pCi/L | | H0009WL9 | |
| 299-W18-15 | Tritium | 7/15/83 | 77 | -51 | | | | pCi/L | | H0009WM0 | |
| 299-W18-15 | Tritium | 8/23/83 | 77 | 56 | | | | pCi/L | | H0009WM1 | |
| 299-W18-15 | Tritium | 9/27/83 | 77 | 670 | | | | pCi/L | | H0009WM2 | |
| 299-W18-15 | Tritium | 10/17/83 | 77 | 1530 | | | | pCi/L | | H0009WM3 | |
| 299-W18-15 | Tritium | 11/19/83 | 77 | 165 | | | | pCi/L | | H0009WM4 | |
| 299-W18-15 | Tritium | 12/30/83 | 77 | 147 | | | | pCi/L | | H0009WM5 | |
| 299-W18-15 | Tritium | 1/26/84 | 77 | 689 | | | | pCi/L | | H0009WM6 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Tritium | 3/05/84 | 77 | 236 | | | | pCi/L | | H0009WM7 | |
| 299-W18-15 | Tritium | 3/26/84 | 77 | 210 | | | | pCi/L | | H0009WM8 | |
| 299-W18-15 | Tritium | 5/01/84 | 77 | 42 | | | | pCi/L | | H0009WM9 | |
| 299-W18-15 | Tritium | 5/10/84 | 77 | 401 | | | | pCi/L | | H0009WN0 | |
| 299-W18-15 | Tritium | 6/13/84 | 77 | 85 | | | | pCi/L | | H0009WN1 | |
| 299-W18-15 | Tritium | 7/09/84 | 77 | 2000 | | | | pCi/L | | H0009WN2 | |
| 299-W18-15 | Tritium | 8/09/84 | 77 | 338 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Tritium | 9/10/84 | 77 | 191 | | | | pCi/L | | H0009WN4 | |
| 299-W18-15 | Tritium | 10/04/84 | 77 | 935 | | | | pCi/L | | H0009WN5 | |
| 299-W18-15 | Tritium | 11/05/84 | 77 | 122 | | | | pCi/L | | H0009WN6 | |
| 299-W18-15 | Tritium | 12/06/84 | 77 | 215 | | | | pCi/L | | H0009WN7 | |
| 299-W18-15 | Tritium | 1/08/85 | 77 | 80 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Tritium | 2/07/85 | 77 | -22 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Tritium | 3/15/85 | 77 | 584 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Tritium | 4/03/85 | 77 | -9 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Tritium | 5/08/85 | 77 | 83 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Tritium | 6/04/85 | 77 | 152 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Tritium | 7/11/85 | 77 | -13 | 260 | | U | pCi/L | | H0009WP5 | |
| 299-W18-15 | Tritium | 8/12/85 | 77 | 196 | 264 | | U | pCi/L | | H0009WP6 | |
| 299-W18-15 | Tritium | 9/07/85 | 77 | 153 | 254 | | U | pCi/L | | H0009WP7 | |
| 299-W18-15 | Tritium | 10/08/85 | 77 | 168 | 211 | | U | pCi/L | | H0009WP8 | |
| 299-W18-15 | Tritium | 11/07/85 | 77 | 208 | 272 | | U | pCi/L | | H0009WP9 | |
| 299-W18-15 | Tritium | 12/14/85 | 77 | 93 | 297 | | U | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Tritium | 1/03/86 | 77 | 144 | 240 | | U | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Tritium | 2/10/86 | 77 | 137 | 255 | | U | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Tritium | 3/10/86 | 77 | 134 | 247 | | U | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Tritium | 4/07/86 | 77 | 105 | 252 | | U | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Tritium | 5/08/86 | 77 | 128 | 267 | | U | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Tritium | 6/05/86 | 77 | 105 | 260 | | U | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Tritium | 7/14/86 | 77 | 219 | 325 | | U | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Tritium | 8/06/86 | 77 | 126 | 262 | | U | pCi/L | | H0009WQ9 | |
| 299-W18-15 | Tritium | 9/17/86 | 77 | -316 | 288 | | U | pCi/L | | H0009WR0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Tritium | 10/30/86 | 77 | 148 | 317 | | U | pCi/L | | H0009WR1 | |
| 299-W18-15 | Tritium | 11/05/86 | 77 | 539 | 364 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Tritium | 12/11/86 | 77 | -5 | 281 | | U | pCi/L | | H0009WR3 | |
| 299-W18-15 | Tritium | 1/29/87 | 77 | 179 | 256 | | U | pCi/L | | H0009WR5 | |
| 299-W18-15 | Tritium | 2/09/87 | 77 | 332 | 262 | | | pCi/L | | H0009WR6 | |
| 299-W18-15 | Tritium | 3/11/87 | 77 | -49 | 334 | | U | pCi/L | | H0009WR7 | |
| 299-W18-15 | Tritium | 4/19/87 | 77 | 96 | 337 | | U | pCi/L | | H0009WR8 | |
| 299-W18-15 | Tritium | 5/15/87 | 77 | 190 | 327 | | U | pCi/L | | H0009WR9 | |
| 299-W18-15 | Tritium | 6/15/87 | 77 | 111 | 257 | | U | pCi/L | | H0009WS0 | |
| 299-W18-15 | Tritium | 7/23/87 | 77 | 33 | 294 | | U | pCi/L | | H0009WS2 | |
| 299-W18-15 | Tritium | 8/18/87 | 77 | 335 | 322 | | | pCi/L | | H0009WS3 | |
| 299-W18-15 | Tritium | 9/16/87 | 77 | 158 | 312 | | U | pCi/L | | H0009WS4 | |
| 299-W18-15 | Tritium | 10/14/87 | 77 | 35 | 325 | | U | pCi/L | | H0009WS6 | |
| 299-W18-15 | Tritium | 11/19/87 | 77 | 133 | 314 | | U | pCi/L | | H0009WS7 | |
| 299-W18-15 | Tritium | 12/08/87 | 77 | 137 | 255 | | U | pCi/L | | H0009WS8 | |
| 299-W18-15 | Tritium | 1/15/88 | 77 | 157 | 380 | | U | pCi/L | | H0009WT0 | |
| 299-W18-15 | Tritium | 5/18/88 | 77 | 101 | 308 | | U | pCi/L | | H0009WT1 | |
| 299-W18-15 | Tritium | 8/17/88 | 77 | 484 | 385 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Tritium | 11/17/88 | 77 | 153 | 327 | | U | pCi/L | | H0009WT4 | |
| 299-W18-15 | Tritium | 3/09/89 | 77 | 67 | 212 | | U | pCi/L | | H0009WT6 | |
| 299-W18-15 | Tritium | 7/29/93 | 142 | -95 | 224 | | U | pCi/L | 500 | B08MP9 | ITAS H-3 |
| 299-W18-15 | Uranium | 4/28/81 | 77 | 41 | | | | pCi/L | | H0009WJ2 | |
| 299-W18-15 | Uranium | 6/01/81 | 77 | 41 | | | | pCi/L | | H0009WJ3 | |
| 299-W18-15 | Uranium | 6/17/81 | 77 | 42 | | | | pCi/L | | H0009WJ4 | |
| 299-W18-15 | Uranium | 8/19/81 | 77 | 49 | | | | pCi/L | | H0009WJ5 | |
| 299-W18-15 | Uranium | 9/09/81 | 77 | 30 | | | | pCi/L | | H0009WJ6 | |
| 299-W18-15 | Uranium | 9/15/81 | 77 | 46 | | | | pCi/L | | H0009WJ7 | |
| 299-W18-15 | Uranium | 10/15/81 | 77 | 43 | | | | pCi/L | | H0009WJ8 | |
| 299-W18-15 | Uranium | 11/12/81 | 77 | 30 | | | | pCi/L | | H0009WJ9 | |
| 299-W18-15 | Uranium | 12/01/81 | 77 | 23 | | | | pCi/L | | H0009WK0 | |
| 299-W18-15 | Uranium | 1/11/82 | 77 | 28 | | | | pCi/L | | H0009WK1 | |
| 299-W18-15 | Uranium | 1/29/82 | 77 | 28 | | | | pCi/L | | H0009WK2 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Uranium | 3/08/82 | 77 | 41 | | | | pCi/L | | H0009WK3 | |
| 299-W18-15 | Uranium | 3/30/82 | 77 | 39 | | | | pCi/L | | H0009WK4 | |
| 299-W18-15 | Uranium | 4/26/82 | 77 | 42 | | | | pCi/L | | H0009WK5 | |
| 299-W18-15 | Uranium | 5/21/82 | 77 | 52 | | | | pCi/L | | H0009WK6 | |
| 299-W18-15 | Uranium | 6/22/82 | 77 | 48 | | | | pCi/L | | H0009WK7 | |
| 299-W18-15 | Uranium | 7/26/82 | 77 | 49 | | | | pCi/L | | H0009WK8 | |
| 299-W18-15 | Uranium | 8/18/82 | 77 | 55 | | | | pCi/L | | H0009WK9 | |
| 299-W18-15 | Uranium | 9/15/82 | 77 | 1 | | | | pCi/L | | H0009WL0 | |
| 299-W18-15 | Uranium | 10/11/82 | 77 | 50 | | | | pCi/L | | H0009WL1 | |
| 299-W18-15 | Uranium | 12/10/82 | 77 | 43 | | | | pCi/L | | H0009WL2 | |
| 299-W18-15 | Uranium | 1/04/83 | 77 | 37 | | | | pCi/L | | H0009WL3 | |
| 299-W18-15 | Uranium | 8/09/84 | 77 | 61 | | | | pCi/L | | H0009WN3 | |
| 299-W18-15 | Uranium | 1/08/85 | 77 | 41 | | | | pCi/L | | H0009WN8 | |
| 299-W18-15 | Uranium | 2/07/85 | 77 | 39 | | | | pCi/L | | H0009WN9 | |
| 299-W18-15 | Uranium | 3/15/85 | 77 | 42 | | | | pCi/L | | H0009WP0 | |
| 299-W18-15 | Uranium | 4/03/85 | 77 | 41 | | | | pCi/L | | H0009WP1 | |
| 299-W18-15 | Uranium | 5/08/85 | 77 | 37 | | | | pCi/L | | H0009WP2 | |
| 299-W18-15 | Uranium | 6/04/85 | 77 | 33 | | | | pCi/L | | H0009WP4 | |
| 299-W18-15 | Uranium | 7/11/85 | 77 | 37 | 11 | | | pCi/L | | H0009WP5 | |
| 299-W18-15 | Uranium | 8/12/85 | 77 | 53 | 16 | | | pCi/L | | H0009WP6 | |
| 299-W18-15 | Uranium | 9/07/85 | 77 | 60 | 18 | | | pCi/L | | H0009WP7 | |
| 299-W18-15 | Uranium | 10/08/85 | 77 | 57 | 17 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Uranium | 11/07/85 | 77 | 68 | 19 | | | pCi/L | | H0009WP9 | |
| 299-W18-15 | Uranium | 12/14/85 | 77 | 59 | 17 | | | pCi/L | | H0009WQ0 | |
| 299-W18-15 | Uranium | 1/03/86 | 77 | 52 | 15 | | | pCi/L | | H0009WQ1 | |
| 299-W18-15 | Uranium | 2/10/86 | 77 | 51 | 14 | | | pCi/L | | H0009WQ2 | |
| 299-W18-15 | Uranium | 3/10/86 | 77 | 29 | 10 | | | pCi/L | | H0009WQ3 | |
| 299-W18-15 | Uranium | 4/07/86 | 77 | 68 | 20 | | | pCi/L | | H0009WQ4 | |
| 299-W18-15 | Uranium | 5/08/86 | 77 | 55 | 18 | | | pCi/L | | H0009WQ5 | |
| 299-W18-15 | Uranium | 6/05/86 | 77 | 52 | 16 | | | pCi/L | | H0009WQ6 | |
| 299-W18-15 | Uranium | 7/14/86 | 77 | 66 | 17 | | | pCi/L | | H0009WQ8 | |
| 299-W18-15 | Uranium | 8/06/86 | 77 | 67 | 18 | | | pCi/L | | H0009WQ9 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Uranium | 9/17/86 | 77 | 49 | 13 | | | pCi/L | | H0009WR0 | |
| 299-W18-15 | Uranium | 10/30/86 | 77 | 58 | 18 | | | pCi/L | | H0009WR1 | |
| 299-W18-15 | Uranium | 11/05/86 | 77 | 53 | 16 | | | pCi/L | | H0009WR2 | |
| 299-W18-15 | Uranium | 12/11/86 | 77 | 59 | 16 | | | pCi/L | | H0009WR3 | |
| 299-W18-15 | Uranium | 1/29/87 | 77 | 63 | 18 | | | pCi/L | | H0009WR5 | |
| 299-W18-15 | Uranium | 2/09/87 | 77 | 71 | 20 | | | pCi/L | | H0009WR6 | |
| 299-W18-15 | Uranium | 3/11/87 | 77 | 59 | 16 | | | pCi/L | | H0009WR7 | |
| 299-W18-15 | Uranium | 4/19/87 | 77 | 62 | 17 | | | pCi/L | | H0009WR8 | |
| 299-W18-15 | Uranium | 5/15/87 | 77 | 71 | 19 | | | pCi/L | | H0009WR9 | |
| 299-W18-15 | Uranium | 6/15/87 | 77 | 72 | 19 | | | pCi/L | | H0009WS0 | |
| 299-W18-15 | Uranium | 7/23/87 | 77 | 63 | 17 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Uranium | 8/18/87 | 77 | 68 | 18 | | | pCi/L | | H0009WS3 | |
| 299-W18-15 | Uranium | 9/16/87 | 77 | 69 | 18 | | | pCi/L | | H0009WS4 | |
| 299-W18-15 | Uranium | 10/14/87 | 77 | 70 | 19 | | | pCi/L | | H0009WS6 | |
| 299-W18-15 | Uranium | 11/19/87 | 77 | 76 | 21 | | | pCi/L | | H0009WS7 | |
| 299-W18-15 | Uranium | 12/08/87 | 77 | 71 | 20 | | | pCi/L | | H0009WS8 | |
| 299-W18-15 | Uranium | 1/15/88 | 77 | 57 | 16 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Uranium | 5/18/88 | 77 | 63 | 18 | | | pCi/L | | H0009WT1 | |
| 299-W18-15 | Uranium | 8/17/88 | 77 | 59 | 17 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Uranium | 11/17/88 | 77 | 56 | 16 | | | pCi/L | | H0009WT4 | |
| 299-W18-15 | Uranium | 3/09/89 | 77 | 47 | 14 | | | pCi/L | | H0009WT6 | |
| 299-W18-15 | Uranium-234 | 10/08/85 | 77 | 15 | 1 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Uranium-234 | 7/23/87 | 77 | 24 | 2 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Uranium-234 | 1/15/88 | 77 | 23 | 2 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Uranium-234 | 8/17/88 | 77 | 22 | 3 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Uranium-234 | 3/09/89 | 77 | 18 | 2 | | | pCi/L | | H0009WT6 | |
| 299-W18-15 | Uranium-234 | 7/29/93 | 148 | 15 | 2 | | | pCi/L | 0 | B08MP9 | ITAS Isotopic U |
| 299-W18-15 | Uranium-235 | 10/08/85 | 77 | 1 | 0 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Uranium-235 | 7/23/87 | 77 | 1 | 0 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Uranium-235 | 1/15/88 | 77 | 3 | 0 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Uranium-235 | 8/17/88 | 77 | 1 | 0 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Uranium-235 | 3/09/89 | 77 | 1 | 0 | | | pCi/L | | H0009WT6 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Uranium-235 | 7/29/93 | 148 | 1 | 0 | | | pCi/L | 0 | B08MP9 | ITAS Isotopic U |
| 299-W18-15 | Uranium-238 | 10/08/85 | 77 | 16 | 1 | | | pCi/L | | H0009WP8 | |
| 299-W18-15 | Uranium-238 | 7/23/87 | 77 | 24 | 2 | | | pCi/L | | H0009WS2 | |
| 299-W18-15 | Uranium-238 | 1/15/88 | 77 | 25 | 2 | | | pCi/L | | H0009WT0 | |
| 299-W18-15 | Uranium-238 | 8/17/88 | 77 | 22 | 3 | | | pCi/L | | H0009WT3 | |
| 299-W18-15 | Uranium-238 | 3/09/89 | 77 | 18 | 2 | | | pCi/L | | H0009WT6 | |
| 299-W18-15 | Uranium-238 | 7/29/93 | 148 | 15 | 2 | | | pCi/L | 0 | B08MP9 | ITAS Isotopic U |
| 299-W18-15 | Vanadium | 1/08/88 | 35 | 21 | | | | ppb | | H0009WS9 | |
| 299-W18-15 | Vanadium | 7/29/93 | 34 | 22 | 5 | | L | ppb | 30 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 7/23/87 | 34 | 19 | | Y | | ppb | 30 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 10/14/87 | 34 | 21 | | Y | | ppb | 30 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 1/08/88 | 34 | 19 | | Y | | ppb | 30 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 8/17/88 | 34 | 21 | | Y | | ppb | 30 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 12/01/88 | 34 | 18 | | Y | | ppb | 30 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Vanadium, filtered | 7/29/93 | 34 | 18 | 4 | Y | L | ppb | 30 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | Vinyl acetate | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Vinyl chloride | 7/23/87 | 16 | 10 | | | U | ppb | 10 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Vinyl chloride | 10/14/87 | 16 | 10 | | | U | ppb | 10 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Vinyl chloride | 1/08/88 | 16 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Vinyl chloride | 8/17/88 | 16 | 10 | | | U | ppb | 10 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Vinyl chloride | 7/29/93 | 16 | 1 | | | U | ppb | 10 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Warfarin | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Xylenes | 7/23/87 | 16 | 10 | | | U | ppb | | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Xylenes | 10/14/87 | 16 | 5 | | | U | ppb | | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Xylenes | 1/08/88 | 16 | 5 | | | U | ppb | | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Xylenes | 8/17/88 | 16 | 5 | | | U | ppb | | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Xylenes | 12/01/88 | 16 | 5 | | | U | ppb | | H0009WT5 | SW-846 8240 |
| 299-W18-15 | Xylenes (total) | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | Xylenes (total) | 10/14/87 | 16 | 5 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | Xylenes (total) | 1/08/88 | 16 | 5 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | Xylenes (total) | 8/17/88 | 16 | 5 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | Xylenes (total) | 12/01/88 | 16 | 5 | | | U | ppb | 5 | H0009WT5 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | Xylenes (total) | 7/29/93 | 16 | 2 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | Zinc | 1/08/88 | 35 | 5 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | Zinc | 7/29/93 | 34 | 13 | 4 | | | ppb | 10 | B08MP9 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 7/23/87 | 34 | 5 | | Y | U | ppb | 10 | H0009WS1 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 10/14/87 | 34 | 6 | | Y | | ppb | 10 | H0009WS5 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 1/08/88 | 34 | 5 | | Y | U | ppb | 10 | H0009WS9 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 8/17/88 | 34 | 6 | | Y | | ppb | 10 | H0009WT2 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 12/01/88 | 34 | 7 | | Y | | ppb | 10 | H0009WT5 | SW-846 6010 |
| 299-W18-15 | Zinc, filtered | 7/29/93 | 34 | 28 | 9 | Y | | ppb | 10 | B08MQ0 | SW-846 6010 |
| 299-W18-15 | allylchloride | 7/29/93 | 16 | 1 | | | U | ppb | 100 | B08MP9 | SW-846 8240 |
| 299-W18-15 | cis-1,3-Dichloropropene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | gamma-BHC (Lindane) | 7/29/93 | 17 | 0 | | | U | ppb | 0 | B08MP9 | SW-846 8080 |
| 299-W18-15 | m-dinitrobenzene | 1/08/88 | 19 | 10 | | | U | ppb | 10 | H0009WS9 | SW-846 8270 |
| 299-W18-15 | o-Toluidine hydrochloride | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | p-Benzoquinone | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | p-Dimethylaminoazobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | pH | 7/23/87 | 75 | 8 | | | | | | H0009WS1 | |
| 299-W18-15 | pH | 7/23/87 | 76 | 7 | | | | | | H0009WS1 | |
| 299-W18-15 | pH | 10/14/87 | 75 | 8 | | | | | | H0009WS5 | |
| 299-W18-15 | pH | 10/14/87 | 76 | 8 | | | | | | H0009WS5 | |
| 299-W18-15 | pH | 1/08/88 | 75 | 8 | | | | | | H0009WS9 | |
| 299-W18-15 | pH | 1/08/88 | 76 | 8 | | | | | | H0009WS9 | |
| 299-W18-15 | pH | 8/17/88 | 75 | 8 | | | | | | H0009WT2 | |
| 299-W18-15 | pH | 8/17/88 | 76 | 8 | | | | | | H0009WT2 | |
| 299-W18-15 | pH | 12/01/88 | 75 | 8 | | | | | | H0009WT5 | |
| 299-W18-15 | pH | 12/01/88 | 76 | 8 | | | | | | H0009WT5 | |
| 299-W18-15 | pH | 1/17/92 | 93 | 8 | | | | | 0 | B00MC7 | Probe, pH |
| 299-W18-15 | sym-Trinitrobenzene | 1/08/88 | 21 | 10 | | | U | ppb | | H0009WS9 | |
| 299-W18-15 | trans-1,2-Dichloroethylene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | trans-1,2-Dichloroethylene | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | trans-1,2-Dichloroethylene | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | trans-1,2-Dichloroethylene | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-33 | 2,4,5-T | 7/01/93 | 49 | 0 | | | U | ppb | 2 | B08NH8 | SW-846 8150 |
| 299-W18-33 | 2,4,5-TP | 7/01/93 | 49 | 0 | | | U | ppb | 2 | B08NH8 | SW-846 8150 |
| 299-W18-33 | 2,4-D | 7/01/93 | 49 | 0 | | | U | ppb | 10 | B08NH8 | SW-846 8150 |
| 299-W18-33 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/01/93 | 49 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8150 |
| 299-W18-33 | 4,4'-DDD | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | 4,4'-DDE | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | 4,4'-DDT | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aldrin | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Alkalinity | 7/01/93 | 52 | 100 | | | | ppm | 50 | B08NH8 | ASTM D-1067-A |
| 299-W18-33 | Alpha-BHC | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aluminum | 7/01/93 | 34 | 33 | | Y | U | ppb | 200 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Aluminum | 7/01/93 | 34 | 1400 | | | | ppb | 200 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Americium-241 | 7/01/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08NH8 | ITAS Am-241 |
| 299-W18-33 | Ammonium ion | 7/01/93 | 54 | 39 | | | U | ppb | 100 | B08NH8 | ASTM D-1426-D |
| 299-W18-33 | Antimony | 7/01/93 | 34 | 69 | | | U | ppb | 200 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Antimony, filtered | 7/01/93 | 34 | 69 | | Y | U | ppb | 200 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Aroclor-1016 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1221 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1232 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1242 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1248 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1254 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Aroclor-1260 | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Arsenic | 7/01/93 | 43 | 6 | 4 | | | ppb | 5 | B08NH8 | SW-846 7060 |
| 299-W18-33 | Arsenic, filtered | 7/01/93 | 43 | 5 | 4 | Y | | ppb | 5 | B08NH9 | SW-846 7060 |
| 299-W18-33 | Barium | 7/01/93 | 34 | 60 | 0 | | | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Barium, filtered | 7/01/93 | 34 | 46 | 0 | Y | | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Beryllium | 7/01/93 | 34 | 1 | | | U | ppb | 3 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Beryllium, filtered | 7/01/93 | 34 | 1 | | Y | U | ppb | 3 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Beta-BHC | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Bromide | 7/01/93 | 124 | 53 | | | U | ppb | 500 | B08NH8 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-15 | trans-1,3-Dichloropropene | 7/29/93 | 16 | 0 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |
| 299-W18-15 | trans-1,4-dichloro-2-butene | 7/23/87 | 16 | 10 | | | U | ppb | 5 | H0009WS1 | SW-846 8240 |
| 299-W18-15 | trans-1,4-dichloro-2-butene | 10/14/87 | 16 | 10 | | | U | ppb | 5 | H0009WS5 | SW-846 8240 |
| 299-W18-15 | trans-1,4-dichloro-2-butene | 1/08/88 | 16 | 10 | | | U | ppb | 5 | H0009WS9 | SW-846 8240 |
| 299-W18-15 | trans-1,4-dichloro-2-butene | 8/17/88 | 16 | 10 | | | U | ppb | 5 | H0009WT2 | SW-846 8240 |
| 299-W18-15 | trans-1,4-dichloro-2-butene | 7/29/93 | 16 | 1 | | | U | ppb | 5 | B08MP9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-33 | Cadmium | 7/01/93 | 34 | 5 | | | U | ppb | 10 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Cadmium, filtered | 7/01/93 | 34 | 5 | | Y | U | ppb | 10 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Calcium | 7/01/93 | 34 | 21000 | 6360 | | | ppb | 100 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Calcium, filtered | 7/01/93 | 34 | 20000 | 6060 | Y | | ppb | 100 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Chlordane | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Chloride | 7/01/93 | 124 | 2800 | 464 | | | ppb | 200 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Chromium | 7/01/93 | 34 | 28 | 7 | | | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Chromium, filtered | 7/01/93 | 34 | 5 | | Y | U | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Cobalt | 7/01/93 | 34 | 4 | | | U | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Cobalt, filtered | 7/01/93 | 34 | 4 | | Y | U | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Copper | 7/01/93 | 34 | 3 | | | U | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Copper, filtered | 7/01/93 | 34 | 3 | | Y | U | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Cyanide | 7/01/93 | 56 | 2 | 1 | | L | ppb | 20 | B08NH8 | SW-846 9010 |
| 299-W18-33 | Delta-BHC | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Dieldrin | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Disulfoton | 7/01/93 | 29 | 0 | | | U | ppb | 2 | B08NH8 | SW-846 8140 |
| 299-W18-33 | Endosulfan I | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Endosulfan II | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Endosulfan sulfate | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Endrin | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Endrin Aldehyde | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Fluoride | 7/01/93 | 124 | 700 | 46 | | | ppb | 100 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Heptachlor | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Heptachlor epoxide | 7/01/93 | 17 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Iron | 7/01/93 | 34 | 2500 | 1120 | | | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Iron, filtered | 7/01/93 | 34 | 34 | 15 | Y | | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Lead | 7/01/93 | 40 | 1 | 0 | | L | ppb | 5 | B08NH8 | SW-846 7421 |
| 299-W18-33 | Lead, filtered | 7/01/93 | 40 | 1 | | Y | U | ppb | 5 | B08NH9 | SW-846 7421 |
| 299-W18-33 | Magnesium | 7/01/93 | 34 | 6700 | 3520 | | | ppb | 100 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Magnesium, filtered | 7/01/93 | 34 | 6300 | 3310 | Y | | ppb | 100 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Manganese | 7/01/93 | 34 | 280 | 78 | | | ppb | 10 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Manganese, filtered | 7/01/93 | 34 | 210 | 59 | Y | | ppb | 10 | B08NH9 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-33 | Mercury | 7/01/93 | 41 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 7470 |
| 299-W18-33 | Mercury, filtered | 7/01/93 | 41 | 0 | | Y | U | ppb | 0 | B08NH9 | SW-846 7470 |
| 299-W18-33 | Methoxychlor | 7/01/93 | 17 | 0 | | | U | ppb | 2 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Methyl parathion | 7/01/93 | 29 | 0 | | | U | ppb | 1 | B08NH8 | SW-846 8140 |
| 299-W18-33 | Nickel | 7/01/93 | 34 | 18 | | | U | ppb | 30 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Nickel, filtered | 7/01/93 | 34 | 18 | | Y | U | ppb | 30 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Nitrate | 7/01/93 | 124 | 2400 | 208 | | | ppb | 200 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Nitrite | 7/01/93 | 124 | 38 | | | U | ppb | 200 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Phorate | 7/01/93 | 29 | 0 | | | U | ppb | 2 | B08NH8 | SW-846 8140 |
| 299-W18-33 | Phosphate | 7/01/93 | 124 | 147 | | | U | ppb | 400 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Phosphate | 7/01/93 | 124 | 147 | | | U | ppb | 500 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Plutonium-238 | 7/01/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08NH8 | ITAS Isotopic Pu |
| 299-W18-33 | Plutonium-239/40 | 7/01/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08NH8 | ITAS Isotopic Pu |
| 299-W18-33 | Potassium | 7/01/93 | 34 | 3900 | 3730 | | | ppb | 300 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Potassium | 7/01/93 | 34 | 3900 | 3730 | | | ppb | 1000 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Potassium, filtered | 7/01/93 | 34 | 3600 | 3450 | Y | | ppb | 300 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Potassium, filtered | 7/01/93 | 34 | 3600 | 3450 | Y | | ppb | 1000 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Selenium | 7/01/93 | 48 | 1 | | | U | ppb | 10 | B08NH8 | SW-846 7740 |
| 299-W18-33 | Selenium, filtered | 7/01/93 | 48 | 1 | | Y | U | ppb | 10 | B08NH9 | SW-846 7740 |
| 299-W18-33 | Silver | 7/01/93 | 34 | 3 | | | U | ppb | 20 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Silver, filtered | 7/01/93 | 34 | 3 | | Y | U | ppb | 20 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Sodium | 7/01/93 | 34 | 21000 | 6550 | | | ppb | 300 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Sodium, filtered | 7/01/93 | 34 | 21000 | 6550 | Y | | ppb | 300 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Specific conductance | 7/01/93 | 73 | 150 | | | | umhos | | B08NH8 | ASTM D-1125-A |
| 299-W18-33 | Strontium-90 | 7/01/93 | 141 | -0 | 0 | | U | pCi/L | 5 | B08NH8 | ITAS Sr-90 |
| 299-W18-33 | Sulfate | 7/01/93 | 124 | 19000 | 923 | | | ppb | 500 | B08NH8 | ASTM D-4327-88 |
| 299-W18-33 | Sulfide | 7/01/93 | 63 | 600 | 194 | | LB | ppb | 10000 | B08NH8 | SW-846 9030 |
| 299-W18-33 | Thallium | 7/01/93 | 42 | 1 | | | U | ppb | 5 | B08NH8 | SW-846 7841 |
| 299-W18-33 | Thallium, filtered | 7/01/93 | 42 | 1 | | Y | U | ppb | 5 | B08NH9 | SW-846 7841 |
| 299-W18-33 | Tin | 7/01/93 | 34 | 51 | | | U | ppb | 100 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Tin, filtered | 7/01/93 | 34 | 51 | | Y | U | ppb | 100 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Total Organic Carbon | 7/01/93 | 122 | 500 | | | BL | ppb | 1000 | B08NH8 | SW-846 9060 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | 1,1,1,2-Tetrachloroethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,1,1,2-Tetrachloroethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1,1-Trichloroethane | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | 1,1,1-Trichloroethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,1,1-Trichloroethane | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1,1,1-Trichloroethane | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,1,1-Trichloroethane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1,2,2-Tetrachloroethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,1,2,2-Tetrachloroethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1,2-Trichloroethane | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | 1,1,2-Trichloroethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,1,2-Trichloroethane | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1,1,2-Trichloroethane | 5/06/93 | 16 | 0 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,1,2-Trichloroethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1-Dichloroethane | 1/02/90 | 45 | 5 | 2 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,1-Dichloroethane | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1,1-Dichloroethane | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,1-Dichloroethane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1-Dichloroethene | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,1-Dichloroethene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,1-Dimethylhydrazine | 1/02/90 | 38 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,2,3,4-tetrachlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,2,3,4-tetrachlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,2,3,5-tetrachlorobenzene | 6/10/87 | 19 | 10 | | | U | ppb | | H0009ZS2 | SW-846 8270 |
| 299-W19-1 | 1,2,3,5-tetrachlorobenzene | 1/02/90 | 19 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | 1,2,3-Trichloropropane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2,3-Trichloropropane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2,3-trichlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,2,3-trichlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,2,4,5-Tetrachlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,2,4,5-Tetrachlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W18-33 | Total Organic Halogen | 7/01/93 | 67 | 8 | | | U | ppb | 10 | B08NH8 | SW-846 9020 |
| 299-W18-33 | Toxaphene | 7/01/93 | 17 | 1 | | | U | ppb | 2 | B08NH8 | SW-846 8080 |
| 299-W18-33 | Uranium-234 | 7/01/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08NH8 | ITAS Isotopic U |
| 299-W18-33 | Uranium-235 | 7/01/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08NH8 | ITAS Isotopic U |
| 299-W18-33 | Uranium-238 | 7/01/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08NH8 | ITAS Isotopic U |
| 299-W18-33 | Vanadium | 7/01/93 | 34 | 4 | | | U | ppb | 30 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Vanadium, filtered | 7/01/93 | 34 | 4 | | Y | U | ppb | 30 | B08NH9 | SW-846 6010 |
| 299-W18-33 | Zinc | 7/01/93 | 34 | 150 | 47 | | | ppb | 10 | B08NH8 | SW-846 6010 |
| 299-W18-33 | Zinc, filtered | 7/01/93 | 34 | 3 | | Y | U | ppb | 10 | B08NH9 | SW-846 6010 |
| 299-W18-33 | gamma-BHC (Lindane) | 7/01/93 | 17 | 0 | | | U | ppb | 0 | B08NH8 | SW-846 8080 |
| 299-W18-33 | pH | 7/01/93 | 125 | 8 | | | | pH | | B08NH8 | ASTM D-1293 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | 1,2,4-Trichlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,2,4-Trichlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,2-Dibromo-3-chloropropane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2-Dibromo-3-chloropropane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dibromoethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2-Dibromoethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,2-Dichlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,2-Dichloroethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloroethane | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloroethane | 5/06/93 | 16 | 0 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloroethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloroethene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloroethene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloropropane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2-Dichloropropane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,2-Dimethylhydrazine | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,2-Diphenylhydrazine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,3,5-trichlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,3,5-trichlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,3-Dichlorobenzene | 6/10/87 | 20 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,3-Dichlorobenzene | 1/02/90 | 20 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,3-Dichloropropene | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,4-Dichlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | 1,4-Dichlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,4-Dichlorobenzene | 1/02/90 | 24 | 5 | 2 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1,4-Dichlorobenzene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1,4-Dichlorobenzene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1,4-Dioxane | 1/02/90 | 16 | 500 | 175 | | U | ppb | 200 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 1,4-Dioxane | 8/05/93 | 16 | 44 | | | U | ppb | 200 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1,4-Naphtoquinone | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-(o-Chlorophenyl)thiourea | 1/02/90 | 18 | 200 | 60 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | 1-Acetyl-2-thiourea | 1/02/90 | 18 | 200 | 40 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-Butanol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-Butanol | 2/26/92 | 16 | 1000 | | | U | ppb | 1000 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 1-Butanol | 5/06/93 | 16 | 13 | | | U | ppb | 1000 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 1-Butanol | 8/05/93 | 16 | 13 | | | U | ppb | 1000 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 1-Chloro-2,3-epoxypropane | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-Naphthyl-2-thiourea | 1/02/90 | 18 | 200 | 60 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-Naphthylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 1-Propanol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,3,4,6-Tetrachlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,3,7,8-TCDD | 1/02/90 | 51 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8280 |
| 299-W19-1 | 2,4,5-T | 1/02/90 | 49 | 2 | 0 | | U | ppb | 2 | H0009ZS8 | SW-846 8150 |
| 299-W19-1 | 2,4,5-TP | 1/02/90 | 49 | 2 | 0 | | U | ppb | 2 | H0009ZS8 | SW-846 8150 |
| 299-W19-1 | 2,4,5-Trichlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,4,6-Trichlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,4-D | 1/02/90 | 49 | 2 | 0 | | U | ppb | 10 | H0009ZS8 | SW-846 8150 |
| 299-W19-1 | 2,4-Dichlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,4-Dinitrophenol | 1/02/90 | 72 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,4-Dinitrotoluene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,6-Dichlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2,6-Dinitrotoluene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Acetylaminofluorene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Chloroethyl vinyl ether | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 2-Chloronaphthalene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Chlorophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Cyclohexyl-4,6-dinitrophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Hexanone | 1/02/90 | 16 | 50 | 18 | | U | ppb | 50 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 2-Hexanone | 8/05/93 | 16 | 1 | | | U | ppb | 50 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 2-Methylaziridine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Methyllactonitrile | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Methylnaphthalene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Naphthylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | 2-Picoline | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-Propyn-1-ol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-methyl-2-(methylthio) propionaldehyde- | 1/02/90 | 76 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 3,3'-Dichlorobenzidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 3,3'-Dimethoxybenzidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 3,3'-Dimethylbenzidine | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | 3,3'-Dimethylbenzidine | 1/02/90 | 19 | 10 | 4 | | U | ppb | 50 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | 3-Chloropropionitrile | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 3-Methylcholanthrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 3-Nitroaniline | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4,4'-DDD | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | 4,4'-DDD | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | 4,4'-DDE | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | 4,4'-DDE | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | 4,4'-DDT | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | 4,4'-DDT | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | 4,4'-Methylenebis(2-chloroaniline) | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4,6-Dinitro-2-methylphenol | 1/02/90 | 72 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Aminobiphenyl | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Bromophenylphenyl ether | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Chloro-3-methylphenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Chloroaniline | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Methyl-2-pentanone | 1/02/90 | 16 | 10 | 4 | | U | ppb | 50 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | 4-Methyl-2-pentanone | 2/26/92 | 16 | 50 | | | U | ppb | 50 | B01VX8 | SW-846 8240 |
| 299-W19-1 | 4-Methyl-2-pentanone | 5/06/93 | 16 | 1 | | | U | ppb | 50 | B08HR5 | SW-846 8240 |
| 299-W19-1 | 4-Methyl-2-pentanone | 8/05/93 | 16 | 1 | | | U | ppb | 50 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | 4-Nitroaniline | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Nitrophenol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 4-Nitroquinoline-1-oxide | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 5-(Aminomethyl)-3-isoxazolol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 5-Nitro-o-toluidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | 7,12-Dimethylbenz[a]anthracene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | 7H-Dibenzo[c,g]carbazole | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acenaphthene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acenaphthylene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acetone | 1/02/90 | 16 | 10 | 4 | | U | ppb | 100 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Acetone | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acetone | 2/26/92 | 16 | 100 | | | U | ppb | 100 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Acetone | 5/06/93 | 16 | 13 | | | U | ppb | 100 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Acetone | 8/05/93 | 16 | 13 | | | U | ppb | 100 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Acetonitrile | 1/02/90 | 16 | 10 | 4 | | U | ppb | 200 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Acetonitrile | 8/05/93 | 16 | 19 | | | U | ppb | 200 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Acetophenone | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acrolein | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Acrolein | 8/05/93 | 16 | 10 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Acrylamide | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Acrylonitrile | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Acrylonitrile | 8/05/93 | 16 | 4 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Aldrin | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Aldrin | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Alkalinity | 6/10/87 | 53 | 108000 | | | | ppb | | H0009ZS2 | |
| 299-W19-1 | Alkalinity | 8/05/93 | 357 | 90 | | | | ppm | 50 | B08MQ5 | EPA 600, 310.2 |
| 299-W19-1 | Allyl alcohol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Alpha,alpha-Dimethylphenethylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Alpha-BHC | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Alpha-BHC | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aluminum | 6/10/87 | 34 | 150 | | Y | U | ppb | 200 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Aluminum | 1/02/90 | 35 | 14700 | 1880 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Aluminum | 5/06/93 | 34 | 25000 | | | | ppb | 200 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Americium-241 | 2/26/92 | 147 | 1 | 0 | | | pCi/L | 0 | B01VX8 | ITAS Am-241 |
| 299-W19-1 | Americium-241 | 8/05/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08MQ5 | ITAS Am-241 |
| 299-W19-1 | Amitrole | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ammonium ion | 6/10/87 | 54 | 50 | | | U | ppb | 100 | H0009ZS2 | ASTM D-1426-D |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Ammonium ion | 1/02/90 | 54 | 79 | 10 | | | ppb | 100 | H0009ZS8 | ASTM D-1426-D |
| 299-W19-1 | Aniline | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Anthracene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Antimony | 1/02/90 | 35 | 100 | 14 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Antimony | 5/06/93 | 34 | 69 | | | U | ppb | 200 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Antimony, filtered | 6/10/87 | 34 | 100 | | Y | U | ppb | 200 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Antimony-125 | 8/05/93 | 140 | 15 | 19 | | U | pCi/L | | B08MQ5 | ITAS Gamma Scan |
| 299-W19-1 | Aramite | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1016 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1016 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1221 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1221 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1232 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1232 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1242 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1242 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1248 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1248 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1254 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1254 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Aroclor-1260 | 1/02/90 | 33 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Aroclor-1260 | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Arsenic | 1/02/90 | 43 | 5 | 3 | | U | ppb | 5 | H0009ZS8 | SW-846 7060 |
| 299-W19-1 | Arsenic | 8/05/93 | 43 | 16 | 13 | | | ppb | 5 | B08MQ5 | SW-846 7060 |
| 299-W19-1 | Arsenic, filtered | 6/10/87 | 76 | 6 | | Y | | ppb | | H0009ZS2 | |
| 299-W19-1 | Auramine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Barium | 1/02/90 | 35 | 222 | 23 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Barium | 5/06/93 | 34 | 250 | 1 | | | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Barium, filtered | 6/10/87 | 34 | 16 | | Y | | ppb | 20 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Benz[c]acridine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Benzene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Benzene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Benzene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Benzene, dichloromethyl- | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzenethiol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(a)anthracene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(a)pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(b)fluoranthene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(ghi)perylene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(j)fluoranthene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzo(k)fluoranthene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzyl alcohol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Benzyl chloride | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Beryllium | 1/02/90 | 35 | 5 | 1 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Beryllium | 5/06/93 | 34 | 1 | | | U | ppb | 3 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Beryllium, filtered | 6/10/87 | 34 | 5 | | Y | U | ppb | 3 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Beta-BHC | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Beta-BHC | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Bis(2-Choroethoxy)methane | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Bis(2-chloro-1-methylethyl)ether | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Bis(2-chloroethyl) ether | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Bis(2-chloroisopropyl) ether | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Bis(2-ethylhexyl) phthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Bis(chloromethyl) ether | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Boron | 1/02/90 | 35 | 40 | 7 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Bromide | 1/02/90 | 46 | 1000 | 111 | | U | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Bromide | 12/03/91 | 124 | 500 | | | U | ppb | 500 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Bromide | 2/26/92 | 124 | 500 | | | U | ppb | 500 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Bromide | 5/05/92 | 124 | 500 | | | U | ppb | 500 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Bromide | 5/06/93 | 124 | 53 | | | U | ppb | 500 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Bromoacetone | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Bromodichloromethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Bromodichloromethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Bromoform | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Bromoform | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Butylbenzylphthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Cadmium | 1/02/90 | 35 | 94 | 10 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Cadmium | 5/06/93 | 34 | 5 | | | U | ppb | 10 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Cadmium, filtered | 6/10/87 | 34 | 2 | | Y | U | ppb | 10 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Calcium | 1/02/90 | 35 | 22600 | 2900 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Calcium | 5/06/93 | 34 | 43000 | 13000 | | | ppb | 100 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Calcium, filtered | 6/10/87 | 34 | 16900 | | Y | | ppb | 100 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Carbon disulfide | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Carbon disulfide | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Carbon disulfide | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Carbon tetrachloride | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Carbon tetrachloride | 1/02/90 | 16 | 7 | 2 | | | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Carbon tetrachloride | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Carbon tetrachloride | 5/06/93 | 16 | 2 | | | L | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Carbon tetrachloride | 8/05/93 | 16 | 4 | | | L | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Carbonphenothion | 1/02/90 | 29 | 2 | 1 | | U | ppb | | H0009ZS8 | SW-846 8140 |
| 299-W19-1 | Cesium-137 | 1/02/90 | 77 | 1 | 3 | | U | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Cesium-137 | 8/05/93 | 140 | -6 | 8 | | U | pCi/L | 20 | B08MQ5 | ITAS Gamma Scan |
| 299-W19-1 | Chlordane | 1/02/90 | 17 | 1 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Chlordane | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Chloride | 6/10/87 | 46 | 2270 | | | | ppb | | H0009ZS2 | EPA 300.0 |
| 299-W19-1 | Chloride | 1/02/90 | 46 | 4800 | 489 | | | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Chloride | 12/03/91 | 124 | 5400 | 1820 | | | ppb | 200 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Chloride | 2/26/92 | 124 | 7300 | 2460 | | | ppb | 200 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Chloride | 5/05/92 | 124 | 8800 | 2960 | | | ppb | 200 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Chloride | 5/06/93 | 124 | 2000 | 331 | | | ppb | 200 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Chlornaphazine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Chloroalkyl ethers | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Chlorobenzene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Chlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Chlorobenzene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Chlorobenzilate | 1/02/90 | 17 | 300 | 75 | | U | ppb | | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Chloroethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Chloroethane | 8/05/93 | 16 | 1 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Chloroform | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Chloroform | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Chloroform | 2/26/92 | 16 | 1 | | | JU | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Chloroform | 5/06/93 | 16 | 1 | | | L | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Chloroform | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Chloromethyl methyl ether | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Chloroprene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Chromium | 1/02/90 | 35 | 149 | 17 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Chromium | 5/06/93 | 34 | 230 | 60 | | | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Chromium, filtered | 6/10/87 | 34 | 10 | | Y | U | ppb | 20 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Chrysene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Citrus red No. 2 | 1/02/90 | 39 | 1000 | 135 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Cobalt | 1/02/90 | 35 | 20 | 3 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Cobalt | 5/06/93 | 34 | 20 | 4 | | | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Cobalt-60 | 1/02/90 | 77 | 0 | 3 | | U | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Cobalt-60 | 8/05/93 | 140 | -6 | 9 | | U | pCi/L | | B08MQ5 | ITAS Gamma Scan |
| 299-W19-1 | Coliforms | 1/02/90 | 69 | 2 | | | U | MPN | | H0009ZS8 | |
| 299-W19-1 | Coliforms | 1/02/90 | 69 | 2 | | | U | MPN | 2 | H0009ZS8 | SW-846 9131 |
| 299-W19-1 | Copper | 1/02/90 | 35 | 38 | 6 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Copper | 5/06/93 | 34 | 50 | 6 | | | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Copper, filtered | 6/10/87 | 34 | 10 | | Y | U | ppb | 20 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Cresols (methylphenols) | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Crotonaldehyde | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Cyanide | 6/10/87 | 56 | 10 | | | U | ppb | 20 | H0009ZS2 | SW-846 9010 |
| 299-W19-1 | Cyanide | 1/02/90 | 56 | 10 | 3 | | U | ppb | 20 | H0009ZS8 | SW-846 9010 |
| 299-W19-1 | Cyanide | 2/26/92 | 56 | 20 | | | U | ppb | 20 | B01VC7 | SW-846 9010 |
| 299-W19-1 | Delta-BHC | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Delta-BHC | 8/05/93 | 17 | 0 | | | L | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Di-n-butylphthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Di-n-octylphthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Diallate | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | Dibenz(a,j)acridine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenz[a,h]acridine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenz[a,h]anthracene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenzo(a,e)pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenzo[a,h]pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenzo[a,i]pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibenzofuran | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dibromochloromethane | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Dibromochloromethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Dibromomethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Dibromomethane | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Dibutyl Phosphate | 1/02/90 | 57 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dichlorodifluoromethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Dichlorodifluoromethane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Dieldrin | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Dieldrin | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Diethyl phthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Diethylstilbesterol | 1/02/90 | 18 | 200 | 40 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dihydrosafrole | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dimethoate | 1/02/90 | 29 | 2 | 1 | | U | ppb | | H0009ZS8 | SW-846 8140 |
| 299-W19-1 | Dimethyl phthalate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dinoseb | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Diphenylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Dissolved Oxygen | 6/10/87 | 76 | 5 | | | | ?? | | H0009ZS2 | |
| 299-W19-1 | Dissolved Oxygen | 6/10/87 | 76 | 6 | | | | ?? | | H0009ZS4 | |
| 299-W19-1 | Dissolved Oxygen | 6/10/87 | 76 | 6 | | | | ?? | | H0009ZS5 | |
| 299-W19-1 | Dissolved Oxygen | 6/10/87 | 76 | 7 | | | | ?? | | H0009ZS3 | |
| 299-W19-1 | Disulfoton | 1/02/90 | 29 | 2 | 1 | | U | ppb | 2 | H0009ZS8 | SW-846 8140 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Endosulfan I | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Endosulfan I | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Endosulfan II | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Endosulfan II | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Endosulfan sulfate | 1/02/90 | 17 | 1 | 0 | | U | ppb | 1 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Endosulfan sulfate | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Endrin | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Endrin | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Endrin Aldehyde | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Ethanol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethyl carbamate (Urethane) | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethyl cyanide | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethyl cyanide | 5/06/93 | 16 | 4 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Ethyl cyanide | 5/06/93 | 16 | 4 | | | U | ppb | 10 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Ethyl cyanide | 8/05/93 | 16 | 4 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Ethyl cyanide | 8/05/93 | 16 | 4 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Ethyl methacrylate | 1/02/90 | 50 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethyl methacrylate | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Ethyl methanesulfonate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethylbenzene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Ethylbenzene | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Ethylene Glycol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethylene oxide | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Ethyleneimine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ethylenethiourea | 1/02/90 | 18 | 200 | 40 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Fluoranthene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Fluorene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Fluoride | 12/03/91 | 124 | 800 | 169 | | | ppb | 100 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Fluoride | 2/26/92 | 124 | 300 | 63 | | | ppb | 100 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Fluoride | 5/05/92 | 124 | 400 | 84 | | | ppb | 100 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Fluoride | 5/06/93 | 124 | 600 | 39 | | | ppb | 100 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Fluorine | 6/10/87 | 46 | 776 | | | | ppb | | H0009ZS2 | EPA 300.0 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Fluorine | 1/02/90 | 46 | 500 | 56 | | U | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Formaldehyde | 1/02/90 | 16 | 500 | 175 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Gross alpha | 6/10/87 | 77 | 6 | 2 | | | pCi/L | | H0009ZS2 | |
| 299-W19-1 | Gross alpha | 1/02/90 | 77 | 6 | 3 | | | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Gross alpha | 2/26/92 | 135 | 6 | 3 | | | pCi/L | 4 | B01VX8 | SW-846 9310, Alpha |
| 299-W19-1 | Gross alpha | 5/05/92 | 135 | 2 | 1 | | U | pCi/L | 4 | B06DX7 | SW-846 9310, Alpha |
| 299-W19-1 | Gross alpha | 5/06/93 | 135 | 3 | 2 | | | pCi/L | 4 | B08HR5 | SW-846 9310, Alpha |
| 299-W19-1 | Gross beta | 3/01/59 | 77 | 200 | | | | pCi/L | | H0009ZP9 | |
| 299-W19-1 | Gross beta | 4/01/59 | 77 | 200 | | | | pCi/L | | H0009ZQ0 | |
| 299-W19-1 | Gross beta | 5/01/59 | 77 | 200 | | | | pCi/L | | H0009ZQ1 | |
| 299-W19-1 | Gross beta | 6/01/59 | 77 | 200 | | | | pCi/L | | H0009ZQ2 | |
| 299-W19-1 | Gross beta | 7/01/59 | 77 | 200 | | | | pCi/L | | H0009ZQ3 | |
| 299-W19-1 | Gross beta | 7/12/66 | 77 | 2900 | | | | pCi/L | | H0009ZS1 | |
| 299-W19-1 | Gross beta | 6/10/87 | 77 | 18 | 5 | | | pCi/L | | H0009ZS2 | |
| 299-W19-1 | Gross beta | 1/02/90 | 77 | 9 | 3 | | | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Gross beta | 2/26/92 | 136 | 19 | 4 | | | pCi/L | 8 | B01VX8 | SW-846 9310, Beta |
| 299-W19-1 | Gross beta | 5/05/92 | 136 | 4 | 2 | | U | pCi/L | 8 | B06DX7 | SW-846 9310, Beta |
| 299-W19-1 | Gross beta | 5/06/93 | 136 | 6 | 3 | | | pCi/L | 8 | B08HR5 | SW-846 9310, Beta |
| 299-W19-1 | Heptachlor | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Heptachlor | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Heptachlor epoxide | 1/02/90 | 17 | 0 | 0 | | U | ppb | 1 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Heptachlor epoxide | 8/05/93 | 17 | 0 | | | U | ppb | 1 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Hexachlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Hexachlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hexachlorobutadiene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hexachlorocyclopentadiene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hexachloroethane | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hexachlorophene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Hexachlorophene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hexachloropropene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Hydrazine | 6/10/87 | 36 | 30 | | | U | ppb | 30 | H0009ZS2 | ASTM D-1385 |
| 299-W19-1 | Hydrazine | 1/02/90 | 36 | 30 | 5 | | U | ppb | 30 | H0009ZS8 | ASTM D-1385 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Indeno(1,2,3-cd)pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Iodine-129 | 2/26/92 | 139 | 0 | 0 | | U | pCi/L | 1 | B01VC7 | ITAS I-129 Low Level |
| 299-W19-1 | Iron | 1/02/90 | 35 | 276000 | 28000 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Iron | 5/06/93 | 34 | 120000 | 53600 | | | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Iron, filtered | 6/10/87 | 34 | 768 | | Y | | ppb | 20 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Isobutyl alcohol | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Isobutyl alcohol | 8/05/93 | 16 | 27 | | | U | ppb | 200 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Isodrin | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | Isophorone | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Isosafrole | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Kepone | 1/02/90 | 17 | 1 | 0 | | U | ppb | | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Kerosene | 6/10/87 | 21 | 10000 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Kerosene | 1/02/90 | 21 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Lead | 1/02/90 | 76 | 25 | 5 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Lead | 8/05/93 | 40 | 4 | 1 | | L | ppb | 5 | B08MQ5 | SW-846 7421 |
| 299-W19-1 | Lead, filtered | 6/10/87 | 40 | 5 | | Y | U | ppb | 5 | H0009ZS2 | SW-846 7421 |
| 299-W19-1 | Lithium | 1/02/90 | 35 | 17 | 2 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Magnesium | 1/02/90 | 35 | 10200 | 1660 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Magnesium | 5/06/93 | 34 | 18000 | 9450 | | | ppb | 100 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Magnesium, filtered | 6/10/87 | 34 | 5260 | | Y | | ppb | 100 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Maleic hydrazide | 1/02/90 | 21 | 500 | 175 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Malononitrile | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Manganese | 1/02/90 | 35 | 3010 | 304 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Manganese | 5/06/93 | 34 | 1300 | 364 | | | ppb | 10 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Manganese, filtered | 6/10/87 | 34 | 15 | | Y | | ppb | 10 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Melphalan | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Mercury | 8/05/93 | 41 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 7470 |
| 299-W19-1 | Mercury, filtered | 6/10/87 | 41 | 0 | | Y | | ppb | 0 | H0009ZS2 | SW-846 7470 |
| 299-W19-1 | Methacrylonitrile | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methacrylonitrile | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methanethiol | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methapyrilene | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Metholonyl | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Methoxychlor | 1/02/90 | 17 | 3 | 1 | | U | ppb | 2 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | Methoxychlor | 8/05/93 | 17 | 0 | | | U | ppb | 2 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Methyl Iodide | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methyl Iodide | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methyl bromide | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methyl bromide | 8/05/93 | 16 | 1 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methyl chloride | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methyl chloride | 8/05/93 | 16 | 1 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methyl ethyl ketone | 6/10/87 | 16 | 10 | | | U | ppb | 100 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Methyl ethyl ketone | 1/02/90 | 16 | 10 | 4 | | U | ppb | 100 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methyl ethyl ketone | 2/26/92 | 16 | 100 | | | U | ppb | 100 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Methyl ethyl ketone | 5/06/93 | 16 | 4 | | | U | ppb | 100 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Methyl ethyl ketone | 8/05/93 | 16 | 4 | | | U | ppb | 100 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methyl methacrylate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Methyl methacrylate | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methyl methanesulfonate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Methyl parathion | 1/02/90 | 29 | 2 | 1 | | U | ppb | 1 | H0009ZS8 | SW-846 8140 |
| 299-W19-1 | Methylene chloride | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Methylene chloride | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Methylene chloride | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Methylene chloride | 5/06/93 | 16 | 1 | | | BL | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Methylene chloride | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Methylthiouracil | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Molybdenum | 1/02/90 | 35 | 40 | 5 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Monobutyl Phosphate | 1/02/90 | 57 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N,N-Diethylhydrazine | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | N-Nitroso-N-methylurethane | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitroso-di-n-dipropylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosodi-n-butylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosodiethanolamine | 1/02/90 | 79 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosodiethylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | N-Nitrosodimethylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosodiphenylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosomethylethylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosomethylvinylamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosomorpholine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosonornicotine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Nitrosopiperidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Phenylthiourea | 1/02/90 | 18 | 500 | 150 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | N-Propylamine | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Naphthalene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Naphthalene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Nickel | 1/02/90 | 35 | 78 | 9 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Nickel | 5/06/93 | 34 | 140 | 37 | | | ppb | 30 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Nickel, filtered | 6/10/87 | 34 | 10 | | Y | U | ppb | 30 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Nicotinic acid | 1/02/90 | 21 | 100 | 35 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Nitrate | 10/28/57 | 76 | 14 | | | | ppm | | H0009ZP1 | |
| 299-W19-1 | Nitrate | 11/26/57 | 76 | 210 | | | | ppm | | H0009ZP2 | |
| 299-W19-1 | Nitrate | 12/26/57 | 76 | 28 | | | | ppm | | H0009ZP3 | |
| 299-W19-1 | Nitrate | 1/28/58 | 76 | 26 | | | | ppm | | H0009ZP4 | |
| 299-W19-1 | Nitrate | 2/25/58 | 76 | 14 | | | | ppm | | H0009ZP5 | |
| 299-W19-1 | Nitrate | 3/25/58 | 76 | 19 | | | | ppm | | H0009ZP6 | |
| 299-W19-1 | Nitrate | 4/22/58 | 76 | 210 | | | | ppm | | H0009ZP7 | |
| 299-W19-1 | Nitrate | 12/11/58 | 76 | 16 | | | | ppm | | H0009ZP8 | |
| 299-W19-1 | Nitrate | 3/01/59 | 76 | 14 | | | | ppm | | H0009ZP9 | |
| 299-W19-1 | Nitrate | 4/01/59 | 76 | 14 | | | | ppm | | H0009ZQ0 | |
| 299-W19-1 | Nitrate | 5/01/59 | 76 | 16 | | | | ppm | | H0009ZQ1 | |
| 299-W19-1 | Nitrate | 6/01/59 | 76 | 16 | | | | ppm | | H0009ZQ2 | |
| 299-W19-1 | Nitrate | 7/01/59 | 76 | 14 | | | | ppm | | H0009ZQ3 | |
| 299-W19-1 | Nitrate | 12/13/60 | 76 | 17 | | | | ppm | | H0009ZQ4 | |
| 299-W19-1 | Nitrate | 3/21/61 | 76 | 18 | | | | ppm | | H0009ZQ5 | |
| 299-W19-1 | Nitrate | 4/17/61 | 76 | 0 | | | | ppm | | H0009ZQ6 | |
| 299-W19-1 | Nitrate | 4/18/61 | 76 | 16 | | | | ppm | | H0009ZQ7 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Nitrate | 5/23/61 | 76 | 0 | | | | ppm | | H0009ZQ8 | |
| 299-W19-1 | Nitrate | 6/20/61 | 76 | 14 | | | | ppm | | H0009ZQ9 | |
| 299-W19-1 | Nitrate | 7/11/61 | 76 | 17 | | | | ppm | | H0009ZR0 | |
| 299-W19-1 | Nitrate | 7/18/61 | 76 | 8 | | | | ppm | | H0009ZR1 | |
| 299-W19-1 | Nitrate | 10/17/61 | 76 | 13 | | | | ppm | | H0009ZR2 | |
| 299-W19-1 | Nitrate | 11/21/61 | 76 | 10 | | | | ppm | | H0009ZR3 | |
| 299-W19-1 | Nitrate | 12/19/61 | 76 | 5 | | | | ppm | | H0009ZR4 | |
| 299-W19-1 | Nitrate | 1/08/62 | 76 | 12 | | | | ppm | | H0009ZR5 | |
| 299-W19-1 | Nitrate | 6/25/62 | 76 | 12 | | | | ppm | | H0009ZR6 | |
| 299-W19-1 | Nitrate | 12/10/62 | 76 | 16 | | | | ppm | | H0009ZR7 | |
| 299-W19-1 | Nitrate | 3/05/63 | 76 | 1 | | | | ppm | | H0009ZR8 | |
| 299-W19-1 | Nitrate | 7/09/63 | 76 | 11 | | | | ppm | | H0009ZR9 | |
| 299-W19-1 | Nitrate | 6/10/87 | 46 | 1570 | | | | ppb | | H0009ZS2 | EPA 300.0 |
| 299-W19-1 | Nitrate | 1/02/90 | 46 | 1300 | 148 | | | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Nitrate | 12/03/91 | 124 | 200 | | | U | ppb | 200 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Nitrate | 2/26/92 | 124 | 800 | 450 | | | ppb | 200 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Nitrate | 5/05/92 | 124 | 400 | 225 | | | ppb | 200 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Nitrate | 5/06/93 | 124 | 300 | 26 | | | ppb | 200 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Nitrite | 1/02/90 | 55 | 1000 | 118 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Nitrite | 12/03/91 | 124 | 200 | | | U | ppb | 200 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Nitrite | 2/26/92 | 124 | 200 | | | U | ppb | 200 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Nitrite | 5/05/92 | 124 | 200 | | | U | ppb | 200 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Nitrite | 5/06/93 | 124 | 38 | | | U | ppb | 200 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Nitrobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Nitrosopyrrolidine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | O,O,O-Triethyl phosphorothioate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | O,O-diethylO-2-pyrazinylphosphor.. | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | Osmium, filtered | 6/10/87 | 76 | 300 | | Y | U | ?? | | H0009ZS2 | |
| 299-W19-1 | PCDDs | 1/02/90 | 51 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8280 |
| 299-W19-1 | PCDFs | 1/02/90 | 51 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8280 |
| 299-W19-1 | Paraldehyde | 1/02/90 | 28 | 10000 | 3500 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Parathion | 1/02/90 | 29 | 2 | 1 | | U | ppb | | H0009ZS8 | SW-846 8140 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Pentachlorobenzene | 6/10/87 | 21 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Pentachlorobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Pentachloroethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Pentachloroethane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Pentachloronitrobenzene (PCNB) | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Pentachlorophenol | 1/02/90 | 21 | 50 | 18 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Perchlorate | 1/02/90 | 46 | 500 | 52 | | U | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Phenacetin | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Phenanthrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Phenol | 6/10/87 | 32 | 10 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Phenol | 1/02/90 | 32 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Phenylenediamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Phorate | 1/02/90 | 29 | 2 | 1 | | U | ppb | 2 | H0009ZS8 | SW-846 8140 |
| 299-W19-1 | Phosphate | 6/10/87 | 46 | 1000 | | | U | ppb | | H0009ZS2 | EPA 300.0 |
| 299-W19-1 | Phosphate | 1/02/90 | 46 | 1000 | 141 | | U | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Phosphate | 12/03/91 | 124 | 400 | | | U | ppb | 400 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 12/03/91 | 124 | 400 | | | U | ppb | 500 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 2/26/92 | 124 | 400 | | | U | ppb | 400 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 2/26/92 | 124 | 400 | | | U | ppb | 500 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 400 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 5/05/92 | 124 | 400 | | | U | ppb | 500 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 5/06/93 | 124 | 147 | | | U | ppb | 400 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Phosphate | 5/06/93 | 124 | 147 | | | U | ppb | 500 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Phthalic acid esters | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Plutonium-238 | 8/05/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MQ5 | ITAS Isotopic Pu |
| 299-W19-1 | Plutonium-239/40 | 8/05/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MQ5 | ITAS Isotopic Pu |
| 299-W19-1 | Potassium | 1/02/90 | 35 | 6670 | 763 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Potassium | 5/06/93 | 34 | 7000 | 6600 | | | ppb | 300 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Potassium | 5/06/93 | 34 | 7000 | 6600 | | | ppb | 1000 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Potassium, filtered | 6/10/87 | 34 | 2890 | | Y | | ppb | 300 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Potassium, filtered | 6/10/87 | 34 | 2890 | | Y | | ppb | 1000 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Pronamide | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Propionitrile | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Pyrene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Pyridine | 1/02/90 | 16 | 500 | 175 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Radium | 1/02/90 | 77 | 1 | 0 | | | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Reserpine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Resorcinol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Ruthenium-106 | 1/02/90 | 77 | -15 | 38 | | U | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Ruthenium-106 | 8/05/93 | 140 | -40 | 57 | | U | pCi/L | | B08MQ5 | ITAS Gamma Scan |
| 299-W19-1 | Safrol | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Selenium | 1/02/90 | 76 | 5 | 3 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Selenium | 8/05/93 | 48 | 1 | | | U | ppb | 10 | B08MQ5 | SW-846 7740 |
| 299-W19-1 | Selenium, filtered | 6/10/87 | 48 | 5 | | Y | U | ppb | 10 | H0009ZS2 | SW-846 7740 |
| 299-W19-1 | Silicon | 1/02/90 | 35 | 35900 | 6090 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Silver | 1/02/90 | 35 | 10 | 2 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Silver | 5/06/93 | 34 | 3 | | | U | ppb | 20 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Silver, filtered | 6/10/87 | 34 | 10 | | Y | U | ppb | 20 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Sodium | 3/01/59 | 76 | 20 | | | | ?? | | H0009ZP9 | |
| 299-W19-1 | Sodium | 4/01/59 | 76 | 21 | | | | ?? | | H0009ZQ0 | |
| 299-W19-1 | Sodium | 5/01/59 | 76 | 23 | | | | ?? | | H0009ZQ1 | |
| 299-W19-1 | Sodium | 6/01/59 | 76 | 15 | | | | ?? | | H0009ZQ2 | |
| 299-W19-1 | Sodium | 7/01/59 | 76 | 17 | | | | ?? | | H0009ZQ3 | |
| 299-W19-1 | Sodium | 1/02/90 | 35 | 39900 | 4460 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Sodium | 5/06/93 | 34 | 25000 | 7800 | | | ppb | 300 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Sodium, filtered | 6/10/87 | 34 | 25000 | | Y | | ppb | 300 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Specific conductance | 6/10/87 | 76 | 268 | | | | umhos | | H0009ZS2 | |
| 299-W19-1 | Specific conductance | 6/10/87 | 76 | 270 | | | | umhos | | H0009ZS3 | |
| 299-W19-1 | Specific conductance | 6/10/87 | 76 | 270 | | | | umhos | | H0009ZS4 | |
| 299-W19-1 | Specific conductance | 6/10/87 | 76 | 271 | | | | umhos | | H0009ZS5 | |
| 299-W19-1 | Specific conductance | 1/02/90 | 73 | 251 | 26 | | | umhos | | H0009ZS8 | ASTM D-1125-A |
| 299-W19-1 | Specific conductance | 1/02/90 | 76 | 227 | | | | umhos | | H0009ZS8 | |
| 299-W19-1 | Specific conductance | 12/03/91 | 94 | 223 | | | | umhos | 1 | B00N02 | Probe, Conductivity |
| 299-W19-1 | Specific conductance | 2/26/92 | 73 | 290 | | | | umhos | | B01VX8 | ASTM D-1125-A |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Specific conductance | 2/26/92 | 94 | 297 | | | | umhos | 1 | B01VX8 | Probe, Conductivity |
| 299-W19-1 | Specific conductance | 5/05/92 | 94 | 280 | | | | umhos | 1 | B06DX7 | Probe, Conductivity |
| 299-W19-1 | Specific conductance | 5/06/93 | 73 | 220 | | | | umhos | | B08HR5 | ASTM D-1125-A |
| 299-W19-1 | Specific conductance | 5/06/93 | 94 | 553 | | | | umhos | 1 | B08HR5 | Probe, Conductivity |
| 299-W19-1 | Specific conductance | 8/05/93 | 73 | 210 | | | | umhos | | B08MQ5 | ASTM D-1125-A |
| 299-W19-1 | Strontium | 1/02/90 | 35 | 101 | 13 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Strontium, filtered | 6/10/87 | 34 | 300 | | Y | U | ppb | | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Strontium-90 | 2/26/88 | 77 | 0 | 1 | | U | pCi/L | | H0009ZS6 | |
| 299-W19-1 | Strontium-90 | 9/27/88 | 77 | -1 | 1 | | U | pCi/L | | H0009ZS7 | |
| 299-W19-1 | Strontium-90 | 1/02/90 | 77 | -0 | 1 | | U | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Strychnine | 1/02/90 | 21 | 50 | 18 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Styrene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Styrene | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Sulfate | 6/10/87 | 46 | 16600 | | | | ppb | | H0009ZS2 | EPA 300.0 |
| 299-W19-1 | Sulfate | 1/02/90 | 46 | 39200 | 3970 | | | ppb | | H0009ZS8 | EPA 300.0 |
| 299-W19-1 | Sulfate | 12/03/91 | 124 | 20000 | 19300 | | | ppb | 500 | B00N02 | ASTM D-4327-88 |
| 299-W19-1 | Sulfate | 2/26/92 | 124 | 34000 | 32800 | | | ppb | 500 | B01VX8 | ASTM D-4327-88 |
| 299-W19-1 | Sulfate | 5/05/92 | 124 | 55000 | 53100 | | | ppb | 500 | B06DX7 | ASTM D-4327-88 |
| 299-W19-1 | Sulfate | 5/06/93 | 124 | 16000 | 778 | | | ppb | 500 | B08HR5 | ASTM D-4327-88 |
| 299-W19-1 | Sulfide | 1/02/90 | 63 | 1000 | 208 | | U | ppb | 10000 | H0009ZS8 | SW-846 9030 |
| 299-W19-1 | Sulfide | 8/05/93 | 63 | 400 | 130 | | L | ppb | 10000 | B08MQ5 | SW-846 9030 |
| 299-W19-1 | Technetium-99 | 2/26/88 | 77 | 24 | 9 | | | pCi/L | | H0009ZS6 | |
| 299-W19-1 | Technetium-99 | 9/27/88 | 77 | 47 | 12 | | | pCi/L | | H0009ZS7 | |
| 299-W19-1 | Technetium-99 | 1/02/90 | 77 | 30 | 9 | | | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Technetium-99 | 2/26/92 | 143 | 2 | 2 | | U | pCi/L | 15 | B01VC7 | ITAS Tc-99 |
| 299-W19-1 | Technetium-99 | 8/05/93 | 143 | 3 | 2 | | | pCi/L | 15 | B08MQ5 | ITAS Tc-99 |
| 299-W19-1 | Temperature, field | 12/16/76 | 170 | 17 | | | | DegC | 0 | H000G9H9 | Probe, temperature |
| 299-W19-1 | Temperature, field | 1/11/80 | 170 | 17 | | | | DegC | 0 | H000G9J0 | Probe, temperature |
| 299-W19-1 | Temperature, field | 6/10/87 | 170 | 18 | | | | DegC | 0 | H000GRD8 | Probe, temperature |
| 299-W19-1 | Temperature, field | 1/02/90 | 170 | 15 | | | | DegC | 0 | H000GPS9 | Probe, temperature |
| 299-W19-1 | Temperature, field | 12/03/91 | 170 | 16 | | | | DegC | 0 | B00N02 | Probe, temperature |
| 299-W19-1 | Temperature, field | 2/26/92 | 170 | 13 | | | | DegC | 0 | B01VX8 | Probe, temperature |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Temperature, field | 5/05/92 | 170 | 18 | | | | DegC | 0 | B06DX7 | Probe, temperature |
| 299-W19-1 | Temperature, field | 5/06/93 | 170 | 17 | | | | DegC | 0 | B08HR5 | Probe, temperature |
| 299-W19-1 | Tetrachloroethene | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Tetrachloroethene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Tetrachloroethene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Tetrachloroethene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Tetrachloroethene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Tetraethylpyrophosphate | 1/02/90 | 29 | 2 | 1 | | U | ppb | | H0009ZS8 | SW-846 8140 |
| 299-W19-1 | Tetrahydrofuran | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Tetrahydrofuran | 2/26/92 | 16 | 10 | | | U | ppb | 10 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Tetrahydrofuran | 5/06/93 | 16 | 4 | | | U | ppb | 10 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Tetrahydrofuran | 8/05/93 | 16 | 4 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Thallium | 1/02/90 | 76 | 5 | 3 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Thallium | 8/05/93 | 42 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 7841 |
| 299-W19-1 | Thiofanox | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Thiourea | 1/02/90 | 18 | 200 | 40 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Thiuram | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Tin | 1/02/90 | 35 | 30 | 6 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Tin | 5/06/93 | 34 | 51 | | | U | ppb | 100 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Titanium | 1/02/90 | 35 | 1370 | 207 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Toluene | 1/02/90 | 16 | 13 | 3 | | | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Toluene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Toluene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Toluene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Toluenediamine | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Total Carbon | 1/02/90 | 127 | 15800 | 1700 | | | ppb | 2000 | H0009ZS8 | ASTM D-2579-A |
| 299-W19-1 | Total Organic Carbon | 6/10/87 | 66 | 620 | | | U | ppb | | H0009ZS2 | |
| 299-W19-1 | Total Organic Carbon | 1/02/90 | 66 | 500 | 66 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Total Organic Carbon | 2/26/92 | 122 | 1000 | | | U | ppb | 1000 | B01VX8 | SW-846 9060 |
| 299-W19-1 | Total Organic Carbon | 5/06/93 | 122 | 500 | | | L | ppb | 1000 | B08HR5 | SW-846 9060 |
| 299-W19-1 | Total Organic Halogen | 6/10/87 | 67 | 7 | | | U | ppb | 10 | H0009ZS2 | SW-846 9020 |
| 299-W19-1 | Total Organic Halogen | 1/02/90 | 67 | 13 | 4 | | | ppb | 10 | H0009ZS8 | SW-846 9020 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Total Organic Halogen | 2/26/92 | 67 | 10 | | | | ppb | 10 | B01VX8 | SW-846 9020 |
| 299-W19-1 | Total Organic Halogen | 2/26/92 | 67 | 20 | | | | ppb | 10 | B01VX8 | SW-846 9020 |
| 299-W19-1 | Total Organic Halogen | 5/06/93 | 67 | 8 | | | U | ppb | 10 | B08HR5 | SW-846 9020 |
| 299-W19-1 | Toxaphene | 1/02/90 | 37 | 1 | 0 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Toxaphene | 8/05/93 | 17 | 1 | | | U | ppb | 2 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | Tributylphosphoric Acid | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Trichloroethene | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Trichloroethene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Trichloroethene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Trichloroethene | 5/06/93 | 16 | 1 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Trichloroethene | 8/05/93 | 16 | 1 | | | L | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Trichloromethanethiol | 1/02/90 | 16 | 10 | 4 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Trichloromonofluoromethane | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Trichloromonofluoromethane | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Tris(2,3-dibromopropyl) phosphate | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Tritium | 2/08/66 | 77 | 6800 | | | | pCi/L | | H0009ZS0 | |
| 299-W19-1 | Tritium | 6/10/87 | 77 | 222 | 302 | | U | pCi/L | | H0009ZS2 | |
| 299-W19-1 | Tritium | 1/02/90 | 77 | 125 | 223 | | U | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Tritium | 12/03/91 | 142 | -17 | 282 | | U | pCi/L | 500 | B00N02 | ITAS H-3 |
| 299-W19-1 | Tritium | 2/26/92 | 142 | 330 | 214 | | U | pCi/L | 500 | B01VX8 | ITAS H-3 |
| 299-W19-1 | Tritium | 5/05/92 | 142 | 113 | 231 | | U | pCi/L | 500 | B06DX7 | ITAS H-3 |
| 299-W19-1 | Tritium | 5/06/93 | 142 | -95 | 225 | | U | pCi/L | 500 | B08HR5 | ITAS H-3 |
| 299-W19-1 | Turbidity | 1/02/90 | 76 | 200 | 31 | | | NTU | | H0009ZS8 | |
| 299-W19-1 | Uranium | 1/02/90 | 77 | 4 | 1 | | | pCi/L | | H0009ZS8 | |
| 299-W19-1 | Uranium | 2/26/92 | 145 | 2 | 0 | | | ppb | 1 | B01VX8 | ITAS Gross U |
| 299-W19-1 | Uranium | 5/05/92 | 145 | 1 | 1 | | | ppb | 1 | B06DX7 | ITAS Gross U |
| 299-W19-1 | Uranium | 5/06/93 | 145 | 2 | 1 | | | ppb | 1 | B08HR5 | ITAS Gross U |
| 299-W19-1 | Uranium-234 | 8/05/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ5 | ITAS Isotopic U |
| 299-W19-1 | Uranium-235 | 8/05/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08MQ5 | ITAS Isotopic U |
| 299-W19-1 | Uranium-238 | 8/05/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ5 | ITAS Isotopic U |
| 299-W19-1 | Vanadium | 1/02/90 | 35 | 145 | 18 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Vanadium | 5/06/93 | 34 | 110 | 23 | | | ppb | 30 | B08HR5 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | Vanadium, filtered | 6/10/87 | 34 | 36 | | Y | | ppb | 30 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Vinyl acetate | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Vinyl acetate | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Vinyl chloride | 1/02/90 | 16 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Vinyl chloride | 2/26/92 | 16 | 10 | | | U | ppb | 10 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Vinyl chloride | 5/06/93 | 16 | 1 | | | U | ppb | 10 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Vinyl chloride | 8/05/93 | 16 | 1 | | | U | ppb | 10 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Warfarin | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | Xylenes | 6/10/87 | 16 | 10 | | | U | ppb | | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Xylenes | 1/02/90 | 16 | 5 | 2 | | U | ppb | | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Xylenes (total) | 6/10/87 | 16 | 10 | | | U | ppb | 5 | H0009ZS2 | SW-846 8240 |
| 299-W19-1 | Xylenes (total) | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | Xylenes (total) | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | Xylenes (total) | 5/06/93 | 16 | 2 | | | U | ppb | 5 | B08HR5 | SW-846 8240 |
| 299-W19-1 | Xylenes (total) | 8/05/93 | 16 | 2 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | Zinc | 1/02/90 | 35 | 127 | 21 | | | ppb | | H0009ZS8 | |
| 299-W19-1 | Zinc | 5/06/93 | 34 | 180 | 56 | | | ppb | 10 | B08HR5 | SW-846 6010 |
| 299-W19-1 | Zinc, filtered | 6/10/87 | 34 | 5 | | Y | U | ppb | 10 | H0009ZS2 | SW-846 6010 |
| 299-W19-1 | Zirconium | 1/02/90 | 35 | 50 | 7 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | allylchloride | 1/02/90 | 16 | 100 | 35 | | U | ppb | 100 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | allylchloride | 8/05/93 | 16 | 1 | | | U | ppb | 100 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | cis-1,3-Dichloropropene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | gamma-BHC (Lindane) | 1/02/90 | 17 | 0 | 0 | | U | ppb | 0 | H0009ZS8 | SW-846 8080 |
| 299-W19-1 | gamma-BHC (Lindane) | 8/05/93 | 17 | 0 | | | U | ppb | 0 | B08MQ5 | SW-846 8080 |
| 299-W19-1 | m-dinitrobenzene | 1/02/90 | 19 | 10 | 4 | | U | ppb | 10 | H0009ZS8 | SW-846 8270 |
| 299-W19-1 | o-Nitroaniline | 1/02/90 | 74 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | o-Nitroaniline | 1/02/90 | 76 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | o-Toluidine hydrochloride | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | p-Benzoquinone | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | p-Dimethylaminoazobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | pH | 6/10/87 | 75 | 8 | | | | | | H0009ZS2 | |
| 299-W19-1 | pH | 6/10/87 | 76 | 8 | | | | | | H0009ZS3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 1,1,1,2-Tetrachloroethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,1,1,2-Tetrachloroethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,1,1,2-Tetrachloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1,1,1-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | 1,1,2,2-Tetrachloroethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,1,2,2-Tetrachloroethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,1,2,2-Tetrachloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1,1,2-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethane | 1/22/88 | 45 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,1-Dichloroethane | 8/19/88 | 45 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | 1,1-Dichloroethane | 11/02/89 | 45 | 5 | 2 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,1-Dichloroethane | 4/04/90 | 45 | 5 | 2 | | U | ppb | | H000B1R1 | |
| 299-W19-21 | 1,1-Dichloroethane | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-1 | pH | 6/10/87 | 76 | 8 | | | | | | H0009ZS4 | |
| 299-W19-1 | pH | 6/10/87 | 76 | 8 | | | | | | H0009ZS5 | |
| 299-W19-1 | pH | 6/10/87 | 76 | 8 | | | | | | H0009ZS2 | |
| 299-W19-1 | pH | 1/02/90 | 75 | 9 | 0 | | | | | H0009ZS8 | |
| 299-W19-1 | pH | 1/02/90 | 76 | 9 | | | | | | H0009ZS8 | |
| 299-W19-1 | pH | 12/03/91 | 93 | 9 | | | | | 0 | B00N02 | Probe, pH |
| 299-W19-1 | pH | 2/26/92 | 125 | 10 | | | | pH | | B01VX8 | ASTM D-1293 |
| 299-W19-1 | pH | 2/26/92 | 93 | 9 | | | | | 0 | B01VX8 | Probe, pH |
| 299-W19-1 | pH | 5/05/92 | 93 | 9 | | | | | 0 | B06DX7 | Probe, pH |
| 299-W19-1 | pH | 5/06/93 | 125 | 8 | | | | pH | | B08HR5 | ASTM D-1293 |
| 299-W19-1 | pH | 5/06/93 | 93 | 8 | | | | | 0 | B08HR5 | Probe, pH |
| 299-W19-1 | pH | 8/05/93 | 125 | 8 | | | | pH | | B08MQ5 | ASTM D-1293 |
| 299-W19-1 | sym-Trinitrobenzene | 1/02/90 | 21 | 10 | 4 | | U | ppb | | H0009ZS8 | |
| 299-W19-1 | trans-1,2-Dichloroethylene | 1/02/90 | 16 | 5 | 2 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | trans-1,2-Dichloroethylene | 2/26/92 | 16 | 5 | | | U | ppb | 5 | B01VX8 | SW-846 8240 |
| 299-W19-1 | trans-1,3-Dichloropropene | 8/05/93 | 16 | 0 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |
| 299-W19-1 | trans-1,4-dichloro-2-butene | 1/02/90 | 16 | 10 | 4 | | U | ppb | 5 | H0009ZS8 | SW-846 8240 |
| 299-W19-1 | trans-1,4-dichloro-2-butene | 8/05/93 | 16 | 1 | | | U | ppb | 5 | B08MQ5 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 1,1-Dichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethane | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethene | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethene | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,1-Dichloroethene | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,1-Dimethylhydrazine | 11/02/89 | 38 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2,3,4-tetrachlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2,3,4-tetrachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2,3,5-tetrachlorobenzene | 1/22/88 | 19 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | 1,2,3,5-tetrachlorobenzene | 11/02/89 | 19 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8270 |
| 299-W19-21 | 1,2,3-Trichloropropane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,2,3-Trichloropropane | 1/22/88 | 76 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2,3-Trichloropropane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,2,3-Trichloropropane | 8/19/88 | 76 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | 1,2,3-Trichloropropane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2,3-trichlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2,3-trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2,4,5-Tetrachlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2,4,5-Tetrachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2,4-Trichlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2,4-Trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2-Dibromo-3-chloropropane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,2-Dibromo-3-chloropropane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,2-Dibromo-3-chloropropane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2-Dibromoethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,2-Dibromoethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,2-Dibromoethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2-Dichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,2-Dichloroethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 1,2-Dichloroethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloropropane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloropropane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,2-Dichloropropane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2-Dimethylhydrazine | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,2-Diphenylhydrazine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,2-Diphenylhydrazine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,3,5-trichlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,3,5-trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,3-Dichlorobenzene | 1/22/88 | 20 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,3-Dichlorobenzene | 11/02/89 | 20 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,3-Dichloropropene | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,3-Dichloropropene | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 1,3-Dichloropropene | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,4-Dichlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,4-Dichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,4-Dichlorobenzene | 11/02/89 | 24 | 5 | 2 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1,4-Dichlorobenzene | 4/04/90 | 24 | 5 | 2 | | U | ppb | | H000B1R1 | |
| 299-W19-21 | 1,4-Dichlorobenzene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 1,4-Dichlorobenzene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1,4-Dichlorobenzene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1,4-Dichlorobenzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | 1,4-Dioxane | 1/22/88 | 16 | 500 | | | U | ppb | 200 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 1,4-Dioxane | 8/19/88 | 16 | 500 | | | U | ppb | 200 | H000B1Q6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 1,4-Dioxane | 11/02/89 | 16 | 500 | 175 | | U | ppb | 200 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 1,4-Naphtoquinone | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1,4-Naphtoquinone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-(o-Chlorophenyl)thiourea | 11/02/89 | 18 | 200 | 60 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Acetyl-2-thiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Butanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Butanol | 3/09/92 | 16 | 1000 | | | U | ppb | 1000 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 1-Butanol | 4/30/92 | 16 | 1000 | | | U | ppb | 1000 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074M1 | SW-846 8240 |
| 299-W19-21 | 1-Butanol | 12/07/92 | 16 | 1000 | | | U | ppb | 1000 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 1-Butanol | 2/03/93 | 16 | 1000 | | | U | ppb | 1000 | B08413 | SW-846 8240 |
| 299-W19-21 | 1-Chloro-2,3-epoxypropane | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1-Chloro-2,3-epoxypropane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Naphthyl-2-thiourea | 11/02/89 | 18 | 200 | 60 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Naphthylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 1-Naphthylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 1-Propanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,3,4,6-Tetrachlorophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,3,4,6-Tetrachlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,3,7,8-TCDD | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8280 |
| 299-W19-21 | 2,4,5-T | 11/02/89 | 49 | 2 | 0 | | U | ppb | 2 | H000B1R0 | SW-846 8150 |
| 299-W19-21 | 2,4,5-T | 6/30/93 | 49 | 0 | | | U | ppb | 2 | B08MQ1 | SW-846 8150 |
| 299-W19-21 | 2,4,5-TP | 11/02/89 | 49 | 2 | 0 | | U | ppb | 2 | H000B1R0 | SW-846 8150 |
| 299-W19-21 | 2,4,5-TP | 6/30/93 | 49 | 0 | | | U | ppb | 2 | B08MQ1 | SW-846 8150 |
| 299-W19-21 | 2,4,5-Trichlorophenol | 1/22/88 | 21 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,4,5-Trichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,4,6-Trichlorophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,4,6-Trichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,4-D | 11/02/89 | 49 | 2 | 0 | | U | ppb | 10 | H000B1R0 | SW-846 8150 |
| 299-W19-21 | 2,4-D | 6/30/93 | 49 | 0 | | | U | ppb | 10 | B08MQ1 | SW-846 8150 |
| 299-W19-21 | 2,4-Dichlorophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,4-Dichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 2,4-Dimethylphenol | 1/22/88 | 19 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | 2,4-Dinitrophenol | 1/22/88 | 72 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,4-Dinitrophenol | 11/02/89 | 72 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,4-Dinitrotoluene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,4-Dinitrotoluene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,6-Dichlorophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,6-Dichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2,6-Dinitrotoluene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2,6-Dinitrotoluene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Acetylaminofluorene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Acetylaminofluorene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Chloroethyl vinyl ether | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 2-Chloroethyl vinyl ether | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 2-Chloroethyl vinyl ether | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 2-Chloronaphthalene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Chloronaphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Chlorophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Chlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Cyclohexyl-4,6-dinitrophenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Cyclohexyl-4,6-dinitrophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Hexanone | 11/02/89 | 16 | 50 | 18 | | U | ppb | 50 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 2-Methylaziridine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Methylaziridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Methyllactonitrile | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Methyllactonitrile | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Methylnaphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Naphthylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Naphthylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Picoline | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-Picoline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-Propyn-1-ol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-methyl-2-(methylthio) propionaldehyde- | 1/22/88 | 76 | 10 | | | U | ppb | | H000B1Q3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 2-methyl-2-(methylthio) propionaldehyde- | 11/02/89 | 76 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 6/30/93 | 49 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8150 |
| 299-W19-21 | 3,3'-Dichlorobenzidine | 1/22/88 | 21 | 20 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 3,3'-Dichlorobenzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 3,3'-Dimethoxybenzidine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 3,3'-Dimethoxybenzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 3,3'-Dimethylbenzidine | 1/22/88 | 19 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | 3,3'-Dimethylbenzidine | 1/22/88 | 19 | 10 | | | U | ppb | 50 | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | 3,3'-Dimethylbenzidine | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | 3,3'-Dimethylbenzidine | 11/02/89 | 19 | 10 | 4 | | U | ppb | 50 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | 3-Chloropropionitrile | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 3-Methylcholanthrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 3-Methylcholanthrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 3-Nitroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4,4'-DDD | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | 4,4'-DDD | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | 4,4'-DDE | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | 4,4'-DDE | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | 4,4'-DDT | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | 4,4'-DDT | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | 4,4'-Methylenebis(2-chloroaniline) | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4,4'-Methylenebis(2-chloroaniline) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4,6-Dinitro-2-methylphenol | 1/22/88 | 72 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4,6-Dinitro-2-methylphenol | 11/02/89 | 72 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Aminobiphenyl | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Aminobiphenyl | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Bromophenylphenyl ether | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Bromophenylphenyl ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Chloro-3-methylphenol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Chloro-3-methylphenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | 4-Chloroaniline | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Chloroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Methyl-2-pentanone | 1/22/88 | 16 | 10 | | | U | ppb | 50 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 8/19/88 | 16 | 10 | | | U | ppb | 50 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 12/14/88 | 16 | 10 | | | U | ppb | 50 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 50 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 4/04/90 | 16 | 10 | 4 | | U | ppb | 50 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 3/09/92 | 16 | 50 | | | U | ppb | 50 | B01VY2 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 4/30/92 | 16 | 50 | | | U | ppb | 50 | B06DX9 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074M1 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 12/07/92 | 16 | 50 | | | U | ppb | 50 | B07QG1 | SW-846 8240 |
| 299-W19-21 | 4-Methyl-2-pentanone | 2/03/93 | 16 | 50 | | | U | ppb | 50 | B08413 | SW-846 8240 |
| 299-W19-21 | 4-Nitroaniline | 1/22/88 | 21 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Nitroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Nitrophenol | 1/22/88 | 21 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 4-Nitrophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 4-Nitroquinoline-1-oxide | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 5-(Aminomethyl)-3-isoxazolol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 5-(Aminomethyl)-3-isoxazolol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 5-Nitro-o-toluidine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 5-Nitro-o-toluidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 7,12-Dimethylbenz[a]anthracene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 7,12-Dimethylbenz[a]anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | 7H-Dibenzo[c,g]carbazole | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | 7H-Dibenzo[c,g]carbazole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acenaphthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acenaphthylene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acetone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 100 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Acetone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acetone | 4/04/90 | 16 | 10 | 4 | | U | ppb | 100 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Acetone | 3/09/92 | 16 | 100 | | | U | ppb | 100 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Acetone | 4/30/92 | 16 | 100 | | | U | ppb | 100 | B06DX9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074M1 | SW-846 8240 |
| 299-W19-21 | Acetone | 12/07/92 | 16 | 18 | | | B | ppb | 100 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Acetone | 2/03/93 | 16 | 5 | | | U | ppb | 100 | B08413 | SW-846 8240 |
| 299-W19-21 | Acetonitrile | 1/22/88 | 16 | 3000 | | | U | ppb | 200 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Acetonitrile | 8/19/88 | 16 | 3000 | | | U | ppb | 200 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Acetonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 200 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Acetophenone | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Acetophenone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acrolein | 1/22/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Acrolein | 8/19/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Acrolein | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Acrylamide | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Acrylonitrile | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Acrylonitrile | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Acrylonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Aldrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Aldrin | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Alkalinity | 1/22/88 | 53 | 84200 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Alkalinity | 8/19/88 | 53 | 88700 | | | | ppb | | H000B1Q6 | |
| 299-W19-21 | Alkalinity | 12/14/88 | 53 | 86700 | | | | ppb | | H000B1Q8 | |
| 299-W19-21 | Alkalinity | 6/30/93 | 52 | 90 | | | | ppm | 50 | B08MQ1 | ASTM D-1067-A |
| 299-W19-21 | Allyl alcohol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Alpha,alpha-Dimethylphenethylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Alpha,alpha-Dimethylphenethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Alpha-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Alpha-BHC | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aluminum | 1/22/88 | 34 | 150 | | Y | U | ppb | 200 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Aluminum | 1/22/88 | 35 | 150 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Aluminum | 8/19/88 | 34 | 150 | | Y | U | ppb | 200 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Aluminum | 12/14/88 | 34 | 150 | | Y | U | ppb | 200 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Aluminum | 11/02/89 | 34 | 150 | 20 | Y | U | ppb | 200 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Aluminum | 11/02/89 | 35 | 150 | 20 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Aluminum | 4/04/90 | 34 | 150 | 20 | Y | U | ppb | 200 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Aluminum | 6/30/93 | 34 | 100 | | | L | ppb | 200 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Aluminum | 6/30/93 | 34 | 33 | | Y | U | ppb | 200 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Aluminum | 8/26/93 | 34 | 33 | | Y | U | ppb | 200 | B091J1 | SW-846 6010 |
| 299-W19-21 | Americium-241 | 11/02/89 | 77 | 0 | 0 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Americium-241 | 3/09/92 | 147 | -0 | 0 | | U | pCi/L | 0 | B01VY2 | ITAS Am-241 |
| 299-W19-21 | Americium-241 | 2/03/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08413 | ITAS Am-241 |
| 299-W19-21 | Americium-241 | 6/30/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08MQ1 | ITAS Am-241 |
| 299-W19-21 | Amitrole | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Amitrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ammonium ion | 1/22/88 | 54 | 50 | | | U | ppb | 100 | H000B1Q3 | ASTM D-1426-D |
| 299-W19-21 | Ammonium ion | 8/19/88 | 54 | 50 | | | U | ppb | 100 | H000B1Q6 | ASTM D-1426-D |
| 299-W19-21 | Ammonium ion | 12/14/88 | 54 | 50 | | | U | ppb | 100 | H000B1Q8 | ASTM D-1426-D |
| 299-W19-21 | Ammonium ion | 11/02/89 | 54 | 50 | 7 | | U | ppb | 100 | H000B1R0 | ASTM D-1426-D |
| 299-W19-21 | Ammonium ion | 6/30/93 | 54 | 39 | | | U | ppb | 100 | B08MQ1 | ASTM D-1426-D |
| 299-W19-21 | Aniline | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Aniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Antimony | 11/02/89 | 35 | 100 | 14 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Antimony | 2/03/93 | 34 | 200 | | | U | ppb | 200 | B08413 | SW-846 6010 |
| 299-W19-21 | Antimony | 6/30/93 | 34 | 69 | | | U | ppb | 200 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 1/22/88 | 34 | 100 | | Y | U | ppb | 200 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 8/19/88 | 34 | 100 | | Y | U | ppb | 200 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 12/14/88 | 34 | 100 | | Y | U | ppb | 200 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 11/02/89 | 34 | 100 | 14 | Y | U | ppb | 200 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 4/04/90 | 34 | 100 | 14 | Y | U | ppb | 200 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 4/30/92 | 34 | 200 | | Y | U | ppb | 200 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 8/12/92 | 34 | 200 | | Y | U | ppb | 200 | B074M2 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 12/07/92 | 34 | | | Y | U | ppb | 200 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 2/03/93 | 34 | 200 | | Y | U | ppb | 200 | B08414 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 6/30/93 | 34 | 69 | | Y | U | ppb | 200 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Antimony, filtered | 8/26/93 | 34 | 69 | | Y | U | ppb | 200 | B091J1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Antimony-125 | 2/03/93 | 140 | 1 | 15 | | U | pCi/L | | B08413 | ITAS Gamma Scan |
| 299-W19-21 | Aramite | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Aramite | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1016 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1016 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1221 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1221 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1232 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1232 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1242 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1242 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1248 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1248 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1254 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1254 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Aroclor-1260 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Aroclor-1260 | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Arsenic | 1/22/88 | 43 | 18 | | | | ppb | 5 | H000B1Q3 | SW-846 7060 |
| 299-W19-21 | Arsenic | 11/02/89 | 43 | 14 | 4 | | | ppb | 5 | H000B1R0 | SW-846 7060 |
| 299-W19-21 | Arsenic | 6/30/93 | 43 | 14 | 11 | | | ppb | 5 | B08MQ1 | SW-846 7060 |
| 299-W19-21 | Arsenic, filtered | 1/22/88 | 76 | 14 | | Y | | ppb | | H000B1Q3 | |
| 299-W19-21 | Arsenic, filtered | 11/02/89 | 76 | 13 | 4 | Y | | ppb | | H000B1R0 | |
| 299-W19-21 | Arsenic, filtered | 6/30/93 | 43 | 14 | 11 | Y | | ppb | 5 | B08MQ2 | SW-846 7060 |
| 299-W19-21 | Auramine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Auramine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Barium | 1/22/88 | 35 | 16 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Barium | 11/02/89 | 35 | 23 | 3 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Barium | 2/03/93 | 34 | 20 | 3 | | | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Barium | 6/30/93 | 34 | 23 | 0 | | | ppb | 20 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 1/22/88 | 34 | 16 | | Y | | ppb | 20 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 8/19/88 | 34 | 18 | | Y | | ppb | 20 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 12/14/88 | 34 | 18 | | Y | | ppb | 20 | H000B1Q8 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Barium, filtered | 11/02/89 | 34 | 19 | 3 | Y | | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 4/04/90 | 34 | 20 | 3 | Y | | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 4/30/92 | 34 | 20 | 3 | Y | | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 8/12/92 | 34 | 21 | 3 | Y | | ppb | 20 | B074M2 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 12/07/92 | 34 | 20 | 3 | Y | | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 2/03/93 | 34 | 20 | 3 | Y | | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 6/30/93 | 34 | 22 | 0 | Y | | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Barium, filtered | 8/26/93 | 34 | 23 | 0 | Y | | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Benz[c]acridine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benz[c]acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzene | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Benzene | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Benzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Benzene | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Benzene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Benzene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Benzene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Benzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Benzene, dichloromethyl- | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzene, dichloromethyl- | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzenethiol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzenethiol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzidine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzo(a)anthracene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzo(a)anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzo(a)pyrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzo(a)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzo(b)fluoranthene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzo(b)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzo(ghi)perylene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Benzo(j)fluoranthene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzo(j)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzo(k)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzyl alcohol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Benzyl chloride | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Benzyl chloride | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Beryllium | 11/02/89 | 35 | 5 | 1 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Beryllium | 2/03/93 | 34 | 3 | | | U | ppb | 3 | B08413 | SW-846 6010 |
| 299-W19-21 | Beryllium | 6/30/93 | 34 | 1 | | | U | ppb | 3 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 1/22/88 | 34 | 5 | | Y | U | ppb | 3 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 8/19/88 | 34 | 5 | | Y | U | ppb | 3 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 12/14/88 | 34 | 5 | | Y | U | ppb | 3 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 11/02/89 | 34 | 5 | 1 | Y | U | ppb | 3 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 4/04/90 | 34 | 5 | 1 | Y | U | ppb | 3 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 4/30/92 | 34 | 3 | | Y | U | ppb | 3 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 8/12/92 | 34 | 3 | | Y | U | ppb | 3 | B074M2 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 12/07/92 | 34 | | | Y | U | ppb | 3 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 2/03/93 | 34 | 3 | | Y | U | ppb | 3 | B08414 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 6/30/93 | 34 | 1 | | Y | U | ppb | 3 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Beryllium, filtered | 8/26/93 | 34 | 1 | | Y | U | ppb | 3 | B091J1 | SW-846 6010 |
| 299-W19-21 | Beta-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Beta-BHC | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Bis(2-Choroethoxy)methane | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Bis(2-Choroethoxy)methane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Bis(2-chloro-1-methylethyl)ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Bis(2-chloroethyl) ether | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Bis(2-chloroethyl) ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Bis(2-chloroisopropyl) ether | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Bis(2-chloroisopropyl) ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Bis(2-ethylhexyl) phthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Bis(2-ethylhexyl) phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Bis(chloromethyl) ether | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Bis(chloromethyl) ether | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Bis(chloromethyl) ether | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Boron | 11/02/89 | 35 | 20 | 5 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Boron, filtered | 11/02/89 | 34 | 23 | 5 | Y | | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Boron, filtered | 4/04/90 | 34 | 20 | 5 | Y | | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Bromide | 11/02/89 | 46 | 1000 | 111 | | U | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Bromide | 4/04/90 | 46 | 1000 | 111 | | U | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Bromide | 3/09/92 | 124 | 500 | | | U | ppb | 500 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Bromide | 4/30/92 | 124 | 500 | | | U | ppb | 500 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Bromide | 12/07/92 | 124 | 500 | | | U | ppb | 500 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Bromide | 2/03/93 | 124 | 500 | | | U | ppb | 500 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Bromide | 6/30/93 | 124 | 53 | | | U | ppb | 500 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Bromoacetone | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Bromoacetone | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Bromoacetone | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Bromodichloromethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Bromoform | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Bromoform | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Bromoform | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Butylbenzylphthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Butylbenzylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Cadmium | 1/22/88 | 35 | 2 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Cadmium | 11/02/89 | 35 | 2 | 1 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Cadmium | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08413 | SW-846 6010 |
| 299-W19-21 | Cadmium | 6/30/93 | 34 | 5 | | | U | ppb | 10 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 1/22/88 | 34 | 2 | | Y | U | ppb | 10 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 8/19/88 | 34 | 2 | | Y | U | ppb | 10 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 12/14/88 | 34 | 2 | | Y | U | ppb | 10 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 11/02/89 | 34 | 2 | 1 | Y | U | ppb | 10 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 4/04/90 | 34 | 2 | 1 | Y | U | ppb | 10 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 4/30/92 | 34 | 10 | | Y | U | ppb | 10 | B06DY1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Cadmium, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074M2 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 12/07/92 | 34 | | | Y | U | ppb | 10 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 2/03/93 | 34 | 10 | | Y | U | ppb | 10 | B08414 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 6/30/93 | 34 | 5 | | Y | U | ppb | 10 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Cadmium, filtered | 8/26/93 | 34 | 5 | | Y | U | ppb | 10 | B091J1 | SW-846 6010 |
| 299-W19-21 | Calcium | 1/22/88 | 35 | 16800 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Calcium | 11/02/89 | 35 | 17900 | 2300 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Calcium | 2/03/93 | 34 | 20000 | | | | ppb | 100 | B08413 | SW-846 6010 |
| 299-W19-21 | Calcium | 6/30/93 | 34 | 21000 | 6360 | | | ppb | 100 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 1/22/88 | 34 | 16600 | | Y | | ppb | 100 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 8/19/88 | 34 | 15700 | | Y | | ppb | 100 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 12/14/88 | 34 | 20200 | | Y | | ppb | 100 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 11/02/89 | 34 | 18100 | 2330 | Y | | ppb | 100 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 4/04/90 | 34 | 17400 | 2240 | Y | | ppb | 100 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 4/30/92 | 34 | 20000 | | Y | | ppb | 100 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 8/12/92 | 34 | 20000 | | Y | | ppb | 100 | B074M2 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 12/07/92 | 34 | 20000 | | Y | | ppb | 100 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 2/03/93 | 34 | 20000 | | Y | | ppb | 100 | B08414 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 6/30/93 | 34 | 21000 | 6360 | Y | | ppb | 100 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Calcium, filtered | 8/26/93 | 34 | 23000 | 6970 | Y | | ppb | 100 | B091J1 | SW-846 6010 |
| 299-W19-21 | Carbon disulfide | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Carbon disulfide | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Carbon disulfide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 1/22/88 | 16 | 3 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 12/14/88 | 16 | 3 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 4/04/90 | 16 | 4 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 3/09/92 | 16 | 3 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 4/30/92 | 16 | 3 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 8/12/92 | 16 | 3 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Carbon tetrachloride | 12/07/92 | 16 | 5 | | | | ppb | 5 | B07QG1 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Carbon tetrachloride | 2/03/93 | 16 | 4 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Carbonphenothion | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Cesium-137 | 7/11/86 | 77 | 2 | 5 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Cesium-137 | 8/05/86 | 77 | -5 | 9 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Cesium-137 | 9/17/86 | 77 | -6 | 7 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Cesium-137 | 10/06/86 | 77 | -3 | 7 | | U | pCi/L | | H000B1P0 | |
| 299-W19-21 | Cesium-137 | 11/05/86 | 77 | 1 | 2 | | U | pCi/L | | H000B1P1 | |
| 299-W19-21 | Cesium-137 | 12/11/86 | 77 | -4 | 10 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Cesium-137 | 1/05/87 | 77 | 2 | 5 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Cesium-137 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Cesium-137 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Cesium-137 | 4/19/87 | 77 | 1 | 7 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Cesium-137 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Cesium-137 | 8/18/87 | 77 | 7 | 4 | | | pCi/L | | H000B1P8 | |
| 299-W19-21 | Cesium-137 | 9/16/87 | 77 | -2 | 6 | | U | pCi/L | | H000B1P9 | |
| 299-W19-21 | Cesium-137 | 10/12/87 | 77 | 2 | 6 | | U | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Cesium-137 | 11/11/87 | 77 | 1 | 4 | | U | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Cesium-137 | 12/08/87 | 77 | 4 | 8 | | U | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Cesium-137 | 1/22/88 | 77 | -2 | 7 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Cesium-137 | 5/18/88 | 77 | -1 | 8 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Cesium-137 | 8/19/88 | 77 | 0 | 7 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Cesium-137 | 1/04/89 | 77 | 2 | 6 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Cesium-137 | 11/02/89 | 77 | -4 | 6 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Cesium-137 | 2/03/93 | 140 | 4 | 6 | | U | pCi/L | 20 | B08413 | ITAS Gamma Scan |
| 299-W19-21 | Chlordane | 11/02/89 | 17 | 1 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Chlordane | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Chloride | 1/22/88 | 46 | 1110 | | | | ppb | | H000B1Q3 | EPA 300.0 |
| 299-W19-21 | Chloride | 8/19/88 | 46 | 873 | | | | ppb | | H000B1Q6 | EPA 300.0 |
| 299-W19-21 | Chloride | 12/14/88 | 46 | 1000 | | | | ppb | | H000B1Q8 | EPA 300.0 |
| 299-W19-21 | Chloride | 11/02/89 | 46 | 1400 | 147 | | | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Chloride | 4/04/90 | 46 | 1200 | 127 | | | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Chloride | 3/09/92 | 124 | 1000 | 337 | | | ppb | 200 | B01VY2 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Chloride | 4/30/92 | 124 | 1200 | 404 | | | ppb | 200 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Chloride | 8/12/92 | 124 | 1200 | 404 | | | ppb | 200 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Chloride | 12/07/92 | 124 | 1600 | 539 | | | ppb | 200 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Chloride | 2/03/93 | 124 | 1200 | 404 | | | ppb | 200 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Chloride | 6/30/93 | 124 | 1200 | 199 | | | ppb | 200 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Chlornaphazine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Chlornaphazine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Chloroalkyl ethers | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Chloroalkyl ethers | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Chlorobenzene | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Chlorobenzene | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Chlorobenzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Chlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Chlorobenzilate | 11/02/89 | 17 | 300 | 75 | | U | ppb | | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Chloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Chloroform | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Chloroform | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Chloroform | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Chloroform | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Chloroform | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Chloroform | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Chloroform | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Chloroform | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Chloroform | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Chloromethyl methyl ether | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Chloromethyl methyl ether | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Chloromethyl methyl ether | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Chromium | 1/22/88 | 35 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Chromium | 11/02/89 | 35 | 10 | 5 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Chromium | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Chromium | 6/30/93 | 34 | 5 | | | U | ppb | 20 | B08MQ1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Chromium, filtered | 1/22/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 8/19/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 12/14/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 11/02/89 | 34 | 10 | 5 | Y | U | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 4/04/90 | 34 | 10 | 5 | Y | U | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074M2 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 12/07/92 | 34 | | | Y | U | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 6/30/93 | 34 | 5 | | Y | U | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Chromium, filtered | 8/26/93 | 34 | 5 | | Y | U | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Chrysene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Chrysene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Citrus red No. 2 | 11/02/89 | 39 | 1000 | 135 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Cobalt | 11/02/89 | 35 | 20 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Cobalt | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Cobalt | 6/30/93 | 34 | 4 | | | U | ppb | 20 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 11/02/89 | 34 | 20 | 3 | Y | U | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 4/04/90 | 34 | 20 | 3 | Y | U | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074M2 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 12/07/92 | 34 | | | Y | U | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 6/30/93 | 34 | 4 | | Y | U | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Cobalt, filtered | 8/26/93 | 34 | 4 | 1 | Y | L | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Cobalt-60 | 7/11/86 | 77 | 3 | 4 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Cobalt-60 | 8/05/86 | 77 | -1 | 10 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Cobalt-60 | 9/17/86 | 77 | -1 | 7 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Cobalt-60 | 10/06/86 | 77 | -4 | 8 | | U | pCi/L | | H000B1P0 | |
| 299-W19-21 | Cobalt-60 | 11/05/86 | 77 | -9 | 10 | | U | pCi/L | | H000B1P1 | |
| 299-W19-21 | Cobalt-60 | 12/11/86 | 77 | -18 | 16 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Cobalt-60 | 1/05/87 | 77 | -4 | 7 | | U | pCi/L | | H000B1P3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Cobalt-60 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Cobalt-60 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Cobalt-60 | 4/19/87 | 77 | 6 | 6 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Cobalt-60 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Cobalt-60 | 8/18/87 | 77 | 3 | 4 | | U | pCi/L | | H000B1P8 | |
| 299-W19-21 | Cobalt-60 | 9/16/87 | 77 | -5 | 6 | | U | pCi/L | | H000B1P9 | |
| 299-W19-21 | Cobalt-60 | 10/12/87 | 77 | 3 | 8 | | U | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Cobalt-60 | 11/11/87 | 77 | 1 | 2 | | U | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Cobalt-60 | 12/08/87 | 77 | 4 | 4 | | U | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Cobalt-60 | 1/22/88 | 77 | -5 | 7 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Cobalt-60 | 5/18/88 | 77 | -1 | 4 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Cobalt-60 | 8/19/88 | 77 | -1 | 4 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Cobalt-60 | 1/04/89 | 77 | 3 | 6 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Cobalt-60 | 11/02/89 | 77 | -2 | 6 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Cobalt-60 | 2/03/93 | 140 | -5 | 7 | | U | pCi/L | | B08413 | ITAS Gamma Scan |
| 299-W19-21 | Copper | 1/22/88 | 35 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Copper | 11/02/89 | 35 | 10 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Copper | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Copper | 6/30/93 | 34 | 3 | | | U | ppb | 20 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 1/22/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 8/19/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 12/14/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 11/02/89 | 34 | 10 | 3 | Y | U | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 4/04/90 | 34 | 10 | 3 | Y | U | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074M2 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 12/07/92 | 34 | | | Y | U | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 6/30/93 | 34 | 3 | | Y | U | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Copper, filtered | 8/26/93 | 34 | 3 | | Y | U | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Cresols (methylphenols) | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Cresols (methylphenols) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Crotonaldehyde | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Crotonaldehyde | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Crotonaldehyde | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Cyanide | 1/22/88 | 56 | 10 | | | U | ppb | 20 | H000B1Q3 | SW-846 9010 |
| 299-W19-21 | Cyanide | 8/19/88 | 56 | 10 | | | U | ppb | 20 | H000B1Q6 | SW-846 9010 |
| 299-W19-21 | Cyanide | 12/14/88 | 56 | 10 | | | U | ppb | 20 | H000B1Q8 | SW-846 9010 |
| 299-W19-21 | Cyanide | 11/02/89 | 56 | 10 | 3 | | U | ppb | 20 | H000B1R0 | SW-846 9010 |
| 299-W19-21 | Cyanide | 3/09/92 | 56 | 20 | | | U | ppb | 20 | B01VD1 | SW-846 9010 |
| 299-W19-21 | Cyanide | 6/30/93 | 56 | 2 | 1 | | L | ppb | 20 | B08MQ1 | SW-846 9010 |
| 299-W19-21 | Delta-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Delta-BHC | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Di-n-butylphthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Di-n-butylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Di-n-octylphthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Di-n-octylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Diallate | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | Dibenz(a,j)acridine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenz(a,j)acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenz[a,h]acridine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenz[a,h]acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenz[a,h]anthracene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenz[a,h]anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenzo(a,e)pyrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenzo(a,e)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenzo[a,h]pyrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenzo[a,h]pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenzo[a,i]pyrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dibenzo[a,i]pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibenzofuran | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dibromochloromethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Dibromomethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Dibromomethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Dibromomethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Dibutyl Phosphate | 11/02/89 | 57 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dichlorodifluoromethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Dichlorodifluoromethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Dichlorodifluoromethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Dieldrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Dieldrin | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Diethyl phthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Diethyl phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Diethylarsine | 1/22/88 | 76 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Diethylarsine | 8/19/88 | 76 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | Diethylstilbesterol | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dihydrosafrole | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dihydrosafrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dimethoate | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Dimethyl phthalate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Dimethyl phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Dinoseb | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Diphenylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Diphenylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Disulfoton | 11/02/89 | 29 | 2 | 1 | | U | ppb | 2 | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Disulfoton | 6/30/93 | 29 | 0 | | | U | ppb | 2 | B08MQ1 | SW-846 8140 |
| 299-W19-21 | Endosulfan I | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Endosulfan I | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Endosulfan II | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Endosulfan II | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Endosulfan sulfate | 11/02/89 | 17 | 1 | 0 | | U | ppb | 1 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Endosulfan sulfate | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Endrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Endrin | 6/30/93 | 17 | 0 | | | L | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Endrin Aldehyde | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Ethanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Ethyl carbamate (Urethane) | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethyl cyanide | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethyl methacrylate | 1/22/88 | 50 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Ethyl methacrylate | 8/19/88 | 50 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | Ethyl methacrylate | 11/02/89 | 50 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethyl methanesulfonate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Ethyl methanesulfonate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethylbenzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Ethylene Glycol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethylene oxide | 1/22/88 | 16 | 3000 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Ethylene oxide | 8/19/88 | 16 | 3000 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Ethylene oxide | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Ethyleneimine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Ethyleneimine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ethylenethiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Fluoranthene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Fluorene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Fluoride | 3/09/92 | 124 | 200 | 42 | | | ppb | 100 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Fluoride | 4/30/92 | 124 | 200 | 42 | | | ppb | 100 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Fluoride | 8/12/92 | 124 | 200 | 42 | | | ppb | 100 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Fluoride | 12/07/92 | 124 | 200 | 42 | | | ppb | 100 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Fluoride | 2/03/93 | 124 | 200 | 42 | | | ppb | 100 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Fluoride | 6/30/93 | 124 | 400 | 26 | | | ppb | 100 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Fluorine | 1/22/88 | 46 | 500 | | | U | ppb | | H000B1Q3 | EPA 300.0 |
| 299-W19-21 | Fluorine | 8/19/88 | 46 | 500 | | | U | ppb | | H000B1Q6 | EPA 300.0 |
| 299-W19-21 | Fluorine | 8/19/88 | 47 | 231 | | | | ppb | | H000B1Q6 | |
| 299-W19-21 | Fluorine | 12/14/88 | 46 | 500 | | | U | ppb | | H000B1Q8 | EPA 300.0 |
| 299-W19-21 | Fluorine | 11/02/89 | 46 | 500 | 56 | | U | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Fluorine | 11/02/89 | 47 | 205 | 23 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Fluorine | 4/04/90 | 46 | 500 | 56 | | U | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Formaldehyde | 1/22/88 | 16 | 500 | | | U | ppb | | H000B1Q3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Formaldehyde | 8/19/88 | 16 | 500 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Formaldehyde | 11/02/89 | 16 | 500 | 175 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Gross alpha | 7/11/86 | 77 | 16 | 3 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Gross alpha | 8/05/86 | 77 | 18 | 4 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Gross alpha | 9/17/86 | 77 | 14 | 3 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Gross alpha | 10/06/86 | 77 | 13 | 3 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Gross alpha | 11/05/86 | 77 | 19 | 4 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Gross alpha | 12/11/86 | 77 | 11 | 2 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Gross alpha | 1/05/87 | 77 | 12 | 3 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Gross alpha | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Gross alpha | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Gross alpha | 4/19/87 | 77 | 17 | 3 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Gross alpha | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Gross alpha | 8/18/87 | 77 | 18 | 4 | | | pCi/L | | H000B1P8 | |
| 299-W19-21 | Gross alpha | 9/16/87 | 77 | 20 | 4 | | | pCi/L | | H000B1P9 | |
| 299-W19-21 | Gross alpha | 10/12/87 | 77 | 19 | 4 | | | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Gross alpha | 11/11/87 | 77 | 17 | 3 | | | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Gross alpha | 12/08/87 | 77 | 17 | 3 | | | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Gross alpha | 1/22/88 | 77 | 16 | 3 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Gross alpha | 5/18/88 | 77 | 15 | 3 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Gross alpha | 8/19/88 | 77 | 13 | 3 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Gross alpha | 1/04/89 | 77 | 12 | 4 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Gross alpha | 11/02/89 | 77 | 12 | 3 | | | pCi/L | | H000B1R0 | |
| 299-W19-21 | Gross alpha | 4/04/90 | 77 | 14 | 5 | | | pCi/L | | H000B1R1 | |
| 299-W19-21 | Gross alpha | 12/03/91 | 135 | 26 | 6 | | | pCi/L | 4 | H00072Z3 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 3/09/92 | 135 | 18 | 5 | | | pCi/L | 4 | B01VY2 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 4/30/92 | 135 | 12 | 4 | | | pCi/L | 4 | B06DX9 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 8/12/92 | 135 | 15 | 5 | | | pCi/L | 4 | B074M1 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 12/07/92 | 135 | 16 | 4 | | | pCi/L | 4 | B07QG1 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 2/03/93 | 135 | 13 | 4 | | | pCi/L | 4 | B08413 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 6/30/93 | 135 | 18 | 5 | | | pCi/L | 4 | B08MQ1 | SW-846 9310, Alpha |
| 299-W19-21 | Gross alpha | 8/26/93 | 135 | 19 | 5 | | | pCi/L | 4 | B091H9 | SW-846 9310, Alpha |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Gross beta | 7/11/86 | 77 | 52 | 7 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Gross beta | 8/05/86 | 77 | 82 | 10 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Gross beta | 9/17/86 | 77 | 69 | 9 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Gross beta | 10/06/86 | 77 | 43 | 6 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Gross beta | 11/05/86 | 77 | 26 | 4 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Gross beta | 12/11/86 | 77 | 17 | 3 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Gross beta | 1/05/87 | 77 | 17 | 3 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Gross beta | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Gross beta | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Gross beta | 4/19/87 | 77 | 13 | 3 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Gross beta | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Gross beta | 8/18/87 | 77 | 14 | 3 | | | pCi/L | | H000B1P8 | |
| 299-W19-21 | Gross beta | 9/16/87 | 77 | 8 | 2 | | | pCi/L | | H000B1P9 | |
| 299-W19-21 | Gross beta | 10/12/87 | 77 | 9 | 2 | | | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Gross beta | 11/11/87 | 77 | 8 | 2 | | | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Gross beta | 12/08/87 | 77 | 11 | 3 | | | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Gross beta | 1/22/88 | 77 | 9 | 2 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Gross beta | 5/18/88 | 77 | 8 | 2 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Gross beta | 8/19/88 | 77 | 9 | 2 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Gross beta | 1/04/89 | 77 | 12 | 3 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Gross beta | 11/02/89 | 77 | 4 | 2 | | | pCi/L | | H000B1R0 | |
| 299-W19-21 | Gross beta | 4/04/90 | 77 | 3 | 2 | | | pCi/L | | H000B1R1 | |
| 299-W19-21 | Gross beta | 12/03/91 | 136 | 5 | 2 | | | pCi/L | 8 | H00072Z3 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 3/09/92 | 136 | 4 | 2 | | U | pCi/L | 8 | B01VY2 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 4/30/92 | 136 | 7 | 3 | | U | pCi/L | 8 | B06DX9 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 8/12/92 | 136 | 3 | 2 | | U | pCi/L | 8 | B074M1 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 12/07/92 | 136 | 10 | 3 | | | pCi/L | 8 | B07QG1 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 2/03/93 | 136 | 6 | 3 | | U | pCi/L | 8 | B08413 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 6/30/93 | 136 | 9 | 3 | | | pCi/L | 8 | B08MQ1 | SW-846 9310, Beta |
| 299-W19-21 | Gross beta | 8/26/93 | 136 | 6 | 3 | | | pCi/L | 8 | B091H9 | SW-846 9310, Beta |
| 299-W19-21 | Heptachlor | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Heptachlor | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Heptachlor epoxide | 11/02/89 | 17 | 0 | 0 | | U | ppb | 1 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Heptachlor epoxide | 6/30/93 | 17 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Hexachlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hexachlorobutadiene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachlorobutadiene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hexachlorocyclopentadiene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachlorocyclopentadiene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hexachloroethane | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachloroethane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hexachlorophene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachlorophene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hexachloropropene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hexachloropropene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Hydrazine | 11/02/89 | 36 | 30 | 5 | | U | ppb | 30 | H000B1R0 | ASTM D-1385 |
| 299-W19-21 | Hydrogen sulfide | 1/22/88 | 76 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Hydrogen sulfide | 8/19/88 | 76 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | Indeno(1,2,3-cd)pyrene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Indeno(1,2,3-cd)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Iodine-129 | 4/04/90 | 77 | 0 | 0 | | U | pCi/L | | H000B1R1 | |
| 299-W19-21 | Iodine-129 | 3/09/92 | 139 | -0 | 0 | | U | pCi/L | 1 | B01VD1 | ITAS I-129 Low Level |
| 299-W19-21 | Iron | 1/22/88 | 35 | 66 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Iron | 11/02/89 | 35 | 91 | 14 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Iron | 2/03/93 | 34 | 50 | 43 | | | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Iron | 6/30/93 | 34 | 300 | 134 | | | ppb | 20 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 1/22/88 | 34 | 30 | | Y | U | ppb | 20 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 8/19/88 | 34 | 30 | | Y | U | ppb | 20 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 12/14/88 | 34 | 39 | | Y | | ppb | 20 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 11/02/89 | 34 | 30 | 10 | Y | U | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 4/04/90 | 34 | 30 | 10 | Y | U | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 8/12/92 | 34 | 37 | 32 | Y | | ppb | 20 | B074M2 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Iron, filtered | 12/07/92 | 34 | | | Y | U | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 6/30/93 | 34 | 24 | 11 | Y | | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Iron, filtered | 8/26/93 | 34 | 15 | 7 | Y | L | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Isobutyl alcohol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Isodrin | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | Isophorone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Isosafrole | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Isosafrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Kepone | 11/02/89 | 17 | 1 | 0 | | U | ppb | | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Kerosene | 1/22/88 | 21 | 10000 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Kerosene | 11/02/89 | 21 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Lead | 1/22/88 | 76 | 5 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Lead | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Lead | 6/30/93 | 40 | 1 | 0 | | L | ppb | 5 | B08MQ1 | SW-846 7421 |
| 299-W19-21 | Lead, filtered | 1/22/88 | 40 | 5 | | Y | U | ppb | 5 | H000B1Q3 | SW-846 7421 |
| 299-W19-21 | Lead, filtered | 12/14/88 | 40 | 5 | | Y | U | ppb | 5 | H000B1Q8 | SW-846 7421 |
| 299-W19-21 | Lead, filtered | 11/02/89 | 40 | 5 | 3 | Y | U | ppb | 5 | H000B1R0 | SW-846 7421 |
| 299-W19-21 | Lead, filtered | 6/30/93 | 40 | 1 | | Y | U | ppb | 5 | B08MQ2 | SW-846 7421 |
| 299-W19-21 | Lithium | 11/02/89 | 34 | 10 | 2 | Y | U | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Lithium | 11/02/89 | 35 | 10 | 2 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Lithium | 4/04/90 | 34 | 10 | 2 | Y | U | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Magnesium | 1/22/88 | 35 | 5550 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Magnesium | 11/02/89 | 35 | 6260 | 1020 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Magnesium | 2/03/93 | 34 | 7100 | | | | ppb | 100 | B08413 | SW-846 6010 |
| 299-W19-21 | Magnesium | 6/30/93 | 34 | 7600 | 3990 | | | ppb | 100 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 1/22/88 | 34 | 5390 | | Y | | ppb | 100 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 8/19/88 | 34 | 5720 | | Y | | ppb | 100 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 12/14/88 | 34 | 6400 | | Y | | ppb | 100 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 11/02/89 | 34 | 6250 | 1020 | Y | | ppb | 100 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 4/04/90 | 34 | 6040 | 983 | Y | | ppb | 100 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 4/30/92 | 34 | 6800 | | Y | | ppb | 100 | B06DY1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Magnesium, filtered | 8/12/92 | 34 | 6900 | | Y | | ppb | 100 | B074M2 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 12/07/92 | 34 | 6900 | | Y | | ppb | 100 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 2/03/93 | 34 | 7000 | | Y | | ppb | 100 | B08414 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 6/30/93 | 34 | 7700 | 4040 | Y | | ppb | 100 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Magnesium, filtered | 8/26/93 | 34 | 7700 | 4040 | Y | | ppb | 100 | B091J1 | SW-846 6010 |
| 299-W19-21 | Maleic hydrazide | 1/22/88 | 21 | 500 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Maleic hydrazide | 11/02/89 | 21 | 500 | 175 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Malononitrile | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Malononitrile | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Manganese | 1/22/88 | 35 | 9 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Manganese | 11/02/89 | 35 | 5 | 2 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Manganese | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08413 | SW-846 6010 |
| 299-W19-21 | Manganese | 6/30/93 | 34 | 1 | | | U | ppb | 10 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 1/22/88 | 34 | 5 | | Y | U | ppb | 10 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 8/19/88 | 34 | 5 | | Y | U | ppb | 10 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 12/14/88 | 34 | 5 | | Y | U | ppb | 10 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 11/02/89 | 34 | 5 | 2 | Y | U | ppb | 10 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 4/04/90 | 34 | 5 | 2 | Y | U | ppb | 10 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 4/30/92 | 34 | 10 | | Y | U | ppb | 10 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074M2 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 12/07/92 | 34 | | | Y | U | ppb | 10 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 2/03/93 | 34 | 10 | | Y | U | ppb | 10 | B08414 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 6/30/93 | 34 | 1 | | Y | U | ppb | 10 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Manganese, filtered | 8/26/93 | 34 | 3 | 1 | Y | L | ppb | 10 | B091J1 | SW-846 6010 |
| 299-W19-21 | Melphalan | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Melphalan | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Mercury | 6/30/93 | 41 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 7470 |
| 299-W19-21 | Mercury, filtered | 1/22/88 | 41 | 0 | | Y | U | ppb | 0 | H000B1Q3 | SW-846 7470 |
| 299-W19-21 | Mercury, filtered | 11/02/89 | 41 | 0 | 0 | Y | U | ppb | 0 | H000B1R0 | SW-846 7470 |
| 299-W19-21 | Mercury, filtered | 6/30/93 | 41 | 0 | | Y | U | ppb | 0 | B08MQ2 | SW-846 7470 |
| 299-W19-21 | Methacrylonitrile | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methacrylonitrile | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Methacrylonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methanethiol | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methanethiol | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methanethiol | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methapyrilene | 1/22/88 | 19 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | Methapyrilene | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | Metholonyl | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Metholonyl | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Methoxychlor | 11/02/89 | 17 | 3 | 1 | | U | ppb | 2 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | Methoxychlor | 6/30/93 | 17 | 0 | | | U | ppb | 2 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Methyl Iodide | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methyl Iodide | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methyl Iodide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methyl bromide | 1/22/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methyl bromide | 8/19/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methyl bromide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methyl chloride | 1/22/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methyl chloride | 8/19/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methyl chloride | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 1/22/88 | 16 | 10 | | | U | ppb | 100 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 8/19/88 | 16 | 10 | | | U | ppb | 100 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 12/14/88 | 16 | 10 | | | U | ppb | 100 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 100 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 4/04/90 | 16 | 10 | 4 | | U | ppb | 100 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 3/09/92 | 16 | 100 | | | U | ppb | 100 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 4/30/92 | 16 | 100 | | | U | ppb | 100 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074M1 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 12/07/92 | 16 | 100 | | | U | ppb | 100 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Methyl ethyl ketone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08413 | SW-846 8240 |
| 299-W19-21 | Methyl methacrylate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Methyl methacrylate | 8/19/88 | 21 | 10 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | Methyl methacrylate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Methyl methanesulfonate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Methyl methanesulfonate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Methyl parathion | 11/02/89 | 29 | 2 | 1 | | U | ppb | 1 | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Methyl parathion | 6/30/93 | 29 | 0 | | | U | ppb | 1 | B08MQ1 | SW-846 8140 |
| 299-W19-21 | Methylene chloride | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 12/14/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Methylene chloride | 2/03/93 | 16 | 2 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Methylthiouracil | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Methylthiouracil | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Molybdenum | 11/02/89 | 34 | 40 | 5 | Y | U | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Molybdenum | 11/02/89 | 35 | 40 | 5 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Molybdenum | 4/04/90 | 34 | 40 | 5 | Y | U | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Monobutyl Phosphate | 11/02/89 | 57 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N,N-Diethylhydrazine | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | N,N-Diethylhydrazine | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | N,N-Diethylhydrazine | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | N-Nitroso-N-methylurethane | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitroso-N-methylurethane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitroso-di-n-dipropylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitroso-di-n-dipropylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosodi-n-butylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosodi-n-butylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosodiethanolamine | 1/22/88 | 79 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosodiethanolamine | 11/02/89 | 79 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosodiethylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | N-Nitrosodiethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosodimethylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosodimethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosodiphenylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosomethylethylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosomethylethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosomethylvinylamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosomethylvinylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosomorpholine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosomorpholine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosonornicotine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosonornicotine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Nitrosopiperidine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | N-Nitrosopiperidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Phenylthiourea | 11/02/89 | 18 | 500 | 150 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | N-Propylamine | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Naphthalene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Naphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Nickel | 1/22/88 | 35 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Nickel | 11/02/89 | 35 | 10 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Nickel | 2/03/93 | 34 | 30 | | | U | ppb | 30 | B08413 | SW-846 6010 |
| 299-W19-21 | Nickel | 6/30/93 | 34 | 18 | | | U | ppb | 30 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 1/22/88 | 34 | 10 | | Y | U | ppb | 30 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 8/19/88 | 34 | 10 | | Y | U | ppb | 30 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 12/14/88 | 34 | 10 | | Y | U | ppb | 30 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 11/02/89 | 34 | 10 | 3 | Y | U | ppb | 30 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 4/04/90 | 34 | 10 | 3 | Y | U | ppb | 30 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 4/30/92 | 34 | 30 | | Y | U | ppb | 30 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 8/12/92 | 34 | 30 | | Y | U | ppb | 30 | B074M2 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 12/07/92 | 34 | | | Y | U | ppb | 30 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 2/03/93 | 34 | 30 | | Y | U | ppb | 30 | B08414 | SW-846 6010 |
| 299-W19-21 | Nickel, filtered | 6/30/93 | 34 | 18 | | Y | U | ppb | 30 | B08MQ2 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Nickel, filtered | 8/26/93 | 34 | 18 | | Y | U | ppb | 30 | B091J1 | SW-846 6010 |
| 299-W19-21 | Nicotinic acid | 1/22/88 | 21 | 100 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Nicotinic acid | 11/02/89 | 21 | 100 | 35 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Nitrate | 7/11/86 | 76 | 1 | 0 | | | ppm | | H000B1N7 | |
| 299-W19-21 | Nitrate | 8/05/86 | 76 | 1 | 0 | | | ppm | | H000B1N8 | |
| 299-W19-21 | Nitrate | 9/17/86 | 76 | 2 | 0 | | | ppm | | H000B1N9 | |
| 299-W19-21 | Nitrate | 10/06/86 | 46 | 824 | | | | ppb | | H000B1P0 | EPA 300.0 |
| 299-W19-21 | Nitrate | 11/05/86 | 46 | 500 | | | U | ppb | | H000B1P1 | EPA 300.0 |
| 299-W19-21 | Nitrate | 12/11/86 | 46 | 1900 | | | | ppb | | H000B1P2 | EPA 300.0 |
| 299-W19-21 | Nitrate | 1/05/87 | 46 | 3020 | | | | ppb | | H000B1P3 | EPA 300.0 |
| 299-W19-21 | Nitrate | 2/09/87 | 46 | | | | | ppb | | H000B1P4 | EPA 300.0 |
| 299-W19-21 | Nitrate | 3/11/87 | 46 | | | | | ppb | | H000B1P5 | EPA 300.0 |
| 299-W19-21 | Nitrate | 4/19/87 | 46 | 1260 | | | | ppb | | H000B1P6 | EPA 300.0 |
| 299-W19-21 | Nitrate | 5/10/87 | 46 | | | | | ppb | | H000B1P7 | EPA 300.0 |
| 299-W19-21 | Nitrate | 8/18/87 | 46 | 2500 | | | U | ppb | | H000B1P8 | EPA 300.0 |
| 299-W19-21 | Nitrate | 9/16/87 | 46 | 2500 | | | U | ppb | | H000B1P9 | EPA 300.0 |
| 299-W19-21 | Nitrate | 10/12/87 | 46 | 2500 | | | U | ppb | | H000B1Q0 | EPA 300.0 |
| 299-W19-21 | Nitrate | 11/11/87 | 46 | 2500 | | | U | ppb | | H000B1Q1 | EPA 300.0 |
| 299-W19-21 | Nitrate | 12/08/87 | 46 | 2500 | | | U | ppb | | H000B1Q2 | EPA 300.0 |
| 299-W19-21 | Nitrate | 1/22/88 | 46 | 500 | | | U | ppb | | H000B1Q3 | EPA 300.0 |
| 299-W19-21 | Nitrate | 1/22/88 | 46 | 2500 | | | U | ppb | | H000B1Q4 | EPA 300.0 |
| 299-W19-21 | Nitrate | 5/18/88 | 46 | 2500 | | | U | ppb | | H000B1Q5 | EPA 300.0 |
| 299-W19-21 | Nitrate | 8/19/88 | 46 | 500 | | | U | ppb | | H000B1Q6 | EPA 300.0 |
| 299-W19-21 | Nitrate | 8/19/88 | 46 | 2500 | | | U | ppb | | H000B1Q7 | EPA 300.0 |
| 299-W19-21 | Nitrate | 12/14/88 | 46 | 600 | | | | ppb | | H000B1Q8 | EPA 300.0 |
| 299-W19-21 | Nitrate | 1/04/89 | 46 | 2500 | 261 | | U | ppb | | H000B1Q9 | EPA 300.0 |
| 299-W19-21 | Nitrate | 11/02/89 | 46 | 700 | 98 | | | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Nitrate | 4/04/90 | 46 | 500 | 84 | | U | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Nitrate | 3/09/92 | 124 | 300 | 169 | | | ppb | 200 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Nitrate | 4/30/92 | 124 | 500 | 281 | | | ppb | 200 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Nitrate | 8/12/92 | 124 | 300 | 169 | | | ppb | 200 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Nitrate | 12/07/92 | 124 | 300 | 169 | | | ppb | 200 | B07QG1 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Nitrate | 2/03/93 | 124 | 200 | 113 | | | ppb | 200 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Nitrate | 6/30/93 | 124 | 400 | 35 | | | ppb | 200 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 11/02/89 | 55 | 1000 | 118 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Nitrite | 4/04/90 | 55 | 1000 | 118 | | U | ppb | | H000B1R1 | |
| 299-W19-21 | Nitrite | 3/09/92 | 124 | 200 | | | U | ppb | 200 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 4/30/92 | 124 | 200 | | | U | ppb | 200 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 12/07/92 | 124 | 200 | | | U | ppb | 200 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 2/03/93 | 124 | 200 | | | U | ppb | 200 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Nitrite | 6/30/93 | 124 | 38 | | | U | ppb | 200 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Nitrobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Nitrobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Nitrosopyrrolidine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Nitrosopyrrolidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | O,O,O-Triethyl phosphorothioate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | O,O,O-Triethyl phosphorothioate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | O,O-diethylO-2-pyrazinylphosphor.. | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | PCDDs | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8280 |
| 299-W19-21 | PCDFs | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8280 |
| 299-W19-21 | Paraldehyde | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Parathion | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Pentachlorobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Pentachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Pentachloroethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Pentachloroethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Pentachloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Pentachloronitrobenzene (PCNB) | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Pentachloronitrobenzene (PCNB) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Pentachlorophenol | 1/22/88 | 21 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Pentachlorophenol | 11/02/89 | 21 | 50 | 18 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Perchlorate | 11/02/89 | 46 | 500 | 52 | | U | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Phenacetin | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Phenacetin | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Phenanthrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Phenol | 1/22/88 | 32 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Phenol | 11/02/89 | 32 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Phenylenediamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Phenylenediamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Phorate | 11/02/89 | 29 | 2 | 1 | | U | ppb | 2 | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Phorate | 6/30/93 | 29 | 0 | | | U | ppb | 2 | B08MQ1 | SW-846 8140 |
| 299-W19-21 | Phosphate | 1/22/88 | 46 | 1000 | | | U | ppb | | H000B1Q3 | EPA 300.0 |
| 299-W19-21 | Phosphate | 8/19/88 | 46 | 1000 | | | U | ppb | | H000B1Q6 | EPA 300.0 |
| 299-W19-21 | Phosphate | 12/14/88 | 46 | 1000 | | | U | ppb | | H000B1Q8 | EPA 300.0 |
| 299-W19-21 | Phosphate | 11/02/89 | 46 | 1000 | 141 | | U | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Phosphate | 4/04/90 | 46 | 1000 | 141 | | U | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Phosphate | 3/09/92 | 124 | 400 | | | U | ppb | 400 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 3/09/92 | 124 | 400 | | | U | ppb | 500 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 4/30/92 | 124 | 400 | | | U | ppb | 400 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 4/30/92 | 124 | 400 | | | U | ppb | 500 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 400 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 500 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 12/07/92 | 124 | 400 | | | U | ppb | 400 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 12/07/92 | 124 | 400 | | | U | ppb | 500 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 400 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 500 | B08413 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 6/30/93 | 124 | 147 | | | U | ppb | 400 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Phosphate | 6/30/93 | 124 | 147 | | | U | ppb | 500 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Phthalic acid esters | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Phthalic acid esters | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Plutonium-238 | 7/11/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Plutonium-238 | 8/05/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Plutonium-238 | 9/17/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Plutonium-238 | 10/06/86 | 77 | -0 | 0 | | U | pCi/L | | H000B1P0 | |
| 299-W19-21 | Plutonium-238 | 11/05/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1P1 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Plutonium-238 | 12/11/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Plutonium-238 | 1/05/87 | 77 | 0 | 0 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Plutonium-238 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Plutonium-238 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Plutonium-238 | 4/19/87 | 77 | 0 | 0 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Plutonium-238 | 1/22/88 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Plutonium-238 | 5/18/88 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Plutonium-238 | 8/19/88 | 77 | 0 | 0 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Plutonium-238 | 1/04/89 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Plutonium-238 | 11/02/89 | 77 | 0 | 0 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Plutonium-238 | 6/30/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MQ1 | ITAS Isotopic Pu |
| 299-W19-21 | Plutonium-239/40 | 7/11/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Plutonium-239/40 | 8/05/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Plutonium-239/40 | 9/17/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Plutonium-239/40 | 10/06/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1P0 | |
| 299-W19-21 | Plutonium-239/40 | 11/05/86 | 77 | 0 | 0 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Plutonium-239/40 | 12/11/86 | 77 | 0 | 0 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Plutonium-239/40 | 1/05/87 | 77 | 0 | 0 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Plutonium-239/40 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Plutonium-239/40 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Plutonium-239/40 | 4/19/87 | 77 | 0 | 0 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Plutonium-239/40 | 1/22/88 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Plutonium-239/40 | 5/18/88 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Plutonium-239/40 | 8/19/88 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Plutonium-239/40 | 1/04/89 | 77 | -0 | 0 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Plutonium-239/40 | 11/02/89 | 77 | -0 | 0 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Plutonium-239/40 | 6/30/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MQ1 | ITAS Isotopic Pu |
| 299-W19-21 | Potassium | 1/22/88 | 35 | 3040 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Potassium | 11/02/89 | 35 | 2870 | 331 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Potassium | 2/03/93 | 34 | 3500 | | | | ppb | 300 | B08413 | SW-846 6010 |
| 299-W19-21 | Potassium | 2/03/93 | 34 | 3500 | | | | ppb | 1000 | B08413 | SW-846 6010 |
| 299-W19-21 | Potassium | 6/30/93 | 34 | 2800 | 2680 | | | ppb | 300 | B08MQ1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Potassium | 6/30/93 | 34 | 2800 | 2680 | | | ppb | 1000 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 1/22/88 | 34 | 3070 | | Y | | ppb | 300 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 1/22/88 | 34 | 3070 | | Y | | ppb | 1000 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/19/88 | 34 | 3000 | | Y | | ppb | 300 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/19/88 | 34 | 3000 | | Y | | ppb | 1000 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 12/14/88 | 34 | 3020 | | Y | | ppb | 300 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 12/14/88 | 34 | 3020 | | Y | | ppb | 1000 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 11/02/89 | 34 | 2880 | 332 | Y | | ppb | 300 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 11/02/89 | 34 | 2880 | 332 | Y | | ppb | 1000 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 4/04/90 | 34 | 2620 | 303 | Y | | ppb | 300 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 4/04/90 | 34 | 2620 | 303 | Y | | ppb | 1000 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 4/30/92 | 34 | 2600 | | Y | | ppb | 300 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 4/30/92 | 34 | 2600 | | Y | | ppb | 1000 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/12/92 | 34 | 2600 | | Y | | ppb | 300 | B074M2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/12/92 | 34 | 2600 | | Y | | ppb | 1000 | B074M2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 12/07/92 | 34 | 2300 | | Y | | ppb | 300 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 12/07/92 | 34 | 2300 | | Y | | ppb | 1000 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 2/03/93 | 34 | 3200 | | Y | | ppb | 300 | B08414 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 2/03/93 | 34 | 3200 | | Y | | ppb | 1000 | B08414 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 6/30/93 | 34 | 2800 | 2680 | Y | | ppb | 300 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 6/30/93 | 34 | 2800 | 2680 | Y | | ppb | 1000 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/26/93 | 34 | 2900 | 2780 | Y | | ppb | 300 | B091J1 | SW-846 6010 |
| 299-W19-21 | Potassium, filtered | 8/26/93 | 34 | 2900 | 2780 | Y | | ppb | 1000 | B091J1 | SW-846 6010 |
| 299-W19-21 | Pronamide | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Pronamide | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Propionitrile | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Pyridine | 1/22/88 | 16 | 500 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Pyridine | 8/19/88 | 16 | 500 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Pyridine | 11/02/89 | 16 | 500 | 175 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Radium | 1/22/88 | 77 | 0 | 0 | | U | pCi/L | | H000B1Q3 | |
| 299-W19-21 | Radium | 11/02/89 | 77 | -0 | 0 | | U | pCi/L | | H000B1R0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Reserpine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Reserpine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Resorcinol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Resorcinol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Ruthenium-106 | 7/11/86 | 77 | 19 | 42 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Ruthenium-106 | 8/05/86 | 77 | 39 | 58 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Ruthenium-106 | 9/17/86 | 77 | 66 | 61 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Ruthenium-106 | 10/06/86 | 77 | 72 | 46 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Ruthenium-106 | 11/05/86 | 77 | -12 | 47 | | U | pCi/L | | H000B1P1 | |
| 299-W19-21 | Ruthenium-106 | 12/11/86 | 77 | 64 | 63 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Ruthenium-106 | 1/05/87 | 77 | 18 | 54 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Ruthenium-106 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Ruthenium-106 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Ruthenium-106 | 4/19/87 | 77 | 22 | 68 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Ruthenium-106 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Ruthenium-106 | 8/18/87 | 77 | 73 | 43 | | | pCi/L | | H000B1P8 | |
| 299-W19-21 | Ruthenium-106 | 9/16/87 | 77 | 42 | 46 | | U | pCi/L | | H000B1P9 | |
| 299-W19-21 | Ruthenium-106 | 10/12/87 | 77 | -3 | 58 | | U | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Ruthenium-106 | 11/11/87 | 77 | 5 | 51 | | U | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Ruthenium-106 | 12/08/87 | 77 | 26 | 53 | | U | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Ruthenium-106 | 1/22/88 | 77 | -14 | 40 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Ruthenium-106 | 5/18/88 | 77 | -30 | 73 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Ruthenium-106 | 8/19/88 | 77 | 26 | 69 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Ruthenium-106 | 1/04/89 | 77 | 17 | 56 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Ruthenium-106 | 11/02/89 | 77 | -51 | 60 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Ruthenium-106 | 2/03/93 | 140 | -67 | 61 | | U | pCi/L | | B08413 | ITAS Gamma Scan |
| 299-W19-21 | Safrol | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Safrol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Selenium | 1/22/88 | 76 | 5 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Selenium | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Selenium | 6/30/93 | 48 | 1 | | | U | ppb | 10 | B08MQ1 | SW-846 7740 |
| 299-W19-21 | Selenium, filtered | 1/22/88 | 48 | 5 | | Y | U | ppb | 10 | H000B1Q3 | SW-846 7740 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Selenium, filtered | 11/02/89 | 48 | 5 | 3 | Y | U | ppb | 10 | H000B1R0 | SW-846 7740 |
| 299-W19-21 | Selenium, filtered | 6/30/93 | 48 | 1 | | Y | U | ppb | 10 | B08MQ2 | SW-846 7740 |
| 299-W19-21 | Silicon | 11/02/89 | 34 | 14600 | 2400 | Y | | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Silicon | 11/02/89 | 35 | 14700 | 2400 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Silicon | 4/04/90 | 34 | 15000 | 2460 | Y | | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Silver | 1/22/88 | 35 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Silver | 11/02/89 | 35 | 10 | 2 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Silver | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08413 | SW-846 6010 |
| 299-W19-21 | Silver | 6/30/93 | 34 | 3 | | | U | ppb | 20 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 1/22/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 8/19/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 12/14/88 | 34 | 10 | | Y | U | ppb | 20 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 11/02/89 | 34 | 10 | 2 | Y | U | ppb | 20 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 4/04/90 | 34 | 10 | 2 | Y | U | ppb | 20 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074M2 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 12/07/92 | 34 | | | Y | U | ppb | 20 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08414 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 6/30/93 | 34 | 3 | | Y | U | ppb | 20 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Silver, filtered | 8/26/93 | 34 | 3 | | Y | U | ppb | 20 | B091J1 | SW-846 6010 |
| 299-W19-21 | Sodium | 1/22/88 | 35 | 15100 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Sodium | 11/02/89 | 35 | 12600 | 1410 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Sodium | 2/03/93 | 34 | 9700 | | | | ppb | 300 | B08413 | SW-846 6010 |
| 299-W19-21 | Sodium | 6/30/93 | 34 | 8900 | 2780 | | | ppb | 300 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 1/22/88 | 34 | 15200 | | Y | | ppb | 300 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 8/19/88 | 34 | 14500 | | Y | | ppb | 300 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 12/14/88 | 34 | 13600 | | Y | | ppb | 300 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 11/02/89 | 34 | 12600 | 1420 | Y | | ppb | 300 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 4/04/90 | 34 | 12100 | 1360 | Y | | ppb | 300 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 4/30/92 | 34 | 11000 | | Y | | ppb | 300 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 8/12/92 | 34 | 10000 | | Y | | ppb | 300 | B074M2 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 12/07/92 | 34 | 9600 | | Y | | ppb | 300 | B07QG2 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Sodium, filtered | 2/03/93 | 34 | 9700 | | Y | | ppb | 300 | B08414 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 6/30/93 | 34 | 9100 | 2840 | Y | | ppb | 300 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Sodium, filtered | 8/26/93 | 34 | 9400 | 2930 | Y | | ppb | 300 | B091J1 | SW-846 6010 |
| 299-W19-21 | Specific conductance | 1/22/88 | 76 | 178 | | | | umhos | | H000B1Q3 | |
| 299-W19-21 | Specific conductance | 8/19/88 | 76 | 208 | | | | umhos | | H000B1Q6 | |
| 299-W19-21 | Specific conductance | 12/14/88 | 76 | 1040 | | | | umhos | | H000B1Q8 | |
| 299-W19-21 | Specific conductance | 11/02/89 | 76 | 198 | | | | umhos | | H000B1R0 | |
| 299-W19-21 | Specific conductance | 4/04/90 | 73 | 197 | 20 | | | umhos | | H000B1R1 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 4/04/90 | 76 | 189 | | | | umhos | | H000B1R1 | |
| 299-W19-21 | Specific conductance | 3/20/91 | 76 | 283 | | | | umhos | | H000B1R2 | |
| 299-W19-21 | Specific conductance | 12/03/91 | 94 | 449 | | | | umhos | 1 | H00072Z3 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 3/09/92 | 73 | 200 | | | | umhos | | B01VY2 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 3/09/92 | 94 | 189 | | | | umhos | 1 | B01VY2 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 4/30/92 | 73 | 190 | | | | umhos | | B06DX9 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 4/30/92 | 94 | 198 | | | | umhos | 1 | B06DX9 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 8/12/92 | 73 | 190 | | | | umhos | | B074M1 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 8/12/92 | 94 | 202 | | | | umhos | 1 | B074M1 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 12/07/92 | 73 | 200 | | | | umhos | | B07QG1 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 12/07/92 | 94 | 207 | | | | umhos | 1 | B07QG1 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 2/03/93 | 73 | 200 | | | | umhos | | B08413 | ASTM D-1125-A |
| 299-W19-21 | Specific conductance | 2/03/93 | 94 | 196 | | | | umhos | 1 | B08413 | Probe, Conductivity |
| 299-W19-21 | Specific conductance | 8/26/93 | 94 | 195 | | | | umhos | 1 | B091H9 | Probe, Conductivity |
| 299-W19-21 | Strontium | 11/02/89 | 35 | 86 | 11 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Strontium, filtered | 1/22/88 | 34 | 72 | | Y | | ppb | | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Strontium, filtered | 8/19/88 | 34 | 78 | | Y | | ppb | | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Strontium, filtered | 12/14/88 | 34 | 82 | | Y | | ppb | | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Strontium, filtered | 11/02/89 | 34 | 84 | 11 | Y | | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Strontium, filtered | 4/04/90 | 34 | 81 | 10 | Y | | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Strontium-90 | 7/11/86 | 77 | 0 | 1 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Strontium-90 | 8/05/86 | 77 | 0 | 1 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Strontium-90 | 9/17/86 | 77 | 0 | 1 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Strontium-90 | 10/06/86 | 77 | 0 | 1 | | U | pCi/L | | H000B1P0 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Strontium-90 | 11/05/86 | 77 | -0 | 1 | | U | pCi/L | | H000B1P1 | |
| 299-W19-21 | Strontium-90 | 12/11/86 | 77 | 0 | 1 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Strontium-90 | 1/05/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Strontium-90 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Strontium-90 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Strontium-90 | 4/19/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1P6 | |
| 299-W19-21 | Strontium-90 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Strontium-90 | 8/18/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1P8 | |
| 299-W19-21 | Strontium-90 | 9/16/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1P9 | |
| 299-W19-21 | Strontium-90 | 10/12/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Strontium-90 | 11/11/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Strontium-90 | 12/08/87 | 77 | 0 | 1 | | U | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Strontium-90 | 1/22/88 | 77 | -0 | 1 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Strontium-90 | 5/18/88 | 77 | 0 | 1 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Strontium-90 | 8/19/88 | 77 | 0 | 1 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Strontium-90 | 1/04/89 | 77 | -0 | 1 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Strontium-90 | 11/02/89 | 77 | -0 | 1 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Strontium-90 | 2/03/93 | 141 | -0 | 1 | | U | pCi/L | 5 | B08413 | ITAS Sr-90 |
| 299-W19-21 | Strontium-90 | 6/30/93 | 141 | -0 | 0 | | U | pCi/L | 5 | B08MQ1 | ITAS Sr-90 |
| 299-W19-21 | Strychnine | 1/22/88 | 21 | 50 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Strychnine | 11/02/89 | 21 | 50 | 18 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Styrene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Sulfate | 1/22/88 | 46 | 10900 | | | | ppb | | H000B1Q3 | EPA 300.0 |
| 299-W19-21 | Sulfate | 8/19/88 | 46 | 11400 | | | | ppb | | H000B1Q6 | EPA 300.0 |
| 299-W19-21 | Sulfate | 12/14/88 | 46 | 12100 | | | | ppb | | H000B1Q8 | EPA 300.0 |
| 299-W19-21 | Sulfate | 11/02/89 | 46 | 13200 | 1320 | | | ppb | | H000B1R0 | EPA 300.0 |
| 299-W19-21 | Sulfate | 4/04/90 | 46 | 9600 | 964 | | | ppb | | H000B1R1 | EPA 300.0 |
| 299-W19-21 | Sulfate | 3/09/92 | 124 | 10000 | 9650 | | | ppb | 500 | B01VY2 | ASTM D-4327-88 |
| 299-W19-21 | Sulfate | 4/30/92 | 124 | 9600 | 9260 | | | ppb | 500 | B06DX9 | ASTM D-4327-88 |
| 299-W19-21 | Sulfate | 8/12/92 | 124 | 7600 | 7330 | | | ppb | 500 | B074M1 | ASTM D-4327-88 |
| 299-W19-21 | Sulfate | 12/07/92 | 124 | 11000 | 10600 | | | ppb | 500 | B07QG1 | ASTM D-4327-88 |
| 299-W19-21 | Sulfate | 2/03/93 | 124 | 7200 | 6950 | | | ppb | 500 | B08413 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Sulfate | 6/30/93 | 124 | 8800 | 428 | | | ppb | 500 | B08MQ1 | ASTM D-4327-88 |
| 299-W19-21 | Sulfide | 11/02/89 | 63 | 1000 | 208 | | U | ppb | 10000 | H000B1R0 | SW-846 9030 |
| 299-W19-21 | Sulfide | 6/30/93 | 63 | 300 | | | U | ppb | 10000 | B08MQ1 | SW-846 9030 |
| 299-W19-21 | Technetium-99 | 3/09/92 | 143 | 4 | 2 | | | pCi/L | 15 | B01VD1 | ITAS Tc-99 |
| 299-W19-21 | Temperature, field | 1/22/88 | 170 | 20 | | | | DegC | 0 | H000GJT6 | Probe, temperature |
| 299-W19-21 | Temperature, field | 8/19/88 | 170 | 19 | | | | DegC | 0 | H000GLJ7 | Probe, temperature |
| 299-W19-21 | Temperature, field | 12/14/88 | 170 | 18 | | | | DegC | 0 | H000GMY8 | Probe, temperature |
| 299-W19-21 | Temperature, field | 11/02/89 | 170 | 17 | | | | DegC | 0 | H000GPG7 | Probe, temperature |
| 299-W19-21 | Temperature, field | 4/04/90 | 170 | 18 | | | | DegC | 0 | H000GQQ8 | Probe, temperature |
| 299-W19-21 | Temperature, field | 3/20/91 | 170 | 17 | | | | DegC | 0 | H000GSX3 | Probe, temperature |
| 299-W19-21 | Temperature, field | 12/03/91 | 170 | 16 | | | | DegC | 0 | H00072Z3 | Probe, temperature |
| 299-W19-21 | Temperature, field | 3/09/92 | 170 | 16 | | | | DegC | 0 | B01VY2 | Probe, temperature |
| 299-W19-21 | Temperature, field | 4/30/92 | 170 | 17 | | | | DegC | 0 | B06DX9 | Probe, temperature |
| 299-W19-21 | Temperature, field | 8/12/92 | 170 | 17 | | | | DegC | 0 | B074M1 | Probe, temperature |
| 299-W19-21 | Temperature, field | 12/07/92 | 170 | 17 | | | | DegC | 0 | B07QG1 | Probe, temperature |
| 299-W19-21 | Temperature, field | 2/03/93 | 170 | 17 | | | | DegC | 0 | B08413 | Probe, temperature |
| 299-W19-21 | Temperature, field | 8/26/93 | 170 | 17 | | | | DegC | 0 | B091H9 | Probe, temperature |
| 299-W19-21 | Tetrachloroethene | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Tetrachloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Tetraethylpyrophosphate | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B1R0 | SW-846 8140 |
| 299-W19-21 | Tetrahydrofuran | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Tetrahydrofuran | 4/04/90 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Tetrahydrofuran | 3/09/92 | 16 | 10 | | | U | ppb | 10 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Tetrahydrofuran | 4/30/92 | 16 | 10 | | | U | ppb | 10 | B06DX9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074M1 | SW-846 8240 |
| 299-W19-21 | Tetrahydrofuran | 12/07/92 | 16 | 10 | | | U | ppb | 10 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Tetrahydrofuran | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08413 | SW-846 8240 |
| 299-W19-21 | Thallium | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Thallium | 6/30/93 | 42 | 1 | | | U | ppb | 5 | B08MQ1 | SW-846 7841 |
| 299-W19-21 | Thallium, filtered | 11/02/89 | 42 | 5 | 3 | Y | U | ppb | 5 | H000B1R0 | SW-846 7841 |
| 299-W19-21 | Thallium, filtered | 6/30/93 | 42 | 1 | | Y | U | ppb | 5 | B08MQ2 | SW-846 7841 |
| 299-W19-21 | Thiofanox | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Thiofanox | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Thiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Thiuram | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Thiuram | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Tin | 11/02/89 | 35 | 30 | 6 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Tin | 2/03/93 | 34 | 100 | | | U | ppb | 100 | B08413 | SW-846 6010 |
| 299-W19-21 | Tin | 6/30/93 | 34 | 51 | | | U | ppb | 100 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 11/02/89 | 34 | 30 | 6 | Y | U | ppb | 100 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 4/04/90 | 34 | 30 | 6 | Y | U | ppb | 100 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 4/30/92 | 34 | 100 | | Y | U | ppb | 100 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 8/12/92 | 34 | 100 | | Y | U | ppb | 100 | B074M2 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 12/07/92 | 34 | | | Y | U | ppb | 100 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 2/03/93 | 34 | 100 | | Y | U | ppb | 100 | B08414 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 6/30/93 | 34 | 51 | | Y | U | ppb | 100 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Tin, filtered | 8/26/93 | 34 | 51 | | Y | U | ppb | 100 | B091J1 | SW-846 6010 |
| 299-W19-21 | Titanium | 11/02/89 | 34 | 60 | 17 | Y | U | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Titanium | 11/02/89 | 35 | 60 | 17 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Titanium | 4/04/90 | 34 | 60 | 17 | Y | U | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Toluene | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Toluene | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Toluene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Toluene | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Toluene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Toluene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Toluene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Toluene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Toluenediamine | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Toluenediamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Total Carbon | 1/22/88 | 127 | 21400 | | | | ppb | 2000 | H000B1Q3 | ASTM D-2579-A |
| 299-W19-21 | Total Carbon | 8/19/88 | 127 | 20600 | | | | ppb | 2000 | H000B1Q6 | ASTM D-2579-A |
| 299-W19-21 | Total Carbon | 12/14/88 | 127 | 20200 | | | | ppb | 2000 | H000B1Q8 | ASTM D-2579-A |
| 299-W19-21 | Total Carbon | 11/02/89 | 127 | 20100 | 2160 | | | ppb | 2000 | H000B1R0 | ASTM D-2579-A |
| 299-W19-21 | Total Dissolved Solids | 11/02/89 | 65 | 110000 | 11100 | | | ppm | 10 | H000B1R0 | Std Meth #209B |
| 299-W19-21 | Total Dissolved Solids | 6/30/93 | 65 | 170 | | | | ppm | 10 | B08MQ1 | Std Meth #209B |
| 299-W19-21 | Total Organic Carbon | 1/22/88 | 66 | 408 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Total Organic Carbon | 8/19/88 | 66 | 430 | | | U | ppb | | H000B1Q6 | |
| 299-W19-21 | Total Organic Carbon | 12/14/88 | 66 | 500 | | | U | ppb | | H000B1Q8 | |
| 299-W19-21 | Total Organic Carbon | 11/02/89 | 66 | 600 | 76 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Total Organic Carbon | 3/09/92 | 122 | 1000 | | | U | ppb | 1000 | B01VY2 | SW-846 9060 |
| 299-W19-21 | Total Organic Carbon | 4/30/92 | 122 | 1000 | | | U | ppb | 1000 | B06DX9 | SW-846 9060 |
| 299-W19-21 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074M1 | SW-846 9060 |
| 299-W19-21 | Total Organic Carbon | 12/07/92 | 122 | 1000 | | | U | ppb | 1000 | B07QG1 | SW-846 9060 |
| 299-W19-21 | Total Organic Carbon | 2/03/93 | 122 | 1000 | | | U | ppb | 1000 | B08413 | SW-846 9060 |
| 299-W19-21 | Total Organic Carbon | 6/30/93 | 122 | 500 | | | LB | ppb | 1000 | B08MQ1 | SW-846 9060 |
| 299-W19-21 | Total Organic Halogen | 1/22/88 | 67 | 4 | | | U | ppb | 10 | H000B1Q3 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 11/02/89 | 67 | 10 | 4 | | | ppb | 10 | H000B1R0 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 4/04/90 | 67 | 6 | 4 | | U | ppb | 10 | H000B1R1 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 3/09/92 | 67 | 10 | | | | ppb | 10 | B01VY2 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 3/09/92 | 67 | 10 | | | U | ppb | 10 | B01VY2 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 4/30/92 | 67 | 10 | | | | ppb | 10 | B06DX9 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074M1 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 12/07/92 | 67 | 10 | | | U | ppb | 10 | B07QG1 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 2/03/93 | 67 | 10 | | | U | ppb | 10 | B08413 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 6/30/93 | 67 | 8 | | | U | ppb | 10 | B08MQ1 | SW-846 9020 |
| 299-W19-21 | Total Organic Halogen | 8/26/93 | 67 | 8 | | | U | ppb | 10 | B091H9 | SW-846 9020 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Toxaphene | 11/02/89 | 37 | 1 | 0 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Toxaphene | 6/30/93 | 17 | 1 | | | U | ppb | 2 | B08MQ1 | SW-846 8080 |
| 299-W19-21 | Tributylphosphoric Acid | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Tributylphosphoric Acid | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Trichloroethene | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Trichloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Trichloromethanethiol | 1/22/88 | 16 | 10 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Trichloromethanethiol | 8/19/88 | 16 | 10 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Trichloromethanethiol | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Trichloromonofluoromethane | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Trichloromonofluoromethane | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Trichloromonofluoromethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Tris(2,3-dibromopropyl) phosphate | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Tris(2,3-dibromopropyl) phosphate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Tritium | 7/11/86 | 77 | 182 | 323 | | U | pCi/L | | H000B1N7 | |
| 299-W19-21 | Tritium | 8/05/86 | 77 | 240 | 315 | | U | pCi/L | | H000B1N8 | |
| 299-W19-21 | Tritium | 9/17/86 | 77 | -309 | 288 | | U | pCi/L | | H000B1N9 | |
| 299-W19-21 | Tritium | 10/06/86 | 77 | 236 | 330 | | U | pCi/L | | H000B1P0 | |
| 299-W19-21 | Tritium | 11/05/86 | 77 | 181 | 349 | | U | pCi/L | | H000B1P1 | |
| 299-W19-21 | Tritium | 12/11/86 | 77 | 242 | 290 | | U | pCi/L | | H000B1P2 | |
| 299-W19-21 | Tritium | 1/05/87 | 77 | 137 | 337 | | U | pCi/L | | H000B1P3 | |
| 299-W19-21 | Tritium | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Tritium | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Tritium | 4/19/87 | 77 | 289 | 345 | | U | pCi/L | | H000B1P6 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Tritium | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Tritium | 8/18/87 | 77 | 309 | 321 | | U | pCi/L | | H000B1P8 | |
| 299-W19-21 | Tritium | 9/16/87 | 77 | -78 | 304 | | U | pCi/L | | H000B1P9 | |
| 299-W19-21 | Tritium | 10/12/87 | 77 | -97 | 320 | | U | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Tritium | 11/11/87 | 77 | | | | | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Tritium | 12/08/87 | 77 | 164 | 257 | | U | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Tritium | 1/22/88 | 77 | 115 | 331 | | U | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Tritium | 5/18/88 | 77 | 96 | 308 | | U | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Tritium | 8/19/88 | 77 | -18 | 258 | | U | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Tritium | 1/04/89 | 77 | -103 | 300 | | U | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Tritium | 11/02/89 | 77 | 118 | 237 | | U | pCi/L | | H000B1R0 | |
| 299-W19-21 | Tritium | 4/04/90 | 77 | 96 | 230 | | U | pCi/L | | H000B1R1 | |
| 299-W19-21 | Tritium | 12/03/91 | 142 | 121 | 197 | | U | pCi/L | 500 | H00072Z3 | ITAS H-3 |
| 299-W19-21 | Tritium | 3/09/92 | 142 | 31 | 198 | | U | pCi/L | 500 | B01VY2 | ITAS H-3 |
| 299-W19-21 | Tritium | 4/30/92 | 142 | 58 | 227 | | U | pCi/L | 500 | B06DX9 | ITAS H-3 |
| 299-W19-21 | Tritium | 8/12/92 | 142 | -25 | 218 | | U | pCi/L | 500 | B074M1 | ITAS H-3 |
| 299-W19-21 | Tritium | 12/07/92 | 142 | 19 | 231 | | U | pCi/L | 500 | B07QG1 | ITAS H-3 |
| 299-W19-21 | Tritium | 2/03/93 | 142 | 67 | 213 | | U | pCi/L | 500 | B08413 | ITAS H-3 |
| 299-W19-21 | Tritium | 6/30/93 | 142 | 62 | 226 | | U | pCi/L | 500 | B08MQ1 | ITAS H-3 |
| 299-W19-21 | Tritium | 8/26/93 | 142 | 75 | 228 | | U | pCi/L | 500 | B091H9 | ITAS H-3 |
| 299-W19-21 | Turbidity | 11/02/89 | 76 | 1 | 0 | | | NTU | | H000B1R0 | |
| 299-W19-21 | Uranium | 7/11/86 | 77 | 17 | 5 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Uranium | 8/05/86 | 77 | 19 | 6 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Uranium | 9/17/86 | 77 | 18 | 6 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Uranium | 10/06/86 | 77 | 14 | 4 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Uranium | 11/05/86 | 77 | 14 | 7 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Uranium | 12/11/86 | 77 | 17 | 7 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Uranium | 1/05/87 | 77 | 12 | 3 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Uranium | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Uranium | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Uranium | 4/19/87 | 77 | 20 | 7 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Uranium | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Uranium | 8/18/87 | 77 | 25 | 8 | | | pCi/L | | H000B1P8 | |
| 299-W19-21 | Uranium | 9/16/87 | 77 | 27 | 8 | | | pCi/L | | H000B1P9 | |
| 299-W19-21 | Uranium | 10/12/87 | 77 | 27 | 8 | | | pCi/L | | H000B1Q0 | |
| 299-W19-21 | Uranium | 11/11/87 | 77 | 24 | 8 | | | pCi/L | | H000B1Q1 | |
| 299-W19-21 | Uranium | 12/08/87 | 77 | 20 | 6 | | | pCi/L | | H000B1Q2 | |
| 299-W19-21 | Uranium | 1/22/88 | 77 | 21 | 6 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Uranium | 5/18/88 | 77 | 15 | 5 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Uranium | 8/19/88 | 77 | 23 | 8 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Uranium | 1/04/89 | 77 | 22 | 7 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Uranium | 11/02/89 | 77 | 15 | 4 | | | pCi/L | | H000B1R0 | |
| 299-W19-21 | Uranium | 4/04/90 | 77 | 21 | 6 | | | pCi/L | | H000B1R1 | |
| 299-W19-21 | Uranium | 12/03/91 | 145 | 28 | 8 | | | ppb | 1 | H00072Z3 | ITAS Gross U |
| 299-W19-21 | Uranium | 3/09/92 | 145 | 27 | 7 | | | ppb | 1 | B01VY2 | ITAS Gross U |
| 299-W19-21 | Uranium | 4/30/92 | 145 | 25 | 7 | | | ppb | 1 | B06DX9 | ITAS Gross U |
| 299-W19-21 | Uranium | 8/12/92 | 145 | 27 | 7 | | | ppb | 1 | B074M1 | ITAS Gross U |
| 299-W19-21 | Uranium | 12/07/92 | 145 | 17 | 6 | | | ppb | 1 | B07QG1 | ITAS Gross U |
| 299-W19-21 | Uranium-234 | 7/11/86 | 77 | 9 | 1 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Uranium-234 | 8/05/86 | 77 | 9 | 1 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Uranium-234 | 9/17/86 | 77 | 7 | 1 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Uranium-234 | 10/06/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Uranium-234 | 11/05/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Uranium-234 | 12/11/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Uranium-234 | 1/05/87 | 77 | 6 | 1 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Uranium-234 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Uranium-234 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Uranium-234 | 4/19/87 | 77 | 8 | 1 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Uranium-234 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Uranium-234 | 1/22/88 | 77 | 7 | 1 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Uranium-234 | 5/18/88 | 77 | 8 | 1 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Uranium-234 | 8/19/88 | 77 | 7 | 1 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Uranium-234 | 1/04/89 | 77 | 8 | 1 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Uranium-234 | 6/30/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ1 | ITAS Isotopic U |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Uranium-235 | 7/11/86 | 77 | 0 | 0 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Uranium-235 | 8/05/86 | 77 | 0 | 0 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Uranium-235 | 9/17/86 | 77 | 0 | 0 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Uranium-235 | 10/06/86 | 77 | 0 | 0 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Uranium-235 | 11/05/86 | 77 | 0 | 0 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Uranium-235 | 12/11/86 | 77 | 0 | 0 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Uranium-235 | 1/05/87 | 77 | 0 | 0 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Uranium-235 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Uranium-235 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Uranium-235 | 4/19/87 | 77 | 0 | 0 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Uranium-235 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Uranium-235 | 1/22/88 | 77 | 0 | 0 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Uranium-235 | 5/18/88 | 77 | 0 | 0 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Uranium-235 | 8/19/88 | 77 | 0 | 0 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Uranium-235 | 1/04/89 | 77 | 0 | 0 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Uranium-235 | 6/30/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08MQ1 | ITAS Isotopic U |
| 299-W19-21 | Uranium-238 | 7/11/86 | 77 | 9 | 1 | | | pCi/L | | H000B1N7 | |
| 299-W19-21 | Uranium-238 | 8/05/86 | 77 | 9 | 1 | | | pCi/L | | H000B1N8 | |
| 299-W19-21 | Uranium-238 | 9/17/86 | 77 | 7 | 1 | | | pCi/L | | H000B1N9 | |
| 299-W19-21 | Uranium-238 | 10/06/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P0 | |
| 299-W19-21 | Uranium-238 | 11/05/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P1 | |
| 299-W19-21 | Uranium-238 | 12/11/86 | 77 | 6 | 1 | | | pCi/L | | H000B1P2 | |
| 299-W19-21 | Uranium-238 | 1/05/87 | 77 | 6 | 1 | | | pCi/L | | H000B1P3 | |
| 299-W19-21 | Uranium-238 | 2/09/87 | 77 | | | | | pCi/L | | H000B1P4 | |
| 299-W19-21 | Uranium-238 | 3/11/87 | 77 | | | | | pCi/L | | H000B1P5 | |
| 299-W19-21 | Uranium-238 | 4/19/87 | 77 | 9 | 1 | | | pCi/L | | H000B1P6 | |
| 299-W19-21 | Uranium-238 | 5/10/87 | 77 | | | | | pCi/L | | H000B1P7 | |
| 299-W19-21 | Uranium-238 | 1/22/88 | 77 | 7 | 1 | | | pCi/L | | H000B1Q4 | |
| 299-W19-21 | Uranium-238 | 5/18/88 | 77 | 8 | 1 | | | pCi/L | | H000B1Q5 | |
| 299-W19-21 | Uranium-238 | 8/19/88 | 77 | 8 | 1 | | | pCi/L | | H000B1Q7 | |
| 299-W19-21 | Uranium-238 | 1/04/89 | 77 | 8 | 1 | | | pCi/L | | H000B1Q9 | |
| 299-W19-21 | Uranium-238 | 2/03/93 | 145 | 22 | 6 | | | ppb | 1 | B08413 | ITAS Gross U |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Uranium-238 | 6/30/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ1 | ITAS Isotopic U |
| 299-W19-21 | Vanadium | 1/22/88 | 35 | 27 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Vanadium | 11/02/89 | 35 | 20 | 4 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Vanadium | 2/03/93 | 34 | 30 | | | U | ppb | 30 | B08413 | SW-846 6010 |
| 299-W19-21 | Vanadium | 6/30/93 | 34 | 4 | | | U | ppb | 30 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 1/22/88 | 34 | 27 | | Y | | ppb | 30 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 8/19/88 | 34 | 23 | | Y | | ppb | 30 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 12/14/88 | 34 | 29 | | Y | | ppb | 30 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 11/02/89 | 34 | 20 | 4 | Y | | ppb | 30 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 4/04/90 | 34 | 22 | 5 | Y | | ppb | 30 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 4/30/92 | 34 | 30 | | Y | U | ppb | 30 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 8/12/92 | 34 | 30 | | Y | U | ppb | 30 | B074M2 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 12/07/92 | 34 | | | Y | U | ppb | 30 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 2/03/93 | 34 | 30 | | Y | U | ppb | 30 | B08414 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 6/30/93 | 34 | 4 | | Y | U | ppb | 30 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Vanadium, filtered | 8/26/93 | 34 | 20 | 4 | Y | L | ppb | 30 | B091J1 | SW-846 6010 |
| 299-W19-21 | Vinyl acetate | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 1/22/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 8/19/88 | 16 | 10 | | | U | ppb | 10 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 4/04/90 | 16 | 10 | 4 | | U | ppb | 10 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 3/09/92 | 16 | 10 | | | U | ppb | 10 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 4/30/92 | 16 | 10 | | | U | ppb | 10 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074M1 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 12/07/92 | 16 | 10 | | | U | ppb | 10 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Vinyl chloride | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08413 | SW-846 8240 |
| 299-W19-21 | Warfarin | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | Warfarin | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Xylenes | 1/22/88 | 16 | 5 | | | U | ppb | | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Xylenes | 8/19/88 | 16 | 5 | | | U | ppb | | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Xylenes | 12/14/88 | 16 | 5 | | | U | ppb | | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Xylenes | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B1R0 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | Xylenes | 4/04/90 | 16 | 5 | 2 | | U | ppb | | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 1/22/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 8/19/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 12/14/88 | 16 | 5 | | | U | ppb | 5 | H000B1Q8 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | Xylenes (total) | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | Zinc | 1/22/88 | 35 | 11 | | | | ppb | | H000B1Q3 | |
| 299-W19-21 | Zinc | 11/02/89 | 35 | 11 | 3 | | | ppb | | H000B1R0 | |
| 299-W19-21 | Zinc | 2/03/93 | 34 | 20 | 3 | | | ppb | 10 | B08413 | SW-846 6010 |
| 299-W19-21 | Zinc | 6/30/93 | 34 | 19 | 6 | | | ppb | 10 | B08MQ1 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 1/22/88 | 34 | 7 | | Y | | ppb | 10 | H000B1Q3 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 8/19/88 | 34 | 6 | | Y | | ppb | 10 | H000B1Q6 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 12/14/88 | 34 | 46 | | Y | | ppb | 10 | H000B1Q8 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 11/02/89 | 34 | 5 | 3 | Y | U | ppb | 10 | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 4/04/90 | 34 | 7 | 3 | Y | | ppb | 10 | H000B1R1 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 4/30/92 | 34 | 21 | 3 | Y | | ppb | 10 | B06DY1 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074M2 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 12/07/92 | 34 | | | Y | U | ppb | 10 | B07QG2 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 2/03/93 | 34 | 20 | 3 | Y | | ppb | 10 | B08414 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 6/30/93 | 34 | 3 | | Y | U | ppb | 10 | B08MQ2 | SW-846 6010 |
| 299-W19-21 | Zinc, filtered | 8/26/93 | 34 | 3 | | Y | U | ppb | 10 | B091J1 | SW-846 6010 |
| 299-W19-21 | Zirconium | 11/02/89 | 34 | 50 | 7 | Y | U | ppb | | H000B1R0 | SW-846 6010 |
| 299-W19-21 | Zirconium | 11/02/89 | 35 | 50 | 7 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | Zirconium | 4/04/90 | 34 | 50 | 7 | Y | U | ppb | | H000B1R1 | SW-846 6010 |
| 299-W19-21 | allylchloride | 11/02/89 | 16 | 100 | 35 | | U | ppb | 100 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | gamma-BHC (Lindane) | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B1R0 | SW-846 8080 |
| 299-W19-21 | gamma-BHC (Lindane) | 6/30/93 | 17 | 0 | | | U | ppb | 0 | B08MQ1 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | m-dinitrobenzene | 1/22/88 | 19 | 10 | | | U | ppb | 10 | H000B1Q3 | SW-846 8270 |
| 299-W19-21 | m-dinitrobenzene | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B1R0 | SW-846 8270 |
| 299-W19-21 | o-Nitroaniline | 11/02/89 | 74 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | o-Nitroaniline | 11/02/89 | 76 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | o-Toluidine hydrochloride | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | o-Toluidine hydrochloride | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | p-Benzoquinone | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | p-Benzoquinone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | p-Dimethylaminoazobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | p-Dimethylaminoazobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | pH | 1/22/88 | 75 | 8 | | | | | | H000B1Q3 | |
| 299-W19-21 | pH | 1/22/88 | 76 | 8 | | | | | | H000B1Q3 | |
| 299-W19-21 | pH | 8/19/88 | 75 | 8 | | | | | | H000B1Q6 | |
| 299-W19-21 | pH | 8/19/88 | 76 | 8 | | | | | | H000B1Q6 | |
| 299-W19-21 | pH | 12/14/88 | 75 | 8 | | | | | | H000B1Q8 | |
| 299-W19-21 | pH | 12/14/88 | 76 | 8 | | | | | | H000B1Q8 | |
| 299-W19-21 | pH | 11/02/89 | 76 | 8 | | | | | | H000B1R0 | |
| 299-W19-21 | pH | 4/04/90 | 75 | 8 | 0 | | | | | H000B1R1 | |
| 299-W19-21 | pH | 4/04/90 | 76 | 8 | | | | | | H000B1R1 | |
| 299-W19-21 | pH | 3/20/91 | 76 | 8 | | | | | | H000B1R2 | |
| 299-W19-21 | pH | 3/09/92 | 125 | 9 | | | | pH | | B01VY2 | ASTM D-1293 |
| 299-W19-21 | pH | 3/09/92 | 93 | 8 | | | | | 0 | B01VY2 | Probe, pH |
| 299-W19-21 | pH | 4/30/92 | 125 | 8 | | | | pH | | B06DX9 | ASTM D-1293 |
| 299-W19-21 | pH | 4/30/92 | 93 | 9 | | | | | 0 | B06DX9 | Probe, pH |
| 299-W19-21 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074M1 | ASTM D-1293 |
| 299-W19-21 | pH | 8/12/92 | 93 | 9 | | | | | 0 | B074M1 | Probe, pH |
| 299-W19-21 | pH | 12/07/92 | 125 | 9 | | | | pH | | B07QG1 | ASTM D-1293 |
| 299-W19-21 | pH | 12/07/92 | 93 | 9 | | | | | 0 | B07QG1 | Probe, pH |
| 299-W19-21 | pH | 2/03/93 | 125 | 9 | | | | pH | | B08413 | ASTM D-1293 |
| 299-W19-21 | pH | 2/03/93 | 93 | 8 | | | | | 0 | B08413 | Probe, pH |
| 299-W19-21 | pH | 6/30/93 | 125 | 9 | | | | pH | | B08MQ1 | ASTM D-1293 |
| 299-W19-21 | pH | 8/26/93 | 125 | 9 | | | | pH | | B091H9 | ASTM D-1293 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-21 | pH | 8/26/93 | 93 | 8 | | | | | 0 | B091H9 | Probe, pH |
| 299-W19-21 | sym-Trinitrobenzene | 1/22/88 | 21 | 10 | | | U | ppb | | H000B1Q3 | |
| 299-W19-21 | sym-Trinitrobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B1R0 | |
| 299-W19-21 | trans-1,2-Dichloroethylene | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 4/04/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B1R1 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 3/09/92 | 16 | 5 | | | U | ppb | 5 | B01VY2 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DX9 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074M1 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 12/07/92 | 16 | 5 | | | U | ppb | 5 | B07QG1 | SW-846 8240 |
| 299-W19-21 | trans-1,2-Dichloroethylene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08413 | SW-846 8240 |
| 299-W19-21 | trans-1,4-dichloro-2-butene | 1/22/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q3 | SW-846 8240 |
| 299-W19-21 | trans-1,4-dichloro-2-butene | 8/19/88 | 16 | 10 | | | U | ppb | 5 | H000B1Q6 | SW-846 8240 |
| 299-W19-21 | trans-1,4-dichloro-2-butene | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B1R0 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | 1,1,1,2-Tetrachloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1,1,1-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | 1,1,2,2-Tetrachloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1,1,2-Trichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 11/02/89 | 45 | 5 | 2 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,1-Dichloroethane | 4/06/90 | 45 | 5 | 2 | | U | ppb | | H000B245 | |
| 299-W19-27 | 1,1-Dichloroethane | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | 1,1-Dichloroethene | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,1-Dimethylhydrazine | 11/02/89 | 38 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2,3,4-tetrachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2,3,5-tetrachlorobenzene | 11/02/89 | 19 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8270 |
| 299-W19-27 | 1,2,3-Trichloropropane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | 1,2,3-trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2,4,5-Tetrachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2,4-Trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2-Dibromo-3-chloropropane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,2-Dibromoethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,2-Dichloroethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloroethane | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | 1,2-Dichloropropane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,2-Dimethylhydrazine | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,2-Diphenylhydrazine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,3,5-trichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,3-Dichlorobenzene | 11/02/89 | 20 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,3-Dichloropropene | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,4-Dichlorobenzene | 11/02/89 | 24 | 5 | 2 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1,4-Dichlorobenzene | 4/06/90 | 24 | 5 | 2 | | U | ppb | | H000B245 | |
| 299-W19-27 | 1,4-Dichlorobenzene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1,4-Dichlorobenzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | 1,4-Dioxane | 11/02/89 | 16 | 500 | 175 | | U | ppb | 200 | H000B244 | SW-846 8240 |
| 299-W19-27 | 1,4-Naphtoquinone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-(o-Chlorophenyl)thiourea | 11/02/89 | 18 | 200 | 60 | | U | ppb | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | 1-Acetyl-2-thiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-Butanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-Butanol | 2/27/92 | 16 | 1000 | | | U | ppb | 1000 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 1-Butanol | 4/30/92 | 16 | 1000 | | | U | ppb | 1000 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074N1 | SW-846 8240 |
| 299-W19-27 | 1-Butanol | 8/12/92 | 16 | 1000 | | | U | ppb | 1000 | B074N2 | SW-846 8240 |
| 299-W19-27 | 1-Butanol | 12/03/92 | 16 | 1000 | | | U | ppb | 1000 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 1-Butanol | 2/03/93 | 16 | 1000 | | | U | ppb | 1000 | B08415 | SW-846 8240 |
| 299-W19-27 | 1-Chloro-2,3-epoxypropane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-Naphthyl-2-thiourea | 11/02/89 | 18 | 200 | 60 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-Naphthylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 1-Propanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,3,4,6-Tetrachlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,3,7,8-TCDD | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8280 |
| 299-W19-27 | 2,4,5-T | 11/02/89 | 49 | 2 | 0 | | U | ppb | 2 | H000B244 | SW-846 8150 |
| 299-W19-27 | 2,4,5-T | 6/29/93 | 49 | 0 | | | U | ppb | 2 | B08MQ6 | SW-846 8150 |
| 299-W19-27 | 2,4,5-TP | 11/02/89 | 49 | 2 | 0 | | U | ppb | 2 | H000B244 | SW-846 8150 |
| 299-W19-27 | 2,4,5-TP | 6/29/93 | 49 | 0 | | | U | ppb | 2 | B08MQ6 | SW-846 8150 |
| 299-W19-27 | 2,4,5-Trichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,4,6-Trichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,4-D | 11/02/89 | 49 | 2 | 0 | | U | ppb | 10 | H000B244 | SW-846 8150 |
| 299-W19-27 | 2,4-D | 6/29/93 | 49 | 0 | | | U | ppb | 10 | B08MQ6 | SW-846 8150 |
| 299-W19-27 | 2,4-Dichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,4-Dinitrophenol | 11/02/89 | 72 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,4-Dinitrotoluene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,6-Bis(1,1-dimethylethyl)-4-methyl phen | 11/02/89 | 76 | 20 | | | | ?? | | H000B244 | |
| 299-W19-27 | 2,6-Dichlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2,6-Dinitrotoluene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Acetylaminofluorene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Chloroethyl vinyl ether | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | 2-Chloronaphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Chlorophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | 2-Cyclohexyl-4,6-dinitrophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Hexanone | 11/02/89 | 16 | 50 | 18 | | U | ppb | 50 | H000B244 | SW-846 8240 |
| 299-W19-27 | 2-Methylaziridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Methyllactonitrile | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Methylnaphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Naphthylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Picoline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-Propyn-1-ol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-methyl-2-(methylthio) propionaldehyde- | 11/02/89 | 76 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 6/29/93 | 49 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8150 |
| 299-W19-27 | 3,3'-Dichlorobenzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 3,3'-Dimethoxybenzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 3,3'-Dimethylbenzidine | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |
| 299-W19-27 | 3,3'-Dimethylbenzidine | 11/02/89 | 19 | 10 | 4 | | U | ppb | 50 | H000B244 | SW-846 8270 |
| 299-W19-27 | 3-Chloropropionitrile | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | 3-Methylcholanthrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 3-Nitroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4,4'-DDD | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | 4,4'-DDD | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | 4,4'-DDE | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | 4,4'-DDE | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | 4,4'-DDT | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | 4,4'-DDT | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | 4,4'-Methylenebis(2-chloroaniline) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4,6-Dinitro-2-methylphenol | 11/02/89 | 72 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Aminobiphenyl | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Bromophenylphenyl ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Chloro-3-methylphenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Chloroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Methyl-2-pentanone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 50 | H000B244 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 4/06/90 | 16 | 10 | 4 | | U | ppb | 50 | H000B245 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | 4-Methyl-2-pentanone | 2/27/92 | 16 | 50 | | | U | ppb | 50 | B01VY6 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 4/30/92 | 16 | 50 | | | U | ppb | 50 | B06DY3 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074N1 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 8/12/92 | 16 | 50 | | | U | ppb | 50 | B074N2 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 12/03/92 | 16 | 50 | | | U | ppb | 50 | B07QG3 | SW-846 8240 |
| 299-W19-27 | 4-Methyl-2-pentanone | 2/03/93 | 16 | 50 | | | U | ppb | 50 | B08415 | SW-846 8240 |
| 299-W19-27 | 4-Nitroaniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Nitrophenol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 4-Nitroquinoline-1-oxide | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 5-(Aminomethyl)-3-isoxazolol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 5-Nitro-o-toluidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 7,12-Dimethylbenz[a]anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | 7H-Dibenzo[c,g]carbazole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acenaphthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acenaphthylene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acetone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 100 | H000B244 | SW-846 8240 |
| 299-W19-27 | Acetone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acetone | 4/06/90 | 16 | 10 | 4 | | U | ppb | 100 | H000B245 | SW-846 8240 |
| 299-W19-27 | Acetone | 2/27/92 | 16 | 100 | | | U | ppb | 100 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Acetone | 4/30/92 | 16 | 100 | | | U | ppb | 100 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N1 | SW-846 8240 |
| 299-W19-27 | Acetone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N2 | SW-846 8240 |
| 299-W19-27 | Acetone | 12/03/92 | 16 | 74 | | | B | ppb | 100 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Acetone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08415 | SW-846 8240 |
| 299-W19-27 | Acetonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 200 | H000B244 | SW-846 8240 |
| 299-W19-27 | Acetophenone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acrolein | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Acrylamide | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Acrylonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Aldrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Aldrin | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Alkalinity | 6/29/93 | 52 | 90 | | | | ppm | 50 | B08MQ6 | ASTM D-1067-A |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Allyl alcohol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Alpha,alpha-Dimethylphenethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Alpha-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Alpha-BHC | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aluminum | 11/02/89 | 34 | 150 | 20 | Y | U | ppb | 200 | H000B244 | SW-846 6010 |
| 299-W19-27 | Aluminum | 11/02/89 | 35 | 150 | 20 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aluminum | 4/06/90 | 34 | 150 | 20 | Y | U | ppb | 200 | H000B245 | SW-846 6010 |
| 299-W19-27 | Aluminum | 6/29/93 | 34 | 33 | | | U | ppb | 200 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Aluminum | 6/29/93 | 34 | 33 | | Y | U | ppb | 200 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Aluminum | 8/26/93 | 34 | 39 | | Y | L | ppb | 200 | B091J4 | SW-846 6010 |
| 299-W19-27 | Americium-241 | 11/02/89 | 77 | 0 | 0 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Americium-241 | 2/27/92 | 147 | -0 | 0 | | U | pCi/L | 0 | B01VY6 | ITAS Am-241 |
| 299-W19-27 | Americium-241 | 2/03/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08415 | ITAS Am-241 |
| 299-W19-27 | Americium-241 | 6/29/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08MQ6 | ITAS Am-241 |
| 299-W19-27 | Amitrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ammonium ion | 11/02/89 | 54 | 50 | 7 | | U | ppb | 100 | H000B244 | ASTM D-1426-D |
| 299-W19-27 | Ammonium ion | 6/29/93 | 54 | 39 | | | U | ppb | 100 | B08MQ6 | ASTM D-1426-D |
| 299-W19-27 | Aniline | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Antimony | 11/02/89 | 35 | 100 | 14 | | U | ppb | | H000B244 | |
| 299-W19-27 | Antimony | 2/03/93 | 34 | 200 | | | U | ppb | 200 | B08415 | SW-846 6010 |
| 299-W19-27 | Antimony | 6/29/93 | 34 | 69 | | | U | ppb | 200 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 11/02/89 | 34 | 100 | 14 | Y | U | ppb | 200 | H000B244 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 4/06/90 | 34 | 100 | 14 | Y | U | ppb | 200 | H000B245 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 4/30/92 | 34 | 200 | | Y | U | ppb | 200 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 8/12/92 | 34 | 200 | | Y | U | ppb | 200 | B074N3 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 8/12/92 | 34 | 200 | | Y | U | ppb | 200 | B074N4 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 12/03/92 | 34 | 200 | | Y | U | ppb | 200 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 2/03/93 | 34 | 200 | | Y | U | ppb | 200 | B08416 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 6/29/93 | 34 | 69 | | Y | U | ppb | 200 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Antimony, filtered | 8/26/93 | 34 | 69 | | Y | U | ppb | 200 | B091J4 | SW-846 6010 |
| 299-W19-27 | Antimony-125 | 2/03/93 | 140 | -6 | 22 | | U | pCi/L | | B08415 | ITAS Gamma Scan |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Aramite | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1016 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1016 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1221 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1221 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1232 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1232 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1242 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1242 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1248 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1248 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1254 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1254 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Aroclor-1260 | 11/02/89 | 33 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Aroclor-1260 | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Arsenic | 11/02/89 | 43 | 12 | 4 | | | ppb | 5 | H000B244 | SW-846 7060 |
| 299-W19-27 | Arsenic | 6/29/93 | 43 | 13 | 10 | | | ppb | 5 | B08MQ6 | SW-846 7060 |
| 299-W19-27 | Arsenic, filtered | 11/02/89 | 76 | 12 | 4 | Y | | ppb | | H000B244 | |
| 299-W19-27 | Arsenic, filtered | 6/29/93 | 43 | 12 | 10 | Y | | ppb | 5 | B08MQ7 | SW-846 7060 |
| 299-W19-27 | Auramine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Barium | 11/02/89 | 35 | 21 | 3 | | | ppb | | H000B244 | |
| 299-W19-27 | Barium | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Barium | 6/29/93 | 34 | 0 | | | U | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 11/02/89 | 34 | 18 | 3 | Y | | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 4/06/90 | 34 | 16 | 3 | Y | | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N4 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 6/29/93 | 34 | 0 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Barium, filtered | 8/26/93 | 34 | 18 | 0 | Y | L | ppb | 20 | B091J4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Benz[c]acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Benzene | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Benzene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Benzene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Benzene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Benzene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Benzene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Benzene, dichloromethyl- | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzenethiol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(a)anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(a)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(b)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(ghi)perylene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(j)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzo(k)fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzyl alcohol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Benzyl chloride | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Beryllium | 11/02/89 | 35 | 5 | 1 | | U | ppb | | H000B244 | |
| 299-W19-27 | Beryllium | 2/03/93 | 34 | 3 | | | U | ppb | 3 | B08415 | SW-846 6010 |
| 299-W19-27 | Beryllium | 6/29/93 | 34 | 1 | | | U | ppb | 3 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 11/02/89 | 34 | 5 | 1 | Y | U | ppb | 3 | H000B244 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 4/06/90 | 34 | 5 | 1 | Y | U | ppb | 3 | H000B245 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 4/30/92 | 34 | 3 | | Y | U | ppb | 3 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 8/12/92 | 34 | 3 | | Y | U | ppb | 3 | B074N3 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 8/12/92 | 34 | 3 | | Y | U | ppb | 3 | B074N4 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 12/03/92 | 34 | 3 | | Y | U | ppb | 3 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 2/03/93 | 34 | 3 | | Y | U | ppb | 3 | B08416 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 6/29/93 | 34 | 1 | | Y | U | ppb | 3 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Beryllium, filtered | 8/26/93 | 34 | 1 | | Y | U | ppb | 3 | B091J4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Beta-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Beta-BHC | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Bis(2-Choroethoxy)methane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Bis(2-chloro-1-methylethyl)ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Bis(2-chloroethyl) ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Bis(2-chloroisopropyl) ether | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Bis(2-ethylhexyl) phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Bis(chloromethyl) ether | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Boron | 11/02/89 | 35 | 36 | 6 | | | ppb | | H000B244 | |
| 299-W19-27 | Boron, filtered | 11/02/89 | 34 | 33 | 6 | Y | | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Boron, filtered | 4/06/90 | 34 | 43 | 7 | Y | | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Bromide | 11/02/89 | 46 | 1000 | 111 | | U | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Bromide | 4/06/90 | 46 | 1000 | 111 | | U | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Bromide | 2/27/92 | 124 | 500 | | | U | ppb | 500 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 4/30/92 | 124 | 500 | | | U | ppb | 500 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 8/12/92 | 124 | 500 | | | U | ppb | 500 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 12/03/92 | 124 | 500 | | | U | ppb | 500 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 2/03/93 | 124 | 500 | | | U | ppb | 500 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Bromide | 6/29/93 | 124 | 53 | | | U | ppb | 500 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Bromoacetone | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Bromodichloromethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Bromoform | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Butylbenzylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Cadmium | 11/02/89 | 35 | 2 | 1 | | U | ppb | | H000B244 | |
| 299-W19-27 | Cadmium | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08415 | SW-846 6010 |
| 299-W19-27 | Cadmium | 6/29/93 | 34 | 5 | | | U | ppb | 10 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 11/02/89 | 34 | 2 | 1 | Y | U | ppb | 10 | H000B244 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 4/06/90 | 34 | 2 | 1 | Y | U | ppb | 10 | H000B245 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 4/30/92 | 34 | 10 | | Y | U | ppb | 10 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074N3 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074N4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Cadmium, filtered | 12/03/92 | 34 | 10 | | Y | U | ppb | 10 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 2/03/93 | 34 | 10 | | Y | U | ppb | 10 | B08416 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 6/29/93 | 34 | 5 | | Y | U | ppb | 10 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Cadmium, filtered | 8/26/93 | 34 | 5 | | Y | U | ppb | 10 | B091J4 | SW-846 6010 |
| 299-W19-27 | Calcium | 11/02/89 | 35 | 16700 | 2150 | | | ppb | | H000B244 | |
| 299-W19-27 | Calcium | 2/03/93 | 34 | 18000 | | | | ppb | 100 | B08415 | SW-846 6010 |
| 299-W19-27 | Calcium | 6/29/93 | 34 | 17000 | 5150 | | | ppb | 100 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 11/02/89 | 34 | 16400 | 2100 | Y | | ppb | 100 | H000B244 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 4/06/90 | 34 | 15600 | 2010 | Y | | ppb | 100 | H000B245 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 4/30/92 | 34 | 18000 | | Y | | ppb | 100 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 8/12/92 | 34 | 11000 | | Y | | ppb | 100 | B074N3 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 8/12/92 | 34 | 18000 | | Y | | ppb | 100 | B074N4 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 12/03/92 | 34 | 18000 | | Y | | ppb | 100 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 2/03/93 | 34 | 17000 | | Y | | ppb | 100 | B08416 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 6/29/93 | 34 | 17000 | 5150 | Y | | ppb | 100 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Calcium, filtered | 8/26/93 | 34 | 18000 | 5450 | Y | | ppb | 100 | B091J4 | SW-846 6010 |
| 299-W19-27 | Carbon disulfide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 11/02/89 | 16 | 7 | 2 | | | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 4/06/90 | 16 | 13 | 3 | | | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 2/27/92 | 16 | 11 | | | | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 4/30/92 | 16 | 17 | | | | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 8/12/92 | 16 | 13 | | | | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 8/12/92 | 16 | 11 | | | | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 12/03/92 | 16 | 17 | | | | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Carbon tetrachloride | 2/03/93 | 16 | 12 | | | | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Carbonphenothion | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B244 | SW-846 8140 |
| 299-W19-27 | Cesium-137 | 7/01/87 | 77 | -2 | 11 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Cesium-137 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Cesium-137 | 8/18/87 | 77 | 0 | 4 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Cesium-137 | 9/16/87 | 77 | -14 | 10 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Cesium-137 | 10/12/87 | 77 | 5 | 7 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Cesium-137 | 11/11/87 | 77 | 1 | 7 | | U | pCi/L | | H000B237 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Cesium-137 | 12/08/87 | 77 | 2 | 6 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Cesium-137 | 1/11/88 | 77 | -1 | 4 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Cesium-137 | 5/18/88 | 77 | -2 | 5 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Cesium-137 | 7/22/88 | 77 | 0 | 5 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Cesium-137 | 11/30/88 | 77 | 3 | 6 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Cesium-137 | 2/01/89 | 77 | 2 | 5 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Cesium-137 | 11/02/89 | 77 | -2 | 7 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Cesium-137 | 2/03/93 | 140 | 7 | 7 | | U | pCi/L | 20 | B08415 | ITAS Gamma Scan |
| 299-W19-27 | Chlordane | 11/02/89 | 17 | 1 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Chlordane | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Chloride | 11/02/89 | 46 | 1300 | 137 | | | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Chloride | 4/06/90 | 46 | 1200 | 127 | | | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Chloride | 2/27/92 | 124 | 1100 | 370 | | | ppb | 200 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 4/30/92 | 124 | 1200 | 404 | | | ppb | 200 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 8/12/92 | 124 | 1100 | 370 | | | ppb | 200 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 8/12/92 | 124 | 1100 | 370 | | | ppb | 200 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 12/03/92 | 124 | 1000 | 337 | | | ppb | 200 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 2/03/93 | 124 | 1000 | 337 | | | ppb | 200 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Chloride | 6/29/93 | 124 | 1300 | 215 | | | ppb | 200 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Chlornaphazine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Chloroalkyl ethers | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Chlorobenzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Chlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Chlorobenzilate | 11/02/89 | 17 | 300 | 75 | | U | ppb | | H000B244 | SW-846 8080 |
| 299-W19-27 | Chloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Chloroform | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Chloroform | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Chloroform | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Chloroform | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Chloroform | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Chloroform | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Chloroform | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Chloromethyl methyl ether | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Chromium | 11/02/89 | 35 | 10 | 5 | | U | ppb | | H000B244 | |
| 299-W19-27 | Chromium | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Chromium | 6/29/93 | 34 | 5 | | | U | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 11/02/89 | 34 | 10 | 5 | Y | U | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 4/06/90 | 34 | 10 | 5 | Y | U | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N4 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 6/29/93 | 34 | 5 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Chromium, filtered | 8/26/93 | 34 | 5 | | Y | U | ppb | 20 | B091J4 | SW-846 6010 |
| 299-W19-27 | Chrysene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Citrus red No. 2 | 11/02/89 | 39 | 1000 | 135 | | U | ppb | | H000B244 | |
| 299-W19-27 | Cobalt | 11/02/89 | 35 | 20 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Cobalt | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Cobalt | 6/29/93 | 34 | 4 | | | U | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 11/02/89 | 34 | 20 | 3 | Y | U | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 4/06/90 | 34 | 20 | 3 | Y | U | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N4 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 6/29/93 | 34 | 4 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Cobalt, filtered | 8/26/93 | 34 | 4 | 1 | Y | L | ppb | 20 | B091J4 | SW-846 6010 |
| 299-W19-27 | Cobalt-60 | 7/01/87 | 77 | 3 | 10 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Cobalt-60 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Cobalt-60 | 8/18/87 | 77 | -8 | 9 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Cobalt-60 | 9/16/87 | 77 | 5 | 5 | | U | pCi/L | | H000B235 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Cobalt-60 | 10/12/87 | 77 | 3 | 4 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Cobalt-60 | 11/11/87 | 77 | 5 | 5 | | U | pCi/L | | H000B237 | |
| 299-W19-27 | Cobalt-60 | 12/08/87 | 77 | 5 | 8 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Cobalt-60 | 1/11/88 | 77 | -1 | 7 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Cobalt-60 | 5/18/88 | 77 | 3 | 4 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Cobalt-60 | 7/22/88 | 77 | -0 | 7 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Cobalt-60 | 11/30/88 | 77 | 5 | 7 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Cobalt-60 | 2/01/89 | 77 | 0 | 6 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Cobalt-60 | 11/02/89 | 77 | -0 | 4 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Cobalt-60 | 2/03/93 | 140 | -0 | 7 | | U | pCi/L | | B08415 | ITAS Gamma Scan |
| 299-W19-27 | Copper | 11/02/89 | 35 | 10 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Copper | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Copper | 6/29/93 | 34 | 3 | | | U | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 11/02/89 | 34 | 10 | 3 | Y | U | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 4/06/90 | 34 | 10 | 3 | Y | U | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N4 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 6/29/93 | 34 | 3 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Copper, filtered | 8/26/93 | 34 | 3 | | Y | U | ppb | 20 | B091J4 | SW-846 6010 |
| 299-W19-27 | Cresols (methylphenols) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Crotonaldehyde | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Cyanide | 11/02/89 | 56 | 10 | 3 | | U | ppb | 20 | H000B244 | SW-846 9010 |
| 299-W19-27 | Cyanide | 2/27/92 | 56 | 20 | | | U | ppb | 20 | B01VD9 | SW-846 9010 |
| 299-W19-27 | Cyanide | 6/29/93 | 56 | 1 | | | U | ppb | 20 | B08MQ6 | SW-846 9010 |
| 299-W19-27 | Delta-BHC | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Delta-BHC | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Di-n-butylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Di-n-octylphthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Diallate | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Dibenz(a,j)acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenz[a,h]acridine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenz[a,h]anthracene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenzo(a,e)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenzo[a,h]pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenzo[a,i]pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibenzofuran | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dibromochloromethane | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Dibromomethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Dibutyl Phosphate | 11/02/89 | 57 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dichlorodifluoromethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Dieldrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Dieldrin | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Diethyl phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Diethylstilbesterol | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dihydrosafrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dimethoate | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B244 | SW-846 8140 |
| 299-W19-27 | Dimethyl phthalate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Dinoseb | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Diphenylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Disulfoton | 11/02/89 | 29 | 2 | 1 | | U | ppb | 2 | H000B244 | SW-846 8140 |
| 299-W19-27 | Disulfoton | 6/29/93 | 29 | 0 | | | U | ppb | 2 | B08MQ6 | SW-846 8140 |
| 299-W19-27 | Endosulfan I | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Endosulfan I | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Endosulfan II | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Endosulfan II | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Endosulfan sulfate | 11/02/89 | 17 | 1 | 0 | | U | ppb | 1 | H000B244 | SW-846 8080 |
| 299-W19-27 | Endosulfan sulfate | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Endrin | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Endrin | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Endrin Aldehyde | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Ethanol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Ethyl carbamate (Urethane) | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethyl cyanide | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethyl methacrylate | 11/02/89 | 50 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethyl methanesulfonate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethylbenzene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Ethylene Glycol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethylene oxide | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Ethyleneimine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ethylenethiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B244 | |
| 299-W19-27 | Fluoranthene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Fluorene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Fluoride | 2/27/92 | 124 | 400 | 84 | | | ppb | 100 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 4/30/92 | 124 | 400 | 84 | | | ppb | 100 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 8/12/92 | 124 | 400 | 84 | | | ppb | 100 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 8/12/92 | 124 | 400 | 84 | | | ppb | 100 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 12/03/92 | 124 | 400 | 84 | | | ppb | 100 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 2/03/93 | 124 | 500 | 105 | | | ppb | 100 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Fluoride | 6/29/93 | 124 | 600 | 39 | | | ppb | 100 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Fluorine | 11/02/89 | 46 | 500 | 56 | | | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Fluorine | 4/06/90 | 46 | 500 | 56 | | U | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Formaldehyde | 11/02/89 | 16 | 500 | 175 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Gross alpha | 7/01/87 | 77 | 9 | 2 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Gross alpha | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Gross alpha | 8/18/87 | 77 | 9 | 2 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Gross alpha | 9/16/87 | 77 | 10 | 2 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Gross alpha | 10/12/87 | 77 | 9 | 2 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Gross alpha | 11/11/87 | 77 | 10 | 2 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Gross alpha | 12/08/87 | 77 | 9 | 2 | | | pCi/L | | H000B238 | |
| 299-W19-27 | Gross alpha | 1/11/88 | 77 | 7 | 2 | | | pCi/L | | H000B239 | |
| 299-W19-27 | Gross alpha | 5/18/88 | 77 | 7 | 2 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Gross alpha | 7/22/88 | 77 | 9 | 2 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Gross alpha | 11/30/88 | 77 | 10 | 2 | | | pCi/L | | H000B242 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Gross alpha | 2/01/89 | 77 | 9 | 3 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Gross alpha | 11/02/89 | 77 | 4 | 2 | | | pCi/L | | H000B244 | |
| 299-W19-27 | Gross alpha | 4/06/90 | 77 | 10 | 3 | | | pCi/L | | H000B245 | |
| 299-W19-27 | Gross alpha | 12/03/91 | 135 | 22 | 5 | | | pCi/L | 4 | H00072Z4 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 2/27/92 | 135 | 15 | 4 | | | pCi/L | 4 | B01VY6 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 4/30/92 | 135 | 11 | 4 | | | pCi/L | 4 | B06DY3 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 8/12/92 | 135 | 13 | 4 | | | pCi/L | 4 | B074N1 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 8/12/92 | 135 | 14 | 4 | | | pCi/L | 4 | B074N2 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 12/03/92 | 135 | 14 | 5 | | | pCi/L | 4 | B07QG3 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 2/03/93 | 135 | 11 | 3 | | | pCi/L | 4 | B08415 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 6/29/93 | 135 | 9 | 3 | | | pCi/L | 4 | B08MQ6 | SW-846 9310, Alpha |
| 299-W19-27 | Gross alpha | 8/26/93 | 135 | 13 | 4 | | | pCi/L | 4 | B091J3 | SW-846 9310, Alpha |
| 299-W19-27 | Gross beta | 7/01/87 | 77 | 15 | 3 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Gross beta | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Gross beta | 8/18/87 | 77 | 19 | 4 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Gross beta | 9/16/87 | 77 | 12 | 3 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Gross beta | 10/12/87 | 77 | 18 | 3 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Gross beta | 11/11/87 | 77 | 13 | 3 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Gross beta | 12/08/87 | 77 | 17 | 3 | | | pCi/L | | H000B238 | |
| 299-W19-27 | Gross beta | 1/11/88 | 77 | 14 | 3 | | | pCi/L | | H000B239 | |
| 299-W19-27 | Gross beta | 5/18/88 | 77 | 10 | 3 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Gross beta | 7/22/88 | 77 | 7 | 2 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Gross beta | 11/30/88 | 77 | 7 | 2 | | | pCi/L | | H000B242 | |
| 299-W19-27 | Gross beta | 2/01/89 | 77 | 4 | 2 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Gross beta | 11/02/89 | 77 | 6 | 3 | | | pCi/L | | H000B244 | |
| 299-W19-27 | Gross beta | 4/06/90 | 77 | 9 | 3 | | | pCi/L | | H000B245 | |
| 299-W19-27 | Gross beta | 12/03/91 | 136 | 7 | 3 | | | pCi/L | 8 | H00072Z4 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 2/27/92 | 136 | 5 | 2 | | U | pCi/L | 8 | B01VY6 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 4/30/92 | 136 | 1 | 2 | | U | pCi/L | 8 | B06DY3 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 8/12/92 | 136 | 3 | 2 | | U | pCi/L | 8 | B074N1 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 8/12/92 | 136 | 5 | 2 | | U | pCi/L | 8 | B074N2 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 12/03/92 | 136 | 6 | 3 | | U | pCi/L | 8 | B07QG3 | SW-846 9310, Beta |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Gross beta | 2/03/93 | 136 | 3 | 2 | | U | pCi/L | 8 | B08415 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 6/29/93 | 136 | 6 | 3 | | | pCi/L | 8 | B08MQ6 | SW-846 9310, Beta |
| 299-W19-27 | Gross beta | 8/26/93 | 136 | 1 | 2 | | U | pCi/L | 8 | B091J3 | SW-846 9310, Beta |
| 299-W19-27 | Heptachlor | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | Heptachlor | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Heptachlor epoxide | 11/02/89 | 17 | 0 | 0 | | U | ppb | 1 | H000B244 | SW-846 8080 |
| 299-W19-27 | Heptachlor epoxide | 6/29/93 | 17 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Hexachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hexachlorobutadiene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hexachlorocyclopentadiene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hexachloroethane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hexachlorophene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hexachloropropene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Hydrazine | 11/02/89 | 36 | 30 | 5 | | U | ppb | 30 | H000B244 | ASTM D-1385 |
| 299-W19-27 | Indeno(1,2,3-cd)pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Iodine-129 | 4/06/90 | 77 | -0 | 0 | | U | pCi/L | | H000B245 | |
| 299-W19-27 | Iodine-129 | 2/27/92 | 139 | 0 | 0 | | U | pCi/L | 1 | B01VD9 | ITAS I-129 Low Level |
| 299-W19-27 | Iron | 11/02/89 | 35 | 36 | 10 | | | ppb | | H000B244 | |
| 299-W19-27 | Iron | 2/03/93 | 34 | 30 | 26 | | | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Iron | 6/29/93 | 34 | 60 | 27 | | | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 11/02/89 | 34 | 30 | 10 | Y | U | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 4/06/90 | 34 | 30 | 10 | Y | U | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 8/12/92 | 34 | 35 | 30 | Y | | ppb | 20 | B074N4 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 6/29/93 | 34 | 10 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Iron, filtered | 8/26/93 | 34 | 10 | | Y | U | ppb | 20 | B091J4 | SW-846 6010 |
| 299-W19-27 | Isobutyl alcohol | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Isodrin | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |
| 299-W19-27 | Isophorone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Isosafrole | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Kepone | 11/02/89 | 17 | 1 | 0 | | U | ppb | | H000B244 | SW-846 8080 |
| 299-W19-27 | Kerosene | 11/02/89 | 21 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Lead | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Lead | 6/29/93 | 40 | 1 | 0 | | L | ppb | 5 | B08MQ6 | SW-846 7421 |
| 299-W19-27 | Lead, filtered | 11/02/89 | 40 | 5 | 3 | Y | U | ppb | 5 | H000B244 | SW-846 7421 |
| 299-W19-27 | Lead, filtered | 6/29/93 | 40 | 1 | | Y | U | ppb | 5 | B08MQ7 | SW-846 7421 |
| 299-W19-27 | Lithium | 11/02/89 | 34 | 10 | 2 | Y | U | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Lithium | 11/02/89 | 35 | 10 | 2 | | U | ppb | | H000B244 | |
| 299-W19-27 | Lithium | 4/06/90 | 34 | 10 | 2 | Y | U | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Magnesium | 11/02/89 | 35 | 5440 | 885 | | | ppb | | H000B244 | |
| 299-W19-27 | Magnesium | 2/03/93 | 34 | 5400 | | | | ppb | 100 | B08415 | SW-846 6010 |
| 299-W19-27 | Magnesium | 6/29/93 | 34 | 5200 | 2730 | | | ppb | 100 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 11/02/89 | 34 | 5290 | 861 | Y | | ppb | 100 | H000B244 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 4/06/90 | 34 | 4950 | 806 | Y | | ppb | 100 | H000B245 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 4/30/92 | 34 | 5500 | | Y | | ppb | 100 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 8/12/92 | 34 | 3300 | | Y | | ppb | 100 | B074N3 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 8/12/92 | 34 | 5300 | | Y | | ppb | 100 | B074N4 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 12/03/92 | 34 | 5600 | | Y | | ppb | 100 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 2/03/93 | 34 | 5200 | | Y | | ppb | 100 | B08416 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 6/29/93 | 34 | 5300 | 2780 | Y | | ppb | 100 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Magnesium, filtered | 8/26/93 | 34 | 5200 | 2730 | Y | | ppb | 100 | B091J4 | SW-846 6010 |
| 299-W19-27 | Maleic hydrazide | 11/02/89 | 21 | 500 | 175 | | U | ppb | | H000B244 | |
| 299-W19-27 | Malononitrile | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Manganese | 11/02/89 | 35 | 5 | 2 | | U | ppb | | H000B244 | |
| 299-W19-27 | Manganese | 2/03/93 | 34 | 10 | | | U | ppb | 10 | B08415 | SW-846 6010 |
| 299-W19-27 | Manganese | 6/29/93 | 34 | 1 | | | U | ppb | 10 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 11/02/89 | 34 | 5 | 2 | Y | U | ppb | 10 | H000B244 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 4/06/90 | 34 | 5 | 2 | Y | U | ppb | 10 | H000B245 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 4/30/92 | 34 | 10 | | Y | U | ppb | 10 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074N3 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074N4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Manganese, filtered | 12/03/92 | 34 | 10 | | Y | U | ppb | 10 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 2/03/93 | 34 | 10 | | Y | U | ppb | 10 | B08416 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 6/29/93 | 34 | 1 | | Y | U | ppb | 10 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Manganese, filtered | 8/26/93 | 34 | 2 | 0 | Y | L | ppb | 10 | B091J4 | SW-846 6010 |
| 299-W19-27 | Melphalan | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Mercury | 6/29/93 | 41 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 7470 |
| 299-W19-27 | Mercury, filtered | 11/02/89 | 41 | 0 | 0 | Y | U | ppb | 0 | H000B244 | SW-846 7470 |
| 299-W19-27 | Mercury, filtered | 6/29/93 | 41 | 0 | | Y | U | ppb | 0 | B08MQ7 | SW-846 7470 |
| 299-W19-27 | Methacrylonitrile | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methanethiol | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Methapyrilene | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |
| 299-W19-27 | Metholonyl | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Methoxychlor | 11/02/89 | 17 | 3 | 1 | | U | ppb | 2 | H000B244 | SW-846 8080 |
| 299-W19-27 | Methoxychlor | 6/29/93 | 17 | 0 | | | U | ppb | 2 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Methyl Iodide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methyl bromide | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methyl chloride | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 11/02/89 | 16 | 10 | 4 | | U | ppb | 100 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 4/06/90 | 16 | 10 | 4 | | U | ppb | 100 | H000B245 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 2/27/92 | 16 | 100 | | | U | ppb | 100 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 4/30/92 | 16 | 100 | | | U | ppb | 100 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N1 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 8/12/92 | 16 | 100 | | | U | ppb | 100 | B074N2 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 12/03/92 | 16 | 100 | | | U | ppb | 100 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Methyl ethyl ketone | 2/03/93 | 16 | 100 | | | U | ppb | 100 | B08415 | SW-846 8240 |
| 299-W19-27 | Methyl methacrylate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Methyl methanesulfonate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Methyl parathion | 11/02/89 | 29 | 2 | 1 | | U | ppb | 1 | H000B244 | SW-846 8140 |
| 299-W19-27 | Methyl parathion | 6/29/93 | 29 | 0 | | | U | ppb | 1 | B08MQ6 | SW-846 8140 |
| 299-W19-27 | Methylene chloride | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Methylene chloride | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Methylene chloride | 2/03/93 | 16 | 1 | | | BJU | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Methylthiouracil | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Molybdenum | 11/02/89 | 34 | 40 | 5 | Y | U | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Molybdenum | 11/02/89 | 35 | 40 | 5 | | U | ppb | | H000B244 | |
| 299-W19-27 | Molybdenum | 4/06/90 | 34 | 40 | 5 | Y | U | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Monobutyl Phosphate | 11/02/89 | 57 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | N,N-Diethylhydrazine | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | N-Nitroso-N-methylurethane | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitroso-di-n-dipropylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosodi-n-butylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosodiethanolamine | 11/02/89 | 79 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosodiethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosodimethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosodiphenylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosomethylethylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosomethylvinylamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosomorpholine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosonornicotine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Nitrosopiperidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Phenylthiourea | 11/02/89 | 18 | 500 | 150 | | U | ppb | | H000B244 | |
| 299-W19-27 | N-Propylamine | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Naphthalene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Nickel | 11/02/89 | 35 | 10 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Nickel | 2/03/93 | 34 | 30 | | | U | ppb | 30 | B08415 | SW-846 6010 |
| 299-W19-27 | Nickel | 6/29/93 | 34 | 18 | | | U | ppb | 30 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 11/02/89 | 34 | 10 | 3 | Y | U | ppb | 30 | H000B244 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 4/06/90 | 34 | 10 | 3 | Y | U | ppb | 30 | H000B245 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 4/30/92 | 34 | 30 | | Y | U | ppb | 30 | B06DY4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Nickel, filtered | 8/12/92 | 34 | 30 | | Y | U | ppb | 30 | B074N3 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 8/12/92 | 34 | 30 | | Y | U | ppb | 30 | B074N4 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 12/03/92 | 34 | 30 | | Y | U | ppb | 30 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 2/03/93 | 34 | 30 | | Y | U | ppb | 30 | B08416 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 6/29/93 | 34 | 18 | | Y | U | ppb | 30 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Nickel, filtered | 8/26/93 | 34 | 18 | | Y | U | ppb | 30 | B091J4 | SW-846 6010 |
| 299-W19-27 | Nicotinic acid | 11/02/89 | 21 | 100 | 35 | | U | ppb | | H000B244 | |
| 299-W19-27 | Nitrate | 7/01/87 | 46 | 3440 | | | | ppb | | H000B232 | EPA 300.0 |
| 299-W19-27 | Nitrate | 7/20/87 | 46 | | | | | ppb | | H000B233 | EPA 300.0 |
| 299-W19-27 | Nitrate | 8/18/87 | 46 | 2500 | | | U | ppb | | H000B234 | EPA 300.0 |
| 299-W19-27 | Nitrate | 9/16/87 | 46 | 2970 | | | | ppb | | H000B235 | EPA 300.0 |
| 299-W19-27 | Nitrate | 10/12/87 | 46 | 3860 | | | | ppb | | H000B236 | EPA 300.0 |
| 299-W19-27 | Nitrate | 11/11/87 | 46 | 3750 | | | | ppb | | H000B237 | EPA 300.0 |
| 299-W19-27 | Nitrate | 12/08/87 | 46 | 2500 | | | U | ppb | | H000B238 | EPA 300.0 |
| 299-W19-27 | Nitrate | 1/11/88 | 46 | 2580 | | | | ppb | | H000B239 | EPA 300.0 |
| 299-W19-27 | Nitrate | 5/18/88 | 46 | 2500 | | | U | ppb | | H000B240 | EPA 300.0 |
| 299-W19-27 | Nitrate | 7/22/88 | 46 | 2500 | | | U | ppb | | H000B241 | EPA 300.0 |
| 299-W19-27 | Nitrate | 2/01/89 | 46 | 2500 | 261 | | U | ppb | | H000B243 | EPA 300.0 |
| 299-W19-27 | Nitrate | 11/02/89 | 46 | 900 | 113 | | | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Nitrate | 4/06/90 | 46 | 900 | 113 | | | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Nitrate | 2/27/92 | 124 | 900 | 507 | | | ppb | 200 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 4/30/92 | 124 | 800 | 450 | | | ppb | 200 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 8/12/92 | 124 | 600 | 338 | | | ppb | 200 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 8/12/92 | 124 | 700 | 394 | | | ppb | 200 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 12/03/92 | 124 | 600 | 338 | | | ppb | 200 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 2/03/93 | 124 | 500 | 281 | | | ppb | 200 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Nitrate | 6/29/93 | 124 | 600 | 52 | | | ppb | 200 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 11/02/89 | 55 | 1000 | 118 | | U | ppb | | H000B244 | |
| 299-W19-27 | Nitrite | 4/06/90 | 55 | 1000 | 118 | | U | ppb | | H000B245 | |
| 299-W19-27 | Nitrite | 2/27/92 | 124 | 200 | | | U | ppb | 200 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 4/30/92 | 124 | 200 | | | U | ppb | 200 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074N1 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Nitrite | 8/12/92 | 124 | 200 | | | U | ppb | 200 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 12/03/92 | 124 | 200 | | | U | ppb | 200 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 2/03/93 | 124 | 200 | | | U | ppb | 200 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Nitrite | 6/29/93 | 124 | 38 | | | U | ppb | 200 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Nitrobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Nitrosopyrrolidine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | O,O,O-Triethyl phosphorothioate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | O,O-diethylO-2-pyrazinylphosphor.. | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |
| 299-W19-27 | PCDDs | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8280 |
| 299-W19-27 | PCDFs | 11/02/89 | 51 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8280 |
| 299-W19-27 | Paraldehyde | 11/02/89 | 28 | 10000 | 3500 | | U | ppb | | H000B244 | |
| 299-W19-27 | Parathion | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B244 | SW-846 8140 |
| 299-W19-27 | Pentachlorobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Pentachloroethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Pentachloronitrobenzene (PCNB) | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Pentachlorophenol | 11/02/89 | 21 | 50 | 18 | | U | ppb | | H000B244 | |
| 299-W19-27 | Perchlorate | 11/02/89 | 46 | 500 | 52 | | U | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Phenacetin | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Phenanthrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Phenol | 11/02/89 | 32 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Phenylenediamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Phorate | 11/02/89 | 29 | 2 | 1 | | U | ppb | 2 | H000B244 | SW-846 8140 |
| 299-W19-27 | Phorate | 6/29/93 | 29 | 0 | | | U | ppb | 2 | B08MQ6 | SW-846 8140 |
| 299-W19-27 | Phosphate | 11/02/89 | 46 | 1000 | 141 | | U | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Phosphate | 4/06/90 | 46 | 1000 | 141 | | U | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Phosphate | 2/27/92 | 124 | 400 | | | U | ppb | 400 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 2/27/92 | 124 | 400 | | | U | ppb | 500 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 4/30/92 | 124 | 400 | | | U | ppb | 400 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 4/30/92 | 124 | 400 | | | U | ppb | 500 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 400 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 500 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 400 | B074N2 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Phosphate | 8/12/92 | 124 | 400 | | | U | ppb | 500 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 12/03/92 | 124 | 400 | | | U | ppb | 400 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 12/03/92 | 124 | 400 | | | U | ppb | 500 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 400 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 2/03/93 | 124 | 400 | | | U | ppb | 500 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 6/29/93 | 124 | 147 | | | U | ppb | 400 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Phosphate | 6/29/93 | 124 | 147 | | | U | ppb | 500 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Phthalic acid esters | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Plutonium-238 | 7/01/87 | 77 | 0 | 0 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Plutonium-238 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Plutonium-238 | 8/18/87 | 77 | 0 | 0 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Plutonium-238 | 9/16/87 | 77 | 0 | 0 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Plutonium-238 | 10/12/87 | 77 | -0 | 0 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Plutonium-238 | 11/11/87 | 77 | -0 | 0 | | U | pCi/L | | H000B237 | |
| 299-W19-27 | Plutonium-238 | 12/08/87 | 77 | -0 | 0 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Plutonium-238 | 1/11/88 | 77 | -0 | 0 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Plutonium-238 | 5/18/88 | 77 | -0 | 0 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Plutonium-238 | 7/22/88 | 77 | -0 | 0 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Plutonium-238 | 11/30/88 | 77 | -0 | 0 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Plutonium-238 | 2/01/89 | 77 | -0 | 0 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Plutonium-238 | 11/02/89 | 77 | -0 | 0 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Plutonium-238 | 6/29/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MQ6 | ITAS Isotopic Pu |
| 299-W19-27 | Plutonium-239/40 | 7/01/87 | 77 | 0 | 0 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Plutonium-239/40 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Plutonium-239/40 | 8/18/87 | 77 | 0 | 0 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Plutonium-239/40 | 9/16/87 | 77 | -0 | 0 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Plutonium-239/40 | 10/12/87 | 77 | 0 | 0 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Plutonium-239/40 | 11/11/87 | 77 | -0 | 0 | | U | pCi/L | | H000B237 | |
| 299-W19-27 | Plutonium-239/40 | 12/08/87 | 77 | -0 | 0 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Plutonium-239/40 | 1/11/88 | 77 | -0 | 0 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Plutonium-239/40 | 5/18/88 | 77 | 0 | 0 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Plutonium-239/40 | 7/22/88 | 77 | 0 | 0 | | U | pCi/L | | H000B241 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Plutonium-239/40 | 11/30/88 | 77 | 0 | 0 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Plutonium-239/40 | 2/01/89 | 77 | 0 | 0 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Plutonium-239/40 | 11/02/89 | 77 | -0 | 0 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Plutonium-239/40 | 6/29/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MQ6 | ITAS Isotopic Pu |
| 299-W19-27 | Potassium | 11/02/89 | 35 | 3260 | 375 | | | ppb | | H000B244 | |
| 299-W19-27 | Potassium | 2/03/93 | 34 | 4000 | | | | ppb | 300 | B08415 | SW-846 6010 |
| 299-W19-27 | Potassium | 2/03/93 | 34 | 4000 | | | | ppb | 1000 | B08415 | SW-846 6010 |
| 299-W19-27 | Potassium | 6/29/93 | 34 | 3000 | 2870 | | | ppb | 300 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Potassium | 6/29/93 | 34 | 3000 | 2870 | | | ppb | 1000 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 11/02/89 | 34 | 3150 | 363 | Y | | ppb | 300 | H000B244 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 11/02/89 | 34 | 3150 | 363 | Y | | ppb | 1000 | H000B244 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 4/06/90 | 34 | 2880 | 333 | Y | | ppb | 300 | H000B245 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 4/06/90 | 34 | 2880 | 333 | Y | | ppb | 1000 | H000B245 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 4/30/92 | 34 | 3000 | | Y | | ppb | 300 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 4/30/92 | 34 | 3000 | | Y | | ppb | 1000 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/12/92 | 34 | 1900 | | Y | | ppb | 300 | B074N3 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/12/92 | 34 | 1900 | | Y | | ppb | 1000 | B074N3 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/12/92 | 34 | 2900 | | Y | | ppb | 300 | B074N4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/12/92 | 34 | 2900 | | Y | | ppb | 1000 | B074N4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 12/03/92 | 34 | 3400 | | Y | | ppb | 300 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 12/03/92 | 34 | 3400 | | Y | | ppb | 1000 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 2/03/93 | 34 | 3800 | | Y | | ppb | 300 | B08416 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 2/03/93 | 34 | 3800 | | Y | | ppb | 1000 | B08416 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 6/29/93 | 34 | 2900 | 2780 | Y | | ppb | 300 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 6/29/93 | 34 | 2900 | 2780 | Y | | ppb | 1000 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/26/93 | 34 | 3100 | 2970 | Y | | ppb | 300 | B091J4 | SW-846 6010 |
| 299-W19-27 | Potassium, filtered | 8/26/93 | 34 | 3100 | 2970 | Y | | ppb | 1000 | B091J4 | SW-846 6010 |
| 299-W19-27 | Pronamide | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Propionitrile | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Pyrene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Pyridine | 11/02/89 | 16 | 500 | 175 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Radium | 11/02/89 | 77 | -0 | 0 | | U | pCi/L | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Reserpine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Resorcinol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Ruthenium-106 | 7/01/87 | 77 | -200 | 100 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Ruthenium-106 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Ruthenium-106 | 8/18/87 | 77 | -123 | 75 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Ruthenium-106 | 9/16/87 | 77 | 13 | 57 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Ruthenium-106 | 10/12/87 | 77 | 18 | 86 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Ruthenium-106 | 11/11/87 | 77 | 54 | 53 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Ruthenium-106 | 12/08/87 | 77 | -47 | 63 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Ruthenium-106 | 1/11/88 | 77 | 50 | 51 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Ruthenium-106 | 5/18/88 | 77 | 40 | 41 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Ruthenium-106 | 7/22/88 | 77 | -55 | 57 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Ruthenium-106 | 11/30/88 | 77 | 35 | 48 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Ruthenium-106 | 2/01/89 | 77 | -15 | 51 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Ruthenium-106 | 11/02/89 | 77 | 35 | 64 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Ruthenium-106 | 2/03/93 | 140 | 28 | 52 | | U | pCi/L | | B08415 | ITAS Gamma Scan |
| 299-W19-27 | Safrol | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Selenium | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Selenium | 6/29/93 | 48 | 1 | | | U | ppb | 10 | B08MQ6 | SW-846 7740 |
| 299-W19-27 | Selenium, filtered | 11/02/89 | 48 | 5 | 3 | Y | U | ppb | 10 | H000B244 | SW-846 7740 |
| 299-W19-27 | Selenium, filtered | 6/29/93 | 48 | 1 | | Y | U | ppb | 10 | B08MQ7 | SW-846 7740 |
| 299-W19-27 | Silicon | 11/02/89 | 34 | 18700 | 3070 | Y | | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Silicon | 11/02/89 | 35 | 19100 | 3140 | | | ppb | | H000B244 | |
| 299-W19-27 | Silicon | 4/06/90 | 34 | 17800 | 2920 | Y | | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Silver | 11/02/89 | 35 | 10 | 2 | | U | ppb | | H000B244 | |
| 299-W19-27 | Silver | 2/03/93 | 34 | 20 | | | U | ppb | 20 | B08415 | SW-846 6010 |
| 299-W19-27 | Silver | 6/29/93 | 34 | 3 | | | U | ppb | 20 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 11/02/89 | 34 | 10 | 2 | Y | U | ppb | 20 | H000B244 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 4/06/90 | 34 | 10 | 2 | Y | U | ppb | 20 | H000B245 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 4/30/92 | 34 | 20 | | Y | U | ppb | 20 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N3 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 8/12/92 | 34 | 20 | | Y | U | ppb | 20 | B074N4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Silver, filtered | 12/03/92 | 34 | 20 | | Y | U | ppb | 20 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 2/03/93 | 34 | 20 | | Y | U | ppb | 20 | B08416 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 6/29/93 | 34 | 3 | | Y | U | ppb | 20 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Silver, filtered | 8/26/93 | 34 | 3 | 1 | Y | L | ppb | 20 | B091J4 | SW-846 6010 |
| 299-W19-27 | Sodium | 11/02/89 | 35 | 22300 | 2500 | | | ppb | | H000B244 | |
| 299-W19-27 | Sodium | 2/03/93 | 34 | 18000 | | | | ppb | 300 | B08415 | SW-846 6010 |
| 299-W19-27 | Sodium | 6/29/93 | 34 | 18000 | 5620 | | | ppb | 300 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 11/02/89 | 34 | 21700 | 2430 | Y | | ppb | 300 | H000B244 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 4/06/90 | 34 | 20900 | 2340 | Y | | ppb | 300 | H000B245 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 4/30/92 | 34 | 18000 | | Y | | ppb | 300 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 8/12/92 | 34 | 10000 | | Y | | ppb | 300 | B074N3 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 8/12/92 | 34 | 15000 | | Y | | ppb | 300 | B074N4 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 12/03/92 | 34 | 17000 | | Y | | ppb | 300 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 2/03/93 | 34 | 17000 | | Y | | ppb | 300 | B08416 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 6/29/93 | 34 | 18000 | 5620 | Y | | ppb | 300 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Sodium, filtered | 8/26/93 | 34 | 18000 | 5620 | Y | | ppb | 300 | B091J4 | SW-846 6010 |
| 299-W19-27 | Specific conductance | 11/02/89 | 76 | 233 | | | | umhos | | H000B244 | |
| 299-W19-27 | Specific conductance | 4/06/90 | 73 | 231 | 24 | | | umhos | | H000B245 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 4/06/90 | 76 | 270 | | | | umhos | | H000B245 | |
| 299-W19-27 | Specific conductance | 3/20/91 | 76 | 280 | | | | umhos | | H000B246 | |
| 299-W19-27 | Specific conductance | 12/03/91 | 94 | 489 | | | | umhos | 1 | H00072Z4 | Probe, Conductivity |
| 299-W19-27 | Specific conductance | 2/27/92 | 73 | 210 | | | | umhos | | B01VY6 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 2/27/92 | 94 | 230 | | | | umhos | 1 | B01VY6 | Probe, Conductivity |
| 299-W19-27 | Specific conductance | 4/30/92 | 73 | 200 | | | | umhos | | B06DY3 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 4/30/92 | 94 | 208 | | | | umhos | 1 | B06DY3 | Probe, Conductivity |
| 299-W19-27 | Specific conductance | 8/12/92 | 73 | 210 | | | | umhos | | B074N1 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 8/12/92 | 94 | 214 | | | | umhos | 1 | B074N1 | Probe, Conductivity |
| 299-W19-27 | Specific conductance | 8/12/92 | 73 | 210 | | | | umhos | | B074N2 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 12/03/92 | 73 | 200 | | | | umhos | | B07QG3 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 12/03/92 | 94 | 213 | | | | umhos | 1 | B07QG3 | Probe, Conductivity |
| 299-W19-27 | Specific conductance | 2/03/93 | 73 | 200 | | | | umhos | | B08415 | ASTM D-1125-A |
| 299-W19-27 | Specific conductance | 2/03/93 | 94 | 196 | | | | umhos | 1 | B08415 | Probe, Conductivity |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Specific conductance | 8/26/93 | 94 | 198 | | | | umhos | 1 | B091J3 | Probe, Conductivity |
| 299-W19-27 | Strontium | 11/02/89 | 35 | 73 | 9 | | | ppb | | H000B244 | |
| 299-W19-27 | Strontium, filtered | 11/02/89 | 34 | 72 | 9 | Y | | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Strontium, filtered | 4/06/90 | 34 | 68 | 9 | Y | | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Strontium-90 | 7/01/87 | 77 | 0 | 1 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Strontium-90 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Strontium-90 | 8/18/87 | 77 | 0 | 1 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Strontium-90 | 9/16/87 | 77 | -0 | 1 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Strontium-90 | 10/12/87 | 77 | -0 | 1 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Strontium-90 | 11/11/87 | 77 | 0 | 1 | | U | pCi/L | | H000B237 | |
| 299-W19-27 | Strontium-90 | 12/08/87 | 77 | -0 | 1 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Strontium-90 | 1/11/88 | 77 | -0 | 1 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Strontium-90 | 5/18/88 | 77 | -0 | 1 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Strontium-90 | 7/22/88 | 77 | 0 | 1 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Strontium-90 | 11/30/88 | 77 | -0 | 1 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Strontium-90 | 2/01/89 | 77 | 0 | 1 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Strontium-90 | 11/02/89 | 77 | 0 | 1 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Strontium-90 | 2/03/93 | 141 | -1 | 1 | | U | pCi/L | 5 | B08415 | ITAS Sr-90 |
| 299-W19-27 | Strontium-90 | 6/29/93 | 141 | 0 | 0 | | U | pCi/L | 5 | B08MQ6 | ITAS Sr-90 |
| 299-W19-27 | Strychnine | 11/02/89 | 21 | 50 | 18 | | U | ppb | | H000B244 | |
| 299-W19-27 | Styrene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Sulfate | 11/02/89 | 46 | 11500 | 1150 | | | ppb | | H000B244 | EPA 300.0 |
| 299-W19-27 | Sulfate | 4/06/90 | 46 | 11400 | 1140 | | | ppb | | H000B245 | EPA 300.0 |
| 299-W19-27 | Sulfate | 2/27/92 | 124 | 9600 | 9260 | | | ppb | 500 | B01VY6 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 4/30/92 | 124 | 9300 | 8970 | | | ppb | 500 | B06DY3 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 8/12/92 | 124 | 9000 | 8680 | | | ppb | 500 | B074N1 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 8/12/92 | 124 | 9100 | 8780 | | | ppb | 500 | B074N2 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 12/03/92 | 124 | 8700 | 8390 | | | ppb | 500 | B07QG3 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 2/03/93 | 124 | 6600 | 6370 | | | ppb | 500 | B08415 | ASTM D-4327-88 |
| 299-W19-27 | Sulfate | 6/29/93 | 124 | 11000 | 535 | | | ppb | 500 | B08MQ6 | ASTM D-4327-88 |
| 299-W19-27 | Sulfide | 11/02/89 | 63 | 1000 | 208 | | U | ppb | 10000 | H000B244 | SW-846 9030 |
| 299-W19-27 | Sulfide | 6/29/93 | 63 | 300 | | | U | ppb | 10000 | B08MQ6 | SW-846 9030 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Technetium-99 | 2/27/92 | 143 | 1 | 2 | | U | pCi/L | 15 | B01VD9 | ITAS Tc-99 |
| 299-W19-27 | Temperature, field | 11/02/89 | 170 | 18 | | | | DegC | 0 | H000GPG8 | Probe, temperature |
| 299-W19-27 | Temperature, field | 4/06/90 | 170 | 19 | | | | DegC | 0 | H000GQR3 | Probe, temperature |
| 299-W19-27 | Temperature, field | 3/20/91 | 170 | 17 | | | | DegC | 0 | H000GSX4 | Probe, temperature |
| 299-W19-27 | Temperature, field | 12/03/91 | 170 | 15 | | | | DegC | 0 | H00072Z4 | Probe, temperature |
| 299-W19-27 | Temperature, field | 2/27/92 | 170 | 17 | | | | DegC | 0 | B01VY6 | Probe, temperature |
| 299-W19-27 | Temperature, field | 4/30/92 | 170 | 18 | | | | DegC | 0 | B06DY3 | Probe, temperature |
| 299-W19-27 | Temperature, field | 8/12/92 | 170 | 18 | | | | DegC | 0 | B074N1 | Probe, temperature |
| 299-W19-27 | Temperature, field | 12/03/92 | 170 | 18 | | | | DegC | 0 | B07QG3 | Probe, temperature |
| 299-W19-27 | Temperature, field | 2/03/93 | 170 | 18 | | | | DegC | 0 | B08415 | Probe, temperature |
| 299-W19-27 | Temperature, field | 8/26/93 | 170 | 17 | | | | DegC | 0 | B091J3 | Probe, temperature |
| 299-W19-27 | Tetrachloroethene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Tetrachloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Tetraethylpyrophosphate | 11/02/89 | 29 | 2 | 1 | | U | ppb | | H000B244 | SW-846 8140 |
| 299-W19-27 | Tetrahydrofuran | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 4/06/90 | 16 | 10 | 4 | | U | ppb | 10 | H000B245 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 2/27/92 | 16 | 10 | | | U | ppb | 10 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 4/30/92 | 16 | 10 | | | U | ppb | 10 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N1 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N2 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 12/03/92 | 16 | 10 | | | U | ppb | 10 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Tetrahydrofuran | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08415 | SW-846 8240 |
| 299-W19-27 | Thallium | 11/02/89 | 76 | 5 | 3 | | U | ppb | | H000B244 | |
| 299-W19-27 | Thallium | 6/29/93 | 42 | 1 | | | U | ppb | 5 | B08MQ6 | SW-846 7841 |
| 299-W19-27 | Thallium, filtered | 11/02/89 | 42 | 5 | 3 | Y | U | ppb | 5 | H000B244 | SW-846 7841 |
| 299-W19-27 | Thallium, filtered | 6/29/93 | 42 | 1 | | Y | U | ppb | 5 | B08MQ7 | SW-846 7841 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Thiofanox | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Thiourea | 11/02/89 | 18 | 200 | 40 | | U | ppb | | H000B244 | |
| 299-W19-27 | Thiuram | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Tin | 11/02/89 | 35 | 30 | 6 | | U | ppb | | H000B244 | |
| 299-W19-27 | Tin | 2/03/93 | 34 | 100 | | | U | ppb | 100 | B08415 | SW-846 6010 |
| 299-W19-27 | Tin | 6/29/93 | 34 | 51 | | | U | ppb | 100 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 11/02/89 | 34 | 30 | 6 | Y | U | ppb | 100 | H000B244 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 4/06/90 | 34 | 30 | 6 | Y | U | ppb | 100 | H000B245 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 4/30/92 | 34 | 100 | | Y | U | ppb | 100 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 8/12/92 | 34 | 100 | | Y | U | ppb | 100 | B074N3 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 8/12/92 | 34 | 100 | | Y | U | ppb | 100 | B074N4 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 12/03/92 | 34 | 100 | | Y | U | ppb | 100 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 2/03/93 | 34 | 100 | | Y | U | ppb | 100 | B08416 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 6/29/93 | 34 | 51 | | Y | U | ppb | 100 | B08MQ7 | SW-846 6010 |
| 299-W19-27 | Tin, filtered | 8/26/93 | 34 | 51 | | Y | U | ppb | 100 | B091J4 | SW-846 6010 |
| 299-W19-27 | Titanium | 11/02/89 | 34 | 60 | 17 | Y | U | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Titanium | 11/02/89 | 35 | 60 | 17 | | U | ppb | | H000B244 | |
| 299-W19-27 | Titanium | 4/06/90 | 34 | 60 | 17 | Y | U | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | Toluene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Toluene | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Toluene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Toluene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Toluene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Toluene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Toluene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Toluenediamine | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Total Carbon | 11/02/89 | 127 | 23900 | 2570 | | | ppb | 2000 | H000B244 | ASTM D-2579-A |
| 299-W19-27 | Total Dissolved Solids | 11/02/89 | 65 | 123000 | 12400 | | | ppm | 10 | H000B244 | Std Meth #209B |
| 299-W19-27 | Total Dissolved Solids | 6/29/93 | 65 | 170 | | | | ppm | 10 | B08MQ6 | Std Meth #209B |
| 299-W19-27 | Total Organic Carbon | 11/02/89 | 66 | 500 | 66 | | U | ppb | | H000B244 | |
| 299-W19-27 | Total Organic Carbon | 2/27/92 | 122 | 1000 | | | U | ppb | 1000 | B01VY6 | SW-846 9060 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Total Organic Carbon | 4/30/92 | 122 | 1000 | | | U | ppb | 1000 | B06DY3 | SW-846 9060 |
| 299-W19-27 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074N1 | SW-846 9060 |
| 299-W19-27 | Total Organic Carbon | 8/12/92 | 122 | 1000 | | | U | ppb | 1000 | B074N2 | SW-846 9060 |
| 299-W19-27 | Total Organic Carbon | 12/03/92 | 122 | 1000 | | | U | ppb | 1000 | B07QG3 | SW-846 9060 |
| 299-W19-27 | Total Organic Carbon | 2/03/93 | 122 | 1000 | | | U | ppb | 1000 | B08415 | SW-846 9060 |
| 299-W19-27 | Total Organic Carbon | 6/29/93 | 122 | 500 | | | LB | ppb | 1000 | B08MQ6 | SW-846 9060 |
| 299-W19-27 | Total Organic Halogen | 11/02/89 | 67 | 11 | 4 | | | ppb | 10 | H000B244 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 4/06/90 | 67 | 8 | 4 | | U | ppb | 10 | H000B245 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 2/27/92 | 67 | 20 | | | | ppb | 10 | B01VY6 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 4/30/92 | 67 | 10 | | | | ppb | 10 | B06DY3 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 4/30/92 | 67 | 20 | | | | ppb | 10 | B06DY3 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074N1 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 8/12/92 | 67 | 10 | | | U | ppb | 10 | B074N2 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 12/03/92 | 67 | 20 | | | | ppb | 10 | B07QG3 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 12/03/92 | 67 | 20 | 5 | | | ppb | 10 | B07QG3 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 2/03/93 | 67 | 10 | | | | ppb | 10 | B08415 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 6/29/93 | 67 | 8 | | | U | ppb | 10 | B08MQ6 | SW-846 9020 |
| 299-W19-27 | Total Organic Halogen | 8/26/93 | 67 | 8 | | | U | ppb | 10 | B091J3 | SW-846 9020 |
| 299-W19-27 | Toxaphene | 11/02/89 | 37 | 1 | 0 | | U | ppb | | H000B244 | |
| 299-W19-27 | Toxaphene | 6/29/93 | 17 | 1 | | | U | ppb | 2 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | Tributylphosphoric Acid | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Trichloroethene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Trichloroethene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Trichloromethanethiol | 11/02/89 | 16 | 10 | 4 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Trichloromonofluoromethane | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Tris(2,3-dibromopropyl) phosphate | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Tritium | 7/01/87 | 77 | 15 | 252 | | U | pCi/L | | H000B232 | |
| 299-W19-27 | Tritium | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Tritium | 8/18/87 | 77 | 120 | 314 | | U | pCi/L | | H000B234 | |
| 299-W19-27 | Tritium | 9/16/87 | 77 | 159 | 312 | | U | pCi/L | | H000B235 | |
| 299-W19-27 | Tritium | 10/12/87 | 77 | 90 | 326 | | U | pCi/L | | H000B236 | |
| 299-W19-27 | Tritium | 11/11/87 | 77 | 241 | 316 | | U | pCi/L | | H000B237 | |
| 299-W19-27 | Tritium | 12/08/87 | 77 | 112 | 255 | | U | pCi/L | | H000B238 | |
| 299-W19-27 | Tritium | 1/11/88 | 77 | 227 | 370 | | U | pCi/L | | H000B239 | |
| 299-W19-27 | Tritium | 5/18/88 | 77 | 65 | 307 | | U | pCi/L | | H000B240 | |
| 299-W19-27 | Tritium | 7/22/88 | 77 | 138 | 330 | | U | pCi/L | | H000B241 | |
| 299-W19-27 | Tritium | 11/30/88 | 77 | 138 | 311 | | U | pCi/L | | H000B242 | |
| 299-W19-27 | Tritium | 2/01/89 | 77 | 162 | 295 | | U | pCi/L | | H000B243 | |
| 299-W19-27 | Tritium | 11/02/89 | 77 | 114 | 237 | | U | pCi/L | | H000B244 | |
| 299-W19-27 | Tritium | 4/06/90 | 77 | 165 | 222 | | U | pCi/L | | H000B245 | |
| 299-W19-27 | Tritium | 12/03/91 | 142 | 219 | 214 | | | pCi/L | 500 | H00072Z4 | ITAS H-3 |
| 299-W19-27 | Tritium | 2/27/92 | 142 | 104 | 209 | | U | pCi/L | 500 | B01VY6 | ITAS H-3 |
| 299-W19-27 | Tritium | 4/30/92 | 142 | 144 | 232 | | U | pCi/L | 500 | B06DY3 | ITAS H-3 |
| 299-W19-27 | Tritium | 8/12/92 | 142 | 67 | 223 | | U | pCi/L | 500 | B074N1 | ITAS H-3 |
| 299-W19-27 | Tritium | 8/12/92 | 142 | 138 | 226 | | U | pCi/L | 500 | B074N2 | ITAS H-3 |
| 299-W19-27 | Tritium | 12/03/92 | 142 | -1 | 229 | | U | pCi/L | 500 | B07QG3 | ITAS H-3 |
| 299-W19-27 | Tritium | 2/03/93 | 142 | 264 | 224 | | U | pCi/L | 500 | B08415 | ITAS H-3 |
| 299-W19-27 | Tritium | 6/29/93 | 142 | 53 | 225 | | U | pCi/L | 500 | B08MQ6 | ITAS H-3 |
| 299-W19-27 | Tritium | 8/26/93 | 142 | -71 | 220 | | U | pCi/L | 500 | B091J3 | ITAS H-3 |
| 299-W19-27 | Turbidity | 11/02/89 | 76 | 0 | 0 | | | NTU | | H000B244 | |
| 299-W19-27 | Uranium | 7/01/87 | 77 | 12 | 3 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Uranium | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Uranium | 8/18/87 | 77 | 12 | 4 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Uranium | 9/16/87 | 77 | 13 | 5 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Uranium | 10/12/87 | 77 | 13 | 5 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Uranium | 11/11/87 | 77 | 12 | 4 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Uranium | 12/08/87 | 77 | 11 | 4 | | | pCi/L | | H000B238 | |
| 299-W19-27 | Uranium | 1/11/88 | 77 | 11 | 5 | | | pCi/L | | H000B239 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Uranium | 5/18/88 | 77 | 9 | 4 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Uranium | 7/22/88 | 77 | 10 | 4 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Uranium | 11/30/88 | 77 | 14 | 5 | | | pCi/L | | H000B242 | |
| 299-W19-27 | Uranium | 2/01/89 | 77 | 13 | 5 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Uranium | 11/02/89 | 77 | 9 | 2 | | | pCi/L | | H000B244 | |
| 299-W19-27 | Uranium | 4/06/90 | 77 | 8 | 2 | | | pCi/L | | H000B245 | |
| 299-W19-27 | Uranium | 12/03/91 | 145 | 26 | 7 | | | ppb | 1 | H00072Z4 | ITAS Gross U |
| 299-W19-27 | Uranium | 2/27/92 | 145 | 23 | 3 | | | ppb | 1 | B01VY6 | ITAS Gross U |
| 299-W19-27 | Uranium | 4/30/92 | 145 | 23 | 6 | | | ppb | 1 | B06DY3 | ITAS Gross U |
| 299-W19-27 | Uranium | 8/12/92 | 145 | 24 | 7 | | | ppb | 1 | B074N1 | ITAS Gross U |
| 299-W19-27 | Uranium | 8/12/92 | 145 | 18 | 5 | | | ppb | 1 | B074N2 | ITAS Gross U |
| 299-W19-27 | Uranium | 12/03/92 | 145 | 20 | 6 | | | ppb | 1 | B07QG3 | ITAS Gross U |
| 299-W19-27 | Uranium-234 | 7/01/87 | 77 | 4 | 0 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Uranium-234 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Uranium-234 | 8/18/87 | 77 | 5 | 0 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Uranium-234 | 9/16/87 | 77 | 5 | 1 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Uranium-234 | 10/12/87 | 77 | 4 | 0 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Uranium-234 | 11/11/87 | 77 | 5 | 1 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Uranium-234 | 12/08/87 | 77 | 5 | 1 | | | pCi/L | | H000B238 | |
| 299-W19-27 | Uranium-234 | 1/11/88 | 77 | 4 | 0 | | | pCi/L | | H000B239 | |
| 299-W19-27 | Uranium-234 | 5/18/88 | 77 | 4 | 0 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Uranium-234 | 7/22/88 | 77 | 4 | 0 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Uranium-234 | 11/30/88 | 77 | 4 | 0 | | | pCi/L | | H000B242 | |
| 299-W19-27 | Uranium-234 | 2/01/89 | 77 | 4 | 0 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Uranium-234 | 6/29/93 | 148 | 11 | 1 | | | pCi/L | 0 | B08MQ6 | ITAS Isotopic U |
| 299-W19-27 | Uranium-235 | 7/01/87 | 77 | 0 | 0 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Uranium-235 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Uranium-235 | 8/18/87 | 77 | 0 | 0 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Uranium-235 | 9/16/87 | 77 | 0 | 0 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Uranium-235 | 10/12/87 | 77 | 0 | 0 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Uranium-235 | 11/11/87 | 77 | 0 | 0 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Uranium-235 | 12/08/87 | 77 | 0 | 0 | | | pCi/L | | H000B238 | |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Uranium-235 | 1/11/88 | 77 | 0 | 0 | | | pCi/L | | H000B239 | |
| 299-W19-27 | Uranium-235 | 5/18/88 | 77 | 0 | 0 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Uranium-235 | 7/22/88 | 77 | 0 | 0 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Uranium-235 | 11/30/88 | 77 | 1 | 0 | | | pCi/L | | H000B242 | |
| 299-W19-27 | Uranium-235 | 2/01/89 | 77 | 0 | 0 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Uranium-235 | 6/29/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08MQ6 | ITAS Isotopic U |
| 299-W19-27 | Uranium-236 | 9/16/87 | 77 | 0 | 0 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Uranium-238 | 7/01/87 | 77 | 4 | 0 | | | pCi/L | | H000B232 | |
| 299-W19-27 | Uranium-238 | 7/20/87 | 77 | | | | | pCi/L | | H000B233 | |
| 299-W19-27 | Uranium-238 | 8/18/87 | 77 | 5 | 1 | | | pCi/L | | H000B234 | |
| 299-W19-27 | Uranium-238 | 9/16/87 | 77 | 5 | 1 | | | pCi/L | | H000B235 | |
| 299-W19-27 | Uranium-238 | 10/12/87 | 77 | 4 | 0 | | | pCi/L | | H000B236 | |
| 299-W19-27 | Uranium-238 | 11/11/87 | 77 | 5 | 0 | | | pCi/L | | H000B237 | |
| 299-W19-27 | Uranium-238 | 12/08/87 | 77 | 5 | 1 | | | pCi/L | | H000B238 | |
| 299-W19-27 | Uranium-238 | 1/11/88 | 77 | 4 | 0 | | | pCi/L | | H000B239 | |
| 299-W19-27 | Uranium-238 | 5/18/88 | 77 | 4 | 0 | | | pCi/L | | H000B240 | |
| 299-W19-27 | Uranium-238 | 7/22/88 | 77 | 3 | 0 | | | pCi/L | | H000B241 | |
| 299-W19-27 | Uranium-238 | 11/30/88 | 77 | 6 | 1 | | | pCi/L | | H000B242 | |
| 299-W19-27 | Uranium-238 | 2/01/89 | 77 | 4 | 0 | | | pCi/L | | H000B243 | |
| 299-W19-27 | Uranium-238 | 2/03/93 | 145 | 18 | 5 | | | ppb | 1 | B08415 | ITAS Gross U |
| 299-W19-27 | Uranium-238 | 6/29/93 | 148 | 11 | 1 | | | pCi/L | 0 | B08MQ6 | ITAS Isotopic U |
| 299-W19-27 | Vanadium | 11/02/89 | 35 | 39 | 6 | | | ppb | | H000B244 | |
| 299-W19-27 | Vanadium | 2/03/93 | 34 | 30 | | | U | ppb | 30 | B08415 | SW-846 6010 |
| 299-W19-27 | Vanadium | 6/29/93 | 34 | 4 | | | U | ppb | 30 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 11/02/89 | 34 | 36 | 6 | Y | | ppb | 30 | H000B244 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 4/06/90 | 34 | 34 | 6 | Y | | ppb | 30 | H000B245 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 4/30/92 | 34 | 33 | 4 | Y | | ppb | 30 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 8/12/92 | 34 | 30 | | Y | U | ppb | 30 | B074N3 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 8/12/92 | 34 | 30 | 4 | Y | | ppb | 30 | B074N4 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 12/03/92 | 34 | 40 | 5 | Y | | ppb | 30 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 2/03/93 | 34 | 30 | 4 | Y | | ppb | 30 | B08416 | SW-846 6010 |
| 299-W19-27 | Vanadium, filtered | 6/29/93 | 34 | 4 | | Y | U | ppb | 30 | B08MQ7 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Vanadium, filtered | 8/26/93 | 34 | 35 | 7 | Y | | ppb | 30 | B091J4 | SW-846 6010 |
| 299-W19-27 | Vinyl acetate | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 11/02/89 | 16 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 4/06/90 | 16 | 10 | 4 | | U | ppb | 10 | H000B245 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 2/27/92 | 16 | 10 | | | U | ppb | 10 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 4/30/92 | 16 | 10 | | | U | ppb | 10 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N1 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 8/12/92 | 16 | 10 | | | U | ppb | 10 | B074N2 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 12/03/92 | 16 | 10 | | | U | ppb | 10 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Vinyl chloride | 2/03/93 | 16 | 10 | | | U | ppb | 10 | B08415 | SW-846 8240 |
| 299-W19-27 | Warfarin | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | Xylenes | 11/02/89 | 16 | 5 | 2 | | U | ppb | | H000B244 | SW-846 8240 |
| 299-W19-27 | Xylenes | 4/06/90 | 16 | 5 | 2 | | U | ppb | | H000B245 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | Xylenes (total) | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | Zinc | 11/02/89 | 35 | 14 | 4 | | | ppb | | H000B244 | |
| 299-W19-27 | Zinc | 2/03/93 | 34 | 40 | 5 | | | ppb | 10 | B08415 | SW-846 6010 |
| 299-W19-27 | Zinc | 6/29/93 | 34 | 19 | 6 | | | ppb | 10 | B08MQ6 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 11/02/89 | 34 | 8 | 3 | Y | | ppb | 10 | H000B244 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 4/06/90 | 34 | 9 | 3 | Y | | ppb | 10 | H000B245 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 4/30/92 | 34 | 18 | 2 | Y | | ppb | 10 | B06DY4 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 8/12/92 | 34 | 10 | | Y | U | ppb | 10 | B074N3 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 8/12/92 | 34 | 15 | 2 | Y | | ppb | 10 | B074N4 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 12/03/92 | 34 | 10 | | Y | U | ppb | 10 | B07QG4 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 2/03/93 | 34 | 30 | 4 | Y | | ppb | 10 | B08416 | SW-846 6010 |
| 299-W19-27 | Zinc, filtered | 6/29/93 | 34 | 13 | 4 | Y | | ppb | 10 | B08MQ7 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | Zinc, filtered | 8/26/93 | 34 | 60 | 19 | Y | | ppb | 10 | B091J4 | SW-846 6010 |
| 299-W19-27 | Zirconium | 11/02/89 | 34 | 50 | 7 | Y | U | ppb | | H000B244 | SW-846 6010 |
| 299-W19-27 | Zirconium | 11/02/89 | 35 | 50 | 7 | | U | ppb | | H000B244 | |
| 299-W19-27 | Zirconium | 4/06/90 | 34 | 50 | 7 | Y | U | ppb | | H000B245 | SW-846 6010 |
| 299-W19-27 | allylchloride | 11/02/89 | 16 | 100 | 35 | | U | ppb | 100 | H000B244 | SW-846 8240 |
| 299-W19-27 | gamma-BHC (Lindane) | 11/02/89 | 17 | 0 | 0 | | U | ppb | 0 | H000B244 | SW-846 8080 |
| 299-W19-27 | gamma-BHC (Lindane) | 6/29/93 | 17 | 0 | | | U | ppb | 0 | B08MQ6 | SW-846 8080 |
| 299-W19-27 | m-dinitrobenzene | 11/02/89 | 19 | 10 | 4 | | U | ppb | 10 | H000B244 | SW-846 8270 |
| 299-W19-27 | o-Nitroaniline | 11/02/89 | 74 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | o-Nitroaniline | 11/02/89 | 76 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | o-Toluidine hydrochloride | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | p-Benzoquinone | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | p-Dimethylaminoazobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | pH | 11/02/89 | 76 | 7 | | | | | | H000B244 | |
| 299-W19-27 | pH | 4/06/90 | 75 | 8 | 0 | | | | | H000B245 | |
| 299-W19-27 | pH | 4/06/90 | 76 | 8 | | | | | | H000B245 | |
| 299-W19-27 | pH | 3/20/91 | 76 | 8 | | | | | | H000B246 | |
| 299-W19-27 | pH | 12/03/91 | 93 | 7 | | | | | 0 | H0072Z4 | Probe, pH |
| 299-W19-27 | pH | 2/27/92 | 125 | 8 | | | | pH | | B01VY6 | ASTM D-1293 |
| 299-W19-27 | pH | 2/27/92 | 93 | 8 | | | | | 0 | B01VY6 | Probe, pH |
| 299-W19-27 | pH | 4/30/92 | 125 | 8 | | | | pH | | B06DY3 | ASTM D-1293 |
| 299-W19-27 | pH | 4/30/92 | 93 | 820 | | | | | 0 | B06DY3 | Probe, pH |
| 299-W19-27 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074N1 | ASTM D-1293 |
| 299-W19-27 | pH | 8/12/92 | 93 | 8 | | | | | 0 | B074N1 | Probe, pH |
| 299-W19-27 | pH | 8/12/92 | 125 | 8 | | | | pH | | B074N2 | ASTM D-1293 |
| 299-W19-27 | pH | 12/03/92 | 125 | 8 | | | | pH | | B07QG3 | ASTM D-1293 |
| 299-W19-27 | pH | 12/03/92 | 93 | 8 | | | | | 0 | B07QG3 | Probe, pH |
| 299-W19-27 | pH | 2/03/93 | 125 | 8 | | | | pH | | B08415 | ASTM D-1293 |
| 299-W19-27 | pH | 2/03/93 | 93 | 8 | | | | | 0 | B08415 | Probe, pH |
| 299-W19-27 | pH | 6/29/93 | 125 | 8 | | | | pH | | B08MQ6 | ASTM D-1293 |
| 299-W19-27 | pH | 8/26/93 | 125 | 8 | | | | pH | | B091J3 | ASTM D-1293 |
| 299-W19-27 | pH | 8/26/93 | 93 | 8 | | | | | 0 | B091J3 | Probe, pH |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-27 | sym-Trinitrobenzene | 11/02/89 | 21 | 10 | 4 | | U | ppb | | H000B244 | |
| 299-W19-27 | trans-1,2-Dichloroethylene | 11/02/89 | 16 | 5 | 2 | | U | ppb | 5 | H000B244 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 4/06/90 | 16 | 5 | 2 | | U | ppb | 5 | H000B245 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 2/27/92 | 16 | 5 | | | U | ppb | 5 | B01VY6 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 4/30/92 | 16 | 5 | | | U | ppb | 5 | B06DY3 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N1 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 8/12/92 | 16 | 5 | | | U | ppb | 5 | B074N2 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 12/03/92 | 16 | 5 | | | U | ppb | 5 | B07QG3 | SW-846 8240 |
| 299-W19-27 | trans-1,2-Dichloroethylene | 2/03/93 | 16 | 5 | | | U | ppb | 5 | B08415 | SW-846 8240 |
| 299-W19-27 | trans-1,4-dichloro-2-butene | 11/02/89 | 16 | 10 | 4 | | U | ppb | 5 | H000B244 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | 1,1,1,2-Tetrachloroethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,1,1-Trichloroethane | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | 1,1,1-Trichloroethane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,1,1-Trichloroethane | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,1,2,2-Tetrachloroethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,1,2-Trichloroethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,1,2-Trichloroethane | 7/20/93 | 25 | 0 | | | U | ppb | 0 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,1,2-Trichloroethane | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,1-Dichloroethane | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | 1,1-Dichloroethane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,1-Dichloroethane | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,1-Dichloroethene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2,3-Trichloropropane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2-Dibromo-3-chloropropane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2-Dibromoethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2-Dichloroethane | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | 1,2-Dichloroethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2-Dichloroethane | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,2-Dichloroethene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,2-Dichloropropane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1,4-Dichlorobenzene | 7/20/93 | 25 | 0 | | | U | ppb | 2 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | 1,4-Dioxane | 7/20/93 | 16 | 44 | | | U | ppb | 200 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 1-Butanol | 7/20/93 | 16 | 13 | | | U | ppb | 1000 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 2,4,5-T | 4/22/92 | 49 | 2 | | | U | ppb | 2 | B01QW2 | SW-846 8150 |
| 299-W19-32 | 2,4,5-T | 7/20/92 | 49 | 2 | | | U | ppb | 2 | B071R4 | SW-846 8150 |
| 299-W19-32 | 2,4,5-T | 11/13/92 | 49 | 2 | | | U | ppb | 2 | B07M33 | SW-846 8150 |
| 299-W19-32 | 2,4,5-T | 3/05/93 | 49 | 2 | | | U | ppb | 2 | B08840 | SW-846 8150 |
| 299-W19-32 | 2,4,5-T | 7/20/93 | 49 | 0 | | | U | ppb | 2 | B08MQ9 | SW-846 8150 |
| 299-W19-32 | 2,4,5-TP | 4/22/92 | 49 | 2 | | | U | ppb | 2 | B01QW2 | SW-846 8150 |
| 299-W19-32 | 2,4,5-TP | 7/20/92 | 49 | 2 | | | U | ppb | 2 | B071R4 | SW-846 8150 |
| 299-W19-32 | 2,4,5-TP | 11/13/92 | 49 | 2 | | | U | ppb | 2 | B07M33 | SW-846 8150 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | 2,4,5-TP | 3/05/93 | 49 | 2 | | | U | ppb | 2 | B08840 | SW-846 8150 |
| 299-W19-32 | 2,4,5-TP | 7/20/93 | 49 | 0 | | | U | ppb | 2 | B08MQ9 | SW-846 8150 |
| 299-W19-32 | 2,4,6-Trichlorophenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2,4,6-Trichlorophenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2,4,6-Trichlorophenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2,4,6-Trichlorophenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2,4-D | 4/22/92 | 49 | 10 | | | U | ppb | 10 | B01QW2 | SW-846 8150 |
| 299-W19-32 | 2,4-D | 7/20/92 | 49 | 10 | | | U | ppb | 10 | B071R4 | SW-846 8150 |
| 299-W19-32 | 2,4-D | 11/13/92 | 49 | 10 | | | U | ppb | 10 | B07M33 | SW-846 8150 |
| 299-W19-32 | 2,4-D | 3/05/93 | 49 | 10 | | | U | ppb | 10 | B08840 | SW-846 8150 |
| 299-W19-32 | 2,4-D | 7/20/93 | 49 | 0 | | | U | ppb | 10 | B08MQ9 | SW-846 8150 |
| 299-W19-32 | 2,4-Dichlorophenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2,4-Dichlorophenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2,4-Dichlorophenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2,4-Dichlorophenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2,4-Dimethylphenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2,4-Dimethylphenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2,4-Dimethylphenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2,4-Dimethylphenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2,4-Dinitrophenol | 4/22/92 | 30 | 150 | | | U | ppb | 150 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2,4-Dinitrophenol | 7/20/92 | 30 | 150 | | | U | ppb | 150 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2,4-Dinitrophenol | 11/13/92 | 30 | 150 | | | U | ppb | 150 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2,4-Dinitrophenol | 3/05/93 | 30 | 150 | | | U | ppb | 150 | B08840 | SW-846 8040 |
| 299-W19-32 | 2,6-Dichlorophenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2,6-Dichlorophenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2,6-Dichlorophenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2,6-Dichlorophenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2-Chlorophenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2-Chlorophenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2-Chlorophenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2-Chlorophenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2-Hexanone | 7/20/93 | 16 | 1 | | | U | ppb | 50 | B08MQ9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | 2-Nitrophenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2-Nitrophenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2-Nitrophenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2-Nitrophenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/22/92 | 49 | 1 | | | U | ppb | 1 | B01QW2 | SW-846 8150 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/20/92 | 49 | 1 | | | U | ppb | 1 | B071R4 | SW-846 8150 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 11/13/92 | 49 | 1 | | | U | ppb | 1 | B07M33 | SW-846 8150 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 3/05/93 | 49 | 1 | | | U | ppb | 1 | B08840 | SW-846 8150 |
| 299-W19-32 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 7/20/93 | 49 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8150 |
| 299-W19-32 | 4,4'-DDD | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDD | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDD | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDD | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDD | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDE | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDE | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDE | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDE | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDE | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDT | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDT | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDT | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDT | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | 4,4'-DDT | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | 4,6-Dinitro-2-methylphenol | 4/22/92 | 30 | 200 | | | U | ppb | 200 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 4,6-Dinitro-2-methylphenol | 7/20/92 | 30 | 200 | | | U | ppb | 200 | B071R4 | SW-846 8040 |
| 299-W19-32 | 4,6-Dinitro-2-methylphenol | 11/13/92 | 30 | 200 | | | U | ppb | 200 | B07M33 | SW-846 8040 |
| 299-W19-32 | 4,6-Dinitro-2-methylphenol | 3/05/93 | 30 | 200 | | | U | ppb | 200 | B08840 | SW-846 8040 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | 4-Chloro-3-methylphenol | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 4-Chloro-3-methylphenol | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | 4-Chloro-3-methylphenol | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | 4-Chloro-3-methylphenol | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | 4-Methyl-2-pentanone | 7/20/93 | 16 | 1 | | | U | ppb | 50 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | 4-Nitrophenol | 4/22/92 | 30 | 30 | | | U | ppb | 30 | B01QW2 | SW-846 8040 |
| 299-W19-32 | 4-Nitrophenol | 7/20/92 | 30 | 30 | | | U | ppb | 30 | B071R4 | SW-846 8040 |
| 299-W19-32 | 4-Nitrophenol | 11/13/92 | 30 | 30 | | | U | ppb | 30 | B07M33 | SW-846 8040 |
| 299-W19-32 | 4-Nitrophenol | 3/05/93 | 30 | 30 | | | U | ppb | 30 | B08840 | SW-846 8040 |
| 299-W19-32 | Acetone | 7/20/93 | 16 | 13 | | | U | ppb | 100 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Acetonitrile | 7/20/93 | 16 | 19 | | | U | ppb | 200 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Acrolein | 7/20/93 | 16 | 10 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Acrylonitrile | 7/20/93 | 16 | 4 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Aldrin | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Aldrin | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Aldrin | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Aldrin | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Aldrin | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Alkalinity | 7/20/93 | 52 | 110 | | | | ppm | 50 | B08MQ9 | ASTM D-1067-A |
| 299-W19-32 | Alpha-BHC | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Alpha-BHC | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Alpha-BHC | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Alpha-BHC | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Alpha-BHC | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Americium-241 | 7/20/93 | 147 | 0 | 0 | | U | pCi/L | 0 | B08MQ9 | ITAS Am-241 |
| 299-W19-32 | Ammonium ion | 4/22/92 | 54 | 100 | | | U | ppb | 100 | B01QW2 | ASTM D-1426-D |
| 299-W19-32 | Ammonium ion | 7/20/92 | 54 | 100 | 13 | | | ppb | 100 | B071R4 | ASTM D-1426-D |
| 299-W19-32 | Ammonium ion | 11/13/92 | 54 | 100 | 13 | | | ppb | 100 | B07M33 | ASTM D-1426-D |
| 299-W19-32 | Ammonium ion | 3/05/93 | 54 | 100 | | | U | ppb | 100 | B08840 | ASTM D-1426-D |
| 299-W19-32 | Ammonium ion | 7/20/93 | 54 | 39 | | | U | ppb | 100 | B08MQ9 | ASTM D-1426-D |
| 299-W19-32 | Antimony | 10/01/91 | 34 | 200 | | | U | ppb | 200 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Antimony | 4/22/92 | 34 | 200 | | | U | ppb | 200 | B01QW2 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Antimony | 7/20/92 | 34 | 200 | | | U | ppb | 200 | B071R4 | SW-846 6010 |
| 299-W19-32 | Antimony | 11/13/92 | 34 | 200 | | | U | ppb | 200 | B07M33 | SW-846 6010 |
| 299-W19-32 | Antimony | 3/05/93 | 34 | 200 | | | U | ppb | 200 | B08840 | SW-846 6010 |
| 299-W19-32 | Antimony, filtered | 10/01/91 | 34 | 200 | | Y | U | ppb | 200 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Antimony, filtered | 4/22/92 | 34 | 200 | | Y | U | ppb | 200 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Antimony, filtered | 7/20/92 | 34 | 200 | | Y | U | ppb | 200 | B071R8 | SW-846 6010 |
| 299-W19-32 | Antimony, filtered | 11/13/92 | 34 | 200 | | Y | U | ppb | 200 | B07M37 | SW-846 6010 |
| 299-W19-32 | Antimony, filtered | 3/05/93 | 34 | 200 | | Y | U | ppb | 200 | B08844 | SW-846 6010 |
| 299-W19-32 | Antimony-125 | 10/01/91 | 140 | -16 | 24 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Antimony-125 | 4/22/92 | 140 | 4 | 16 | | U | pCi/L | | B01QW2 | ITAS Gamma Scan |
| 299-W19-32 | Antimony-125 | 7/20/92 | 140 | -7 | 16 | | U | pCi/L | | B071R4 | ITAS Gamma Scan |
| 299-W19-32 | Antimony-125 | 11/13/92 | 140 | -9 | 16 | | U | pCi/L | | B07M33 | ITAS Gamma Scan |
| 299-W19-32 | Antimony-125 | 3/05/93 | 140 | 0 | 16 | | U | pCi/L | | B08840 | ITAS Gamma Scan |
| 299-W19-32 | Antimony-125 | 7/20/93 | 140 | 2 | 17 | | U | pCi/L | | B08MQ9 | ITAS Gamma Scan |
| 299-W19-32 | Aroclor-1016 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1221 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1232 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1242 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1248 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1254 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Aroclor-1260 | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Arsenic | 4/22/92 | 43 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 7060 |
| 299-W19-32 | Arsenic | 7/20/92 | 43 | 5 | | | U | ppb | 5 | B071R4 | SW-846 7060 |
| 299-W19-32 | Arsenic | 11/13/92 | 43 | 5 | | | U | ppb | 5 | B07M33 | SW-846 7060 |
| 299-W19-32 | Arsenic | 3/05/93 | 43 | 5 | | | U | ppb | 5 | B08840 | SW-846 7060 |
| 299-W19-32 | Arsenic | 7/20/93 | 43 | 2 | 2 | | L | ppb | 5 | B08MQ9 | SW-846 7060 |
| 299-W19-32 | Arsenic, filtered | 4/22/92 | 43 | 5 | | Y | U | ppb | 5 | B01QW6 | SW-846 7060 |
| 299-W19-32 | Arsenic, filtered | 7/20/92 | 43 | 5 | | Y | U | ppb | 5 | B071R8 | SW-846 7060 |
| 299-W19-32 | Arsenic, filtered | 11/13/92 | 43 | 5 | | Y | U | ppb | 5 | B07M37 | SW-846 7060 |
| 299-W19-32 | Arsenic, filtered | 3/05/93 | 43 | 5 | | Y | U | ppb | 5 | B08844 | SW-846 7060 |
| 299-W19-32 | Arsenic, filtered | 7/20/93 | 43 | 1 | | Y | U | ppb | 5 | B08MR4 | SW-846 7060 |
| 299-W19-32 | Barium | 10/01/91 | 34 | 69 | 10 | | | ppb | 20 | B00LT5 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Barium | 4/22/92 | 34 | 76 | 11 | | | ppb | 20 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Barium | 7/20/92 | 34 | 54 | 7 | | | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Barium | 11/13/92 | 34 | 60 | 8 | | | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Barium | 3/05/93 | 34 | 50 | 7 | | | ppb | 20 | B08840 | SW-846 6010 |
| 299-W19-32 | Barium, filtered | 10/01/91 | 34 | 56 | 8 | Y | | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Barium, filtered | 4/22/92 | 34 | 52 | 7 | Y | | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Barium, filtered | 7/20/92 | 34 | 53 | 7 | Y | | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Barium, filtered | 11/13/92 | 34 | 50 | 7 | Y | | ppb | 20 | B07M37 | SW-846 6010 |
| 299-W19-32 | Barium, filtered | 3/05/93 | 34 | 50 | 7 | Y | | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Benzene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Benzene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Benzene | 7/20/93 | 25 | 0 | | | U | ppb | 2 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Beryllium | 10/01/91 | 34 | 3 | | | U | ppb | 3 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Beryllium | 4/22/92 | 34 | 3 | | | U | ppb | 3 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Beryllium | 7/20/92 | 34 | 3 | | | U | ppb | 3 | B071R4 | SW-846 6010 |
| 299-W19-32 | Beryllium | 11/13/92 | 34 | 3 | | | U | ppb | 3 | B07M33 | SW-846 6010 |
| 299-W19-32 | Beryllium | 3/05/93 | 34 | 3 | | | U | ppb | 3 | B08840 | SW-846 6010 |
| 299-W19-32 | Beryllium, filtered | 10/01/91 | 34 | 3 | | Y | U | ppb | 3 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Beryllium, filtered | 4/22/92 | 34 | 3 | | Y | U | ppb | 3 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Beryllium, filtered | 7/20/92 | 34 | 3 | | Y | U | ppb | 3 | B071R8 | SW-846 6010 |
| 299-W19-32 | Beryllium, filtered | 11/13/92 | 34 | 3 | | Y | U | ppb | 3 | B07M37 | SW-846 6010 |
| 299-W19-32 | Beryllium, filtered | 3/05/93 | 34 | 3 | | Y | U | ppb | 3 | B08844 | SW-846 6010 |
| 299-W19-32 | Beryllium-7 | 10/01/91 | 140 | 90 | 117 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Beta-BHC | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Beta-BHC | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Beta-BHC | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Beta-BHC | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Beta-BHC | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Bromide | 4/22/92 | 124 | 500 | | | U | ppb | 500 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Bromide | 7/20/92 | 124 | 500 | | | U | ppb | 500 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Bromide | 11/13/92 | 124 | 500 | | | U | ppb | 500 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Bromide | 3/05/93 | 124 | 500 | | | U | ppb | 500 | B08840 | ASTM D-4327-88 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Bromodichloromethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Bromoform | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Cadmium | 10/01/91 | 34 | 10 | | | U | ppb | 10 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Cadmium | 4/22/92 | 34 | 10 | | | U | ppb | 10 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Cadmium | 7/20/92 | 34 | 10 | | | U | ppb | 10 | B071R4 | SW-846 6010 |
| 299-W19-32 | Cadmium | 11/13/92 | 34 | 10 | | | U | ppb | 10 | B07M33 | SW-846 6010 |
| 299-W19-32 | Cadmium | 3/05/93 | 34 | 10 | | | U | ppb | 10 | B08840 | SW-846 6010 |
| 299-W19-32 | Cadmium, filtered | 10/01/91 | 34 | 10 | | Y | U | ppb | 10 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Cadmium, filtered | 4/22/92 | 34 | 10 | | Y | U | ppb | 10 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Cadmium, filtered | 7/20/92 | 34 | 10 | | Y | U | ppb | 10 | B071R8 | SW-846 6010 |
| 299-W19-32 | Cadmium, filtered | 11/13/92 | 34 | 10 | | Y | U | ppb | 10 | B07M37 | SW-846 6010 |
| 299-W19-32 | Cadmium, filtered | 3/05/93 | 34 | 10 | | Y | U | ppb | 10 | B08844 | SW-846 6010 |
| 299-W19-32 | Calcium | 10/01/91 | 34 | 31000 | | | | ppb | 100 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Calcium | 4/22/92 | 34 | 34000 | | | | ppb | 100 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Calcium | 7/20/92 | 34 | 34000 | | | | ppb | 100 | B071R4 | SW-846 6010 |
| 299-W19-32 | Calcium | 11/13/92 | 34 | 32000 | | | | ppb | 100 | B07M33 | SW-846 6010 |
| 299-W19-32 | Calcium | 3/05/93 | 34 | 32000 | | | | ppb | 100 | B08840 | SW-846 6010 |
| 299-W19-32 | Calcium, filtered | 10/01/91 | 34 | 31000 | | Y | | ppb | 100 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Calcium, filtered | 4/22/92 | 34 | 32000 | | Y | | ppb | 100 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Calcium, filtered | 7/20/92 | 34 | 33000 | | Y | | ppb | 100 | B071R8 | SW-846 6010 |
| 299-W19-32 | Calcium, filtered | 11/13/92 | 34 | 30000 | | Y | | ppb | 100 | B07M37 | SW-846 6010 |
| 299-W19-32 | Calcium, filtered | 3/05/93 | 34 | 31000 | | Y | | ppb | 100 | B08844 | SW-846 6010 |
| 299-W19-32 | Carbon disulfide | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Carbon tetrachloride | 4/22/92 | 83 | 8 | | | | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Carbon tetrachloride | 7/20/93 | 16 | 14 | | | | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Carbon tetrachloride | 7/20/93 | 25 | 11 | | | | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Cerium/Praseodymium-144 | 10/01/91 | 140 | -30 | 79 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-134 | 10/01/91 | 140 | -11 | 9 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-137 | 10/01/91 | 140 | -3 | 8 | | U | pCi/L | 20 | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-137 | 4/22/92 | 140 | -5 | 7 | | U | pCi/L | 20 | B01QW2 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-137 | 7/20/92 | 140 | -3 | 6 | | U | pCi/L | 20 | B071R4 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-137 | 11/13/92 | 140 | 1 | 7 | | U | pCi/L | 20 | B07M33 | ITAS Gamma Scan |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Cesium-137 | 3/05/93 | 140 | 0 | 8 | | U | pCi/L | 20 | B08840 | ITAS Gamma Scan |
| 299-W19-32 | Cesium-137 | 7/20/93 | 140 | 2 | 6 | | U | pCi/L | 20 | B08MQ9 | ITAS Gamma Scan |
| 299-W19-32 | Chlordane | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Chlordane | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Chlordane | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Chlordane | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Chlordane | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Chloride | 4/22/92 | 124 | 14000 | 4710 | | | ppb | 200 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Chloride | 7/20/92 | 124 | 14000 | 4710 | | | ppb | 200 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Chloride | 11/13/92 | 124 | 17000 | 5720 | | | ppb | 200 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Chloride | 3/05/93 | 124 | 17000 | 5720 | | | ppb | 200 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Chlorobenzene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Chloroethane | 7/20/93 | 16 | 1 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Chloroform | 4/22/92 | 83 | 1 | | | J | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Chloroform | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Chloroform | 7/20/93 | 25 | 0 | | | L | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Chloroprene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Chromium | 10/01/91 | 34 | 160 | 96 | | | ppb | 20 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Chromium | 4/22/92 | 34 | 360 | 215 | | | ppb | 20 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Chromium | 7/20/92 | 34 | 130 | 78 | | | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Chromium | 11/13/92 | 34 | 170 | 101 | | | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Chromium | 3/05/93 | 34 | 260 | 155 | | | ppb | 20 | B08840 | SW-846 6010 |
| 299-W19-32 | Chromium, filtered | 10/01/91 | 34 | 34 | 20 | Y | | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Chromium, filtered | 4/22/92 | 34 | 34 | 20 | Y | | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Chromium, filtered | 7/20/92 | 34 | 31 | 19 | Y | | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Chromium, filtered | 11/13/92 | 34 | 20 | 12 | Y | | ppb | 20 | B07M37 | SW-846 6010 |
| 299-W19-32 | Chromium, filtered | 3/05/93 | 34 | 30 | 18 | Y | | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Cobalt | 10/01/91 | 34 | 20 | | | U | ppb | 20 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Cobalt | 4/22/92 | 34 | 20 | | | U | ppb | 20 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Cobalt | 7/20/92 | 34 | 20 | | | U | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Cobalt | 11/13/92 | 34 | 20 | | | U | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Cobalt | 3/05/93 | 34 | 20 | | | U | ppb | 20 | B08840 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Cobalt, filtered | 10/01/91 | 34 | 20 | | Y | U | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Cobalt, filtered | 4/22/92 | 34 | 20 | | Y | U | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Cobalt, filtered | 7/20/92 | 34 | 20 | | Y | U | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Cobalt, filtered | 11/13/92 | 34 | 20 | | Y | U | ppb | 20 | B07M37 | SW-846 6010 |
| 299-W19-32 | Cobalt, filtered | 3/05/93 | 34 | 20 | | Y | U | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Cobalt-60 | 10/01/91 | 140 | 6 | 8 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Cobalt-60 | 4/22/92 | 140 | 6 | 5 | | | pCi/L | | B01QW2 | ITAS Gamma Scan |
| 299-W19-32 | Cobalt-60 | 7/20/92 | 140 | -1 | 7 | | U | pCi/L | | B071R4 | ITAS Gamma Scan |
| 299-W19-32 | Cobalt-60 | 11/13/92 | 140 | 3 | 5 | | U | pCi/L | | B07M33 | ITAS Gamma Scan |
| 299-W19-32 | Cobalt-60 | 3/05/93 | 140 | 6 | 9 | | U | pCi/L | | B08840 | ITAS Gamma Scan |
| 299-W19-32 | Cobalt-60 | 7/20/93 | 140 | 4 | 6 | | U | pCi/L | | B08MQ9 | ITAS Gamma Scan |
| 299-W19-32 | Coliforms | 12/05/91 | 144 | 1 | | | U | COL | | B00N82 | |
| 299-W19-32 | Coliforms | 12/05/91 | 144 | 1 | | | U | COL | 1 | B00N82 | SW-846 9132 |
| 299-W19-32 | Coliforms | 4/22/92 | 144 | 1 | | | U | COL | | B01QW2 | |
| 299-W19-32 | Coliforms | 4/22/92 | 144 | 1 | | | U | COL | 1 | B01QW2 | SW-846 9132 |
| 299-W19-32 | Coliforms | 7/20/92 | 144 | 1 | | | U | COL | | B071R4 | |
| 299-W19-32 | Coliforms | 7/20/92 | 144 | 1 | | | U | COL | 1 | B071R4 | SW-846 9132 |
| 299-W19-32 | Coliforms | 11/13/92 | 144 | 1 | | | U | COL | | B07M33 | |
| 299-W19-32 | Coliforms | 11/13/92 | 144 | 1 | | | U | COL | 1 | B07M33 | SW-846 9132 |
| 299-W19-32 | Coliforms | 3/05/93 | 144 | 1 | | | U | COL | | B08840 | |
| 299-W19-32 | Coliforms | 3/05/93 | 144 | 1 | | | U | COL | 1 | B08840 | SW-846 9132 |
| 299-W19-32 | Coliforms | 7/20/93 | 144 | 1 | | | U | COL | | B08MR8 | |
| 299-W19-32 | Coliforms | 7/20/93 | 144 | 1 | | | U | COL | 1 | B08MR8 | SW-846 9132 |
| 299-W19-32 | Copper | 10/01/91 | 34 | 35 | 7 | | | ppb | 20 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Copper | 4/22/92 | 34 | 33 | 7 | | | ppb | 20 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Copper | 7/20/92 | 34 | 20 | | | U | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Copper | 11/13/92 | 34 | 20 | | | U | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Copper | 3/05/93 | 34 | 20 | | | U | ppb | 20 | B08840 | SW-846 6010 |
| 299-W19-32 | Copper, filtered | 10/01/91 | 34 | 20 | | Y | U | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Copper, filtered | 4/22/92 | 34 | 20 | | Y | U | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Copper, filtered | 7/20/92 | 34 | 20 | | Y | U | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Copper, filtered | 11/13/92 | 34 | 20 | | Y | U | ppb | 20 | B07M37 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Copper, filtered | 3/05/93 | 34 | 20 | | Y | U | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Cresols (methylphenols) | 4/22/92 | 30 | 10 | | | U | ppb | 10 | B01QW2 | SW-846 8040 |
| 299-W19-32 | Cresols (methylphenols) | 7/20/92 | 30 | 10 | | | U | ppb | 10 | B071R4 | SW-846 8040 |
| 299-W19-32 | Cresols (methylphenols) | 11/13/92 | 30 | 10 | | | U | ppb | 10 | B07M33 | SW-846 8040 |
| 299-W19-32 | Cresols (methylphenols) | 3/05/93 | 30 | 10 | | | U | ppb | 10 | B08840 | SW-846 8040 |
| 299-W19-32 | Cyanide | 4/22/92 | 56 | 20 | | | U | ppb | 20 | B01QW2 | SW-846 9010 |
| 299-W19-32 | Cyanide | 7/20/92 | 56 | 20 | | | U | ppb | 20 | B071R4 | SW-846 9010 |
| 299-W19-32 | Cyanide | 11/13/92 | 56 | 20 | | | U | ppb | 20 | B07M33 | SW-846 9010 |
| 299-W19-32 | Cyanide | 3/05/93 | 56 | 20 | | | U | ppb | 20 | B08840 | SW-846 9010 |
| 299-W19-32 | Cyanide | 7/20/93 | 56 | 1 | | | U | ppb | 20 | B08MQ9 | SW-846 9010 |
| 299-W19-32 | Delta-BHC | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Delta-BHC | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Delta-BHC | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Delta-BHC | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Delta-BHC | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Dibromochloromethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Dibromomethane | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Dichlorodifluoromethane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Dieldrin | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Dieldrin | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Dieldrin | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Dieldrin | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Dieldrin | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Disulfoton | 7/20/93 | 29 | 0 | | | U | ppb | 2 | B08MQ9 | SW-846 8140 |
| 299-W19-32 | Endosulfan I | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Endosulfan I | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Endosulfan I | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Endosulfan I | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Endosulfan I | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Endosulfan II | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Endosulfan II | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Endosulfan II | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Endosulfan II | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Endosulfan II | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Endosulfan sulfate | 4/22/92 | 17 | 1 | | | U | ppb | 1 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Endosulfan sulfate | 7/20/92 | 17 | 1 | | | U | ppb | 1 | B071R4 | SW-846 8080 |
| 299-W19-32 | Endosulfan sulfate | 11/13/92 | 17 | 1 | | | U | ppb | 1 | B07M33 | SW-846 8080 |
| 299-W19-32 | Endosulfan sulfate | 3/05/93 | 17 | 1 | | | U | ppb | 1 | B08840 | SW-846 8080 |
| 299-W19-32 | Endosulfan sulfate | 7/20/93 | 17 | 0 | | | L | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Endrin | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Endrin | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Endrin | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Endrin | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Endrin | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Endrin Aldehyde | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Endrin Aldehyde | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Endrin Aldehyde | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Endrin Aldehyde | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Endrin Aldehyde | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Ethyl cyanide | 7/20/93 | 16 | 4 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Ethyl cyanide | 7/20/93 | 16 | 4 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Ethyl methacrylate | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Ethylbenzene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Ethylbenzene | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Ethylbenzene | 7/20/93 | 25 | 0 | | | U | ppb | 2 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Europium-154 | 10/01/91 | 140 | 5 | 25 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Europium-155 | 10/01/91 | 140 | 4 | 18 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Fluoride | 4/22/92 | 124 | 600 | 127 | | | ppb | 100 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Fluoride | 7/20/92 | 124 | 500 | 105 | | | ppb | 100 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Fluoride | 11/13/92 | 124 | 700 | 148 | | | ppb | 100 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Fluoride | 3/05/93 | 124 | 700 | 148 | | | ppb | 100 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Gross alpha | 10/01/91 | 135 | 2 | 1 | | | pCi/L | 4 | B00LT5 | SW-846 9310, Alpha |
| 299-W19-32 | Gross alpha | 4/22/92 | 135 | 2 | 1 | | U | pCi/L | 4 | B01QW2 | SW-846 9310, Alpha |
| 299-W19-32 | Gross alpha | 7/20/92 | 135 | 1 | 1 | | U | pCi/L | 4 | B071R4 | SW-846 9310, Alpha |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Gross alpha | 11/13/92 | 135 | 2 | 2 | | U | pCi/L | 4 | B07M33 | SW-846 9310, Alpha |
| 299-W19-32 | Gross alpha | 3/05/93 | 135 | 2 | 1 | | U | pCi/L | 4 | B08840 | SW-846 9310, Alpha |
| 299-W19-32 | Gross alpha | 7/20/93 | 135 | 5 | 2 | | | pCi/L | 4 | B08MQ9 | SW-846 9310, Alpha |
| 299-W19-32 | Gross beta | 10/01/91 | 136 | 107 | 11 | | | pCi/L | 8 | B00LT5 | SW-846 9310, Beta |
| 299-W19-32 | Gross beta | 4/22/92 | 136 | 127 | 15 | | | pCi/L | 8 | B01QW2 | SW-846 9310, Beta |
| 299-W19-32 | Gross beta | 7/20/92 | 136 | 88 | 9 | | | pCi/L | 8 | B071R4 | SW-846 9310, Beta |
| 299-W19-32 | Gross beta | 11/13/92 | 136 | 102 | 10 | | | pCi/L | 8 | B07M33 | SW-846 9310, Beta |
| 299-W19-32 | Gross beta | 3/05/93 | 136 | 118 | 11 | | | pCi/L | 8 | B08840 | SW-846 9310, Beta |
| 299-W19-32 | Gross beta | 7/20/93 | 136 | 430 | 33 | | | pCi/L | 8 | B08MQ9 | SW-846 9310, Beta |
| 299-W19-32 | Heptachlor | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Heptachlor | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | Heptachlor | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | Heptachlor | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | Heptachlor | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Heptachlor epoxide | 4/22/92 | 17 | 1 | | | U | ppb | 1 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Heptachlor epoxide | 7/20/92 | 17 | 1 | | | U | ppb | 1 | B071R4 | SW-846 8080 |
| 299-W19-32 | Heptachlor epoxide | 11/13/92 | 17 | 1 | | | U | ppb | 1 | B07M33 | SW-846 8080 |
| 299-W19-32 | Heptachlor epoxide | 3/05/93 | 17 | 1 | | | U | ppb | 1 | B08840 | SW-846 8080 |
| 299-W19-32 | Heptachlor epoxide | 7/20/93 | 17 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Hydrazine | 4/22/92 | 36 | 30 | | | U | ppb | 30 | B01QW2 | ASTM D-1385 |
| 299-W19-32 | Hydrazine | 7/20/92 | 36 | 30 | | | U | ppb | 30 | B071R4 | ASTM D-1385 |
| 299-W19-32 | Hydrazine | 11/13/92 | 36 | 30 | | | U | ppb | 30 | B07M33 | ASTM D-1385 |
| 299-W19-32 | Hydrazine | 3/05/93 | 36 | 30 | | | U | ppb | 30 | B08840 | ASTM D-1385 |
| 299-W19-32 | Hydrazine | 7/20/93 | 36 | 2 | | | U | ppb | 30 | B08MR8 | ASTM D-1385 |
| 299-W19-32 | Iodine-129 | 10/01/91 | 139 | 0 | 0 | | U | pCi/L | 1 | B00LT5 | ITAS I-129 Low Level |
| 299-W19-32 | Iodine-129 | 4/22/92 | 139 | 0 | 0 | | U | pCi/L | 1 | B01QW2 | ITAS I-129 Low Level |
| 299-W19-32 | Iodine-129 | 7/20/92 | 139 | -0 | 0 | | U | pCi/L | 1 | B071R4 | ITAS I-129 Low Level |
| 299-W19-32 | Iodine-129 | 11/13/92 | 139 | -0 | 0 | | U | pCi/L | 1 | B07M33 | ITAS I-129 Low Level |
| 299-W19-32 | Iodine-129 | 3/05/93 | 139 | -0 | 0 | | U | pCi/L | 1 | B08840 | ITAS I-129 Low Level |
| 299-W19-32 | Iodine-129, Low level | 7/20/93 | 139 | 0 | 0 | | U | pCi/L | 1 | B08MR8 | ITAS I-129 Low Level |
| 299-W19-32 | Iron | 10/01/91 | 34 | 2100 | 1810 | | | ppb | 20 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Iron | 4/22/92 | 34 | 5300 | 4560 | | | ppb | 20 | B01QW2 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Iron | 7/20/92 | 34 | 500 | 430 | | | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Iron | 11/13/92 | 34 | 1200 | 1030 | | | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Iron | 3/05/93 | 34 | 1300 | 1120 | | | ppb | 20 | B08840 | SW-846 6010 |
| 299-W19-32 | Iron, filtered | 10/01/91 | 34 | 230 | 198 | Y | | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Iron, filtered | 4/22/92 | 34 | 99 | 85 | Y | | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Iron, filtered | 7/20/92 | 34 | 20 | | Y | U | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Iron, filtered | 11/13/92 | 34 | 30 | 26 | Y | | ppb | 20 | B07M37 | SW-846 6010 |
| 299-W19-32 | Iron, filtered | 3/05/93 | 34 | 40 | 34 | Y | | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Isobutyl alcohol | 7/20/93 | 16 | 27 | | | U | ppb | 200 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Lead | 4/22/92 | 40 | 19 | 8 | | | ppb | 5 | B01QW2 | SW-846 7421 |
| 299-W19-32 | Lead | 7/20/92 | 40 | 5 | | | U | ppb | 5 | B071R4 | SW-846 7421 |
| 299-W19-32 | Lead | 11/13/92 | 40 | 8 | 3 | | | ppb | 5 | B07M33 | SW-846 7421 |
| 299-W19-32 | Lead | 3/05/93 | 40 | 45 | 19 | | | ppb | 5 | B08840 | SW-846 7421 |
| 299-W19-32 | Lead | 7/20/93 | 40 | 2 | 0 | | L | ppb | 5 | B08MQ9 | SW-846 7421 |
| 299-W19-32 | Lead, filtered | 4/22/92 | 40 | 5 | | Y | U | ppb | 5 | B01QW6 | SW-846 7421 |
| 299-W19-32 | Lead, filtered | 7/20/92 | 40 | 5 | | Y | U | ppb | 5 | B071R8 | SW-846 7421 |
| 299-W19-32 | Lead, filtered | 11/13/92 | 40 | 5 | | Y | U | ppb | 5 | B07M37 | SW-846 7421 |
| 299-W19-32 | Lead, filtered | 3/05/93 | 40 | 5 | | Y | U | ppb | 5 | B08844 | SW-846 7421 |
| 299-W19-32 | Lead, filtered | 7/20/93 | 40 | 1 | | Y | U | ppb | 5 | B08MR4 | SW-846 7421 |
| 299-W19-32 | Magnesium | 10/01/91 | 34 | 9100 | | | | ppb | 100 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Magnesium | 4/22/92 | 34 | 9800 | | | | ppb | 100 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Magnesium | 7/20/92 | 34 | 9300 | | | | ppb | 100 | B071R4 | SW-846 6010 |
| 299-W19-32 | Magnesium | 11/13/92 | 34 | 9200 | | | | ppb | 100 | B07M33 | SW-846 6010 |
| 299-W19-32 | Magnesium | 3/05/93 | 34 | 9100 | | | | ppb | 100 | B08840 | SW-846 6010 |
| 299-W19-32 | Magnesium, filtered | 10/01/91 | 34 | 9000 | | Y | | ppb | 100 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Magnesium, filtered | 4/22/92 | 34 | 9200 | | Y | | ppb | 100 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Magnesium, filtered | 7/20/92 | 34 | 9200 | | Y | | ppb | 100 | B071R8 | SW-846 6010 |
| 299-W19-32 | Magnesium, filtered | 11/13/92 | 34 | 8600 | | Y | | ppb | 100 | B07M37 | SW-846 6010 |
| 299-W19-32 | Magnesium, filtered | 3/05/93 | 34 | 9100 | | Y | | ppb | 100 | B08844 | SW-846 6010 |
| 299-W19-32 | Manganese | 10/01/91 | 34 | 120 | 18 | | | ppb | 10 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Manganese | 4/22/92 | 34 | 130 | 20 | | | ppb | 10 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Manganese | 7/20/92 | 34 | 31 | 5 | | | ppb | 10 | B071R4 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Manganese | 11/13/92 | 34 | 30 | 5 | | | ppb | 10 | B07M33 | SW-846 6010 |
| 299-W19-32 | Manganese | 3/05/93 | 34 | 40 | 6 | | | ppb | 10 | B08840 | SW-846 6010 |
| 299-W19-32 | Manganese, filtered | 10/01/91 | 34 | 53 | 8 | Y | | ppb | 10 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Manganese, filtered | 4/22/92 | 34 | 22 | 3 | Y | | ppb | 10 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Manganese, filtered | 7/20/92 | 34 | 23 | 4 | Y | | ppb | 10 | B071R8 | SW-846 6010 |
| 299-W19-32 | Manganese, filtered | 11/13/92 | 34 | 10 | | Y | U | ppb | 10 | B07M37 | SW-846 6010 |
| 299-W19-32 | Manganese, filtered | 3/05/93 | 34 | 10 | 2 | Y | | ppb | 10 | B08844 | SW-846 6010 |
| 299-W19-32 | Mercury | 4/22/92 | 41 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 7470 |
| 299-W19-32 | Mercury | 7/20/92 | 41 | 0 | | | U | ppb | 0 | B071R4 | SW-846 7470 |
| 299-W19-32 | Mercury | 11/13/92 | 41 | 0 | | | U | ppb | 0 | B07M33 | SW-846 7470 |
| 299-W19-32 | Mercury | 3/05/93 | 41 | 0 | | | U | ppb | 0 | B08840 | SW-846 7470 |
| 299-W19-32 | Mercury | 7/20/93 | 41 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 7470 |
| 299-W19-32 | Mercury, filtered | 4/22/92 | 41 | 0 | | Y | U | ppb | 0 | B01QW6 | SW-846 7470 |
| 299-W19-32 | Mercury, filtered | 7/20/92 | 41 | 0 | | Y | U | ppb | 0 | B071R8 | SW-846 7470 |
| 299-W19-32 | Mercury, filtered | 11/13/92 | 41 | 0 | | Y | U | ppb | 0 | B07M37 | SW-846 7470 |
| 299-W19-32 | Mercury, filtered | 3/05/93 | 41 | 0 | | Y | U | ppb | 0 | B08844 | SW-846 7470 |
| 299-W19-32 | Mercury, filtered | 7/20/93 | 41 | 0 | | Y | U | ppb | 0 | B08MR4 | SW-846 7470 |
| 299-W19-32 | Methacrylonitrile | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methoxychlor | 4/22/92 | 17 | 2 | | | U | ppb | 2 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Methoxychlor | 7/20/92 | 17 | 2 | | | U | ppb | 2 | B071R4 | SW-846 8080 |
| 299-W19-32 | Methoxychlor | 11/13/92 | 17 | 2 | | | U | ppb | 2 | B07M33 | SW-846 8080 |
| 299-W19-32 | Methoxychlor | 3/05/93 | 17 | 2 | | | U | ppb | 2 | B08840 | SW-846 8080 |
| 299-W19-32 | Methoxychlor | 7/20/93 | 17 | 0 | | | U | ppb | 2 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Methyl Iodide | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methyl bromide | 7/20/93 | 16 | 1 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methyl chloride | 7/20/93 | 16 | 1 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methyl ethyl ketone | 7/20/93 | 16 | 4 | | | U | ppb | 100 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methyl methacrylate | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methyl parathion | 7/20/93 | 29 | 0 | | | U | ppb | 1 | B08MQ9 | SW-846 8140 |
| 299-W19-32 | Methylene chloride | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Methylene chloride | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Methylene chloride | 7/20/93 | 25 | 0 | | | U | ppb | 5 | B08MZ2 | SW-846 8010/8020 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Nickel | 10/01/91 | 34 | 65 | 14 | | | ppb | 30 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Nickel | 4/22/92 | 34 | 170 | 36 | | | ppb | 30 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Nickel | 7/20/92 | 34 | 55 | 12 | | | ppb | 30 | B071R4 | SW-846 6010 |
| 299-W19-32 | Nickel | 11/13/92 | 34 | 80 | 17 | | | ppb | 30 | B07M33 | SW-846 6010 |
| 299-W19-32 | Nickel | 3/05/93 | 34 | 140 | 29 | | | ppb | 30 | B08840 | SW-846 6010 |
| 299-W19-32 | Nickel, filtered | 10/01/91 | 34 | 30 | | Y | U | ppb | 30 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Nickel, filtered | 4/22/92 | 34 | 30 | | Y | U | ppb | 30 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Nickel, filtered | 7/20/92 | 34 | 30 | | Y | U | ppb | 30 | B071R8 | SW-846 6010 |
| 299-W19-32 | Nickel, filtered | 11/13/92 | 34 | 30 | | Y | U | ppb | 30 | B07M37 | SW-846 6010 |
| 299-W19-32 | Nickel, filtered | 3/05/93 | 34 | 30 | | Y | U | ppb | 30 | B08844 | SW-846 6010 |
| 299-W19-32 | Nitrate | 10/01/91 | 130 | 5500 | | | | ppb | 200 | B00LT5 | EPA Method 300.0 |
| 299-W19-32 | Nitrate | 4/22/92 | 124 | 7000 | 3770 | | | ppb | 200 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Nitrate | 7/20/92 | 124 | 6600 | 3710 | | | ppb | 200 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Nitrate | 11/13/92 | 124 | 4600 | 2590 | | | ppb | 200 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Nitrate | 3/05/93 | 124 | 5100 | 2870 | | | ppb | 200 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Nitrite | 4/22/92 | 124 | 200 | | | U | ppb | 200 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Nitrite | 7/20/92 | 124 | 200 | | | U | ppb | 200 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Nitrite | 11/13/92 | 124 | 200 | | | U | ppb | 200 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Nitrite | 3/05/93 | 124 | 200 | | | U | ppb | 200 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Pentachloroethane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Pentachlorophenol | 4/22/92 | 30 | 100 | | | U | ppb | 100 | B01QW2 | SW-846 8040 |
| 299-W19-32 | Pentachlorophenol | 7/20/92 | 30 | 100 | | | U | ppb | 100 | B071R4 | SW-846 8040 |
| 299-W19-32 | Pentachlorophenol | 11/13/92 | 30 | 100 | | | U | ppb | 100 | B07M33 | SW-846 8040 |
| 299-W19-32 | Pentachlorophenol | 3/05/93 | 30 | 100 | | | U | ppb | 100 | B08840 | SW-846 8040 |
| 299-W19-32 | Perchlorate | 4/22/92 | 62 | 500 | | | U | ppb | 500 | B01QW2 | Inhouse Ion Chrom. |
| 299-W19-32 | Perchlorate | 7/20/92 | 62 | 500 | | | U | ppb | 500 | B071R4 | Inhouse Ion Chrom. |
| 299-W19-32 | Perchlorate | 11/13/92 | 62 | 500 | | | U | ppb | 500 | B07M33 | Inhouse Ion Chrom. |
| 299-W19-32 | Perchlorate | 3/05/93 | 62 | 500 | | | U | ppb | 500 | B08840 | Inhouse Ion Chrom. |
| 299-W19-32 | Perchlorate | 7/20/93 | 62 | 104 | | | U | ppb | 500 | B08MR8 | Inhouse Ion Chrom. |
| 299-W19-32 | Phenol | 4/22/92 | 30 | 1 | | | U | ppb | 1 | B01QW2 | SW-846 8040 |
| 299-W19-32 | Phenol | 7/20/92 | 30 | 1 | | | U | ppb | 1 | B071R4 | SW-846 8040 |
| 299-W19-32 | Phenol | 11/13/92 | 30 | 1 | | | U | ppb | 1 | B07M33 | SW-846 8040 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Phenol | 3/05/93 | 30 | 1 | | | U | ppb | 1 | B08840 | SW-846 8040 |
| 299-W19-32 | Phorate | 7/20/93 | 29 | 0 | | | U | ppb | 2 | B08MQ9 | SW-846 8140 |
| 299-W19-32 | Phosphate | 4/22/92 | 124 | 400 | | | U | ppb | 400 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 4/22/92 | 124 | 400 | | | U | ppb | 500 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 7/20/92 | 124 | 400 | | | U | ppb | 400 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 7/20/92 | 124 | 400 | | | U | ppb | 500 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 11/13/92 | 124 | 400 | | | U | ppb | 400 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 11/13/92 | 124 | 400 | | | U | ppb | 500 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 3/05/93 | 124 | 400 | | | U | ppb | 400 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Phosphate | 3/05/93 | 124 | 400 | | | U | ppb | 500 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Plutonium-238 | 10/01/91 | 146 | -0 | 0 | | U | pCi/L | 0 | B00LT5 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-238 | 4/22/92 | 146 | -0 | 0 | | U | pCi/L | 0 | B01QW2 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-238 | 7/20/92 | 146 | 0 | 0 | | U | pCi/L | 0 | B071R4 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-238 | 11/13/92 | 146 | 0 | 0 | | U | pCi/L | 0 | B07M33 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-238 | 3/05/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08840 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-238 | 7/20/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08MQ9 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 10/01/91 | 146 | -0 | 0 | | U | pCi/L | 0 | B00LT5 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 4/22/92 | 146 | 0 | 0 | | U | pCi/L | 0 | B01QW2 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 7/20/92 | 146 | 0 | 0 | | U | pCi/L | 0 | B071R4 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 11/13/92 | 146 | -0 | 0 | | U | pCi/L | 0 | B07M33 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 3/05/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08840 | ITAS Isotopic Pu |
| 299-W19-32 | Plutonium-239/40 | 7/20/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08MQ9 | ITAS Isotopic Pu |
| 299-W19-32 | Potassium | 10/01/91 | 34 | 3900 | | | | ppb | 300 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Potassium | 10/01/91 | 34 | 3900 | | | | ppb | 1000 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Potassium | 4/22/92 | 34 | 4900 | | | | ppb | 300 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Potassium | 4/22/92 | 34 | 4900 | | | | ppb | 1000 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Potassium | 7/20/92 | 34 | 5200 | | | | ppb | 300 | B071R4 | SW-846 6010 |
| 299-W19-32 | Potassium | 7/20/92 | 34 | 5200 | | | | ppb | 1000 | B071R4 | SW-846 6010 |
| 299-W19-32 | Potassium | 11/13/92 | 34 | 4900 | | | | ppb | 300 | B07M33 | SW-846 6010 |
| 299-W19-32 | Potassium | 11/13/92 | 34 | 4900 | | | | ppb | 1000 | B07M33 | SW-846 6010 |
| 299-W19-32 | Potassium | 3/05/93 | 34 | 4300 | | | | ppb | 300 | B08840 | SW-846 6010 |
| 299-W19-32 | Potassium | 3/05/93 | 34 | 4300 | | | | ppb | 1000 | B08840 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Potassium, filtered | 10/01/91 | 34 | 3600 | | Y | | ppb | 300 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 10/01/91 | 34 | 3600 | | Y | | ppb | 1000 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 4/22/92 | 34 | 4600 | | Y | | ppb | 300 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 4/22/92 | 34 | 4600 | | Y | | ppb | 1000 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 7/20/92 | 34 | 5200 | | Y | | ppb | 300 | B071R8 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 7/20/92 | 34 | 5200 | | Y | | ppb | 1000 | B071R8 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 11/13/92 | 34 | 4300 | | Y | | ppb | 300 | B07M37 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 11/13/92 | 34 | 4300 | | Y | | ppb | 1000 | B07M37 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 3/05/93 | 34 | 5100 | | Y | | ppb | 300 | B08844 | SW-846 6010 |
| 299-W19-32 | Potassium, filtered | 3/05/93 | 34 | 5100 | | Y | | ppb | 1000 | B08844 | SW-846 6010 |
| 299-W19-32 | Radium | 10/01/91 | 137 | 0 | 0 | | | pCi/L | 1 | B00LT5 | SW-846 9315, Radium |
| 299-W19-32 | Radium | 4/22/92 | 137 | 0 | 0 | | U | pCi/L | 1 | B01QW2 | SW-846 9315, Radium |
| 299-W19-32 | Radium | 7/20/92 | 137 | 0 | 0 | | U | pCi/L | 1 | B071R4 | SW-846 9315, Radium |
| 299-W19-32 | Radium | 11/13/92 | 137 | 0 | 0 | | U | pCi/L | 1 | B07M33 | SW-846 9315, Radium |
| 299-W19-32 | Radium | 3/05/93 | 137 | -0 | 0 | | U | pCi/L | 1 | B08840 | SW-846 9315, Radium |
| 299-W19-32 | Radium | 7/20/93 | 137 | 0 | 0 | | | pCi/L | 1 | B08MR8 | SW-846 9315, Radium |
| 299-W19-32 | Ruthenium-106 | 10/01/91 | 140 | -38 | 77 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Ruthenium-106 | 4/22/92 | 140 | -2 | 57 | | U | pCi/L | | B01QW2 | ITAS Gamma Scan |
| 299-W19-32 | Ruthenium-106 | 7/20/92 | 140 | 31 | 60 | | U | pCi/L | | B071R4 | ITAS Gamma Scan |
| 299-W19-32 | Ruthenium-106 | 11/13/92 | 140 | 7 | 52 | | U | pCi/L | | B07M33 | ITAS Gamma Scan |
| 299-W19-32 | Ruthenium-106 | 3/05/93 | 140 | 47 | 58 | | U | pCi/L | | B08840 | ITAS Gamma Scan |
| 299-W19-32 | Ruthenium-106 | 7/20/93 | 140 | 4 | 47 | | U | pCi/L | | B08MQ9 | ITAS Gamma Scan |
| 299-W19-32 | Selenium | 4/22/92 | 48 | 10 | | | U | ppb | 10 | B01QW2 | SW-846 7740 |
| 299-W19-32 | Selenium | 7/20/92 | 48 | 10 | | | U | ppb | 10 | B071R4 | SW-846 7740 |
| 299-W19-32 | Selenium | 11/13/92 | 48 | 10 | | | U | ppb | 10 | B07M33 | SW-846 7740 |
| 299-W19-32 | Selenium | 3/05/93 | 48 | 10 | | | U | ppb | 10 | B08840 | SW-846 7740 |
| 299-W19-32 | Selenium | 7/20/93 | 48 | 4 | 2 | | L | ppb | 10 | B08MQ9 | SW-846 7740 |
| 299-W19-32 | Selenium, filtered | 4/22/92 | 48 | 10 | | Y | U | ppb | 10 | B01QW6 | SW-846 7740 |
| 299-W19-32 | Selenium, filtered | 7/20/92 | 48 | 10 | | Y | U | ppb | 10 | B071R8 | SW-846 7740 |
| 299-W19-32 | Selenium, filtered | 11/13/92 | 48 | 10 | | Y | U | ppb | 10 | B07M37 | SW-846 7740 |
| 299-W19-32 | Selenium, filtered | 3/05/93 | 48 | 10 | | Y | U | ppb | 10 | B08844 | SW-846 7740 |
| 299-W19-32 | Selenium, filtered | 7/20/93 | 48 | 3 | 2 | Y | L | ppb | 10 | B08MR4 | SW-846 7740 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Silver | 10/01/91 | 34 | 20 | | | U | ppb | 20 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Silver | 4/22/92 | 34 | 20 | | | U | ppb | 20 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Silver | 7/20/92 | 34 | 20 | | | U | ppb | 20 | B071R4 | SW-846 6010 |
| 299-W19-32 | Silver | 11/13/92 | 34 | 20 | | | U | ppb | 20 | B07M33 | SW-846 6010 |
| 299-W19-32 | Silver | 3/05/93 | 34 | 20 | | | U | ppb | 20 | B08840 | SW-846 6010 |
| 299-W19-32 | Silver, filtered | 10/01/91 | 34 | 20 | | Y | U | ppb | 20 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Silver, filtered | 4/22/92 | 34 | 20 | | Y | U | ppb | 20 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Silver, filtered | 7/20/92 | 34 | 20 | | Y | U | ppb | 20 | B071R8 | SW-846 6010 |
| 299-W19-32 | Silver, filtered | 11/13/92 | 34 | 20 | | Y | U | ppb | 20 | B07M37 | SW-846 6010 |
| 299-W19-32 | Silver, filtered | 3/05/93 | 34 | 20 | | Y | U | ppb | 20 | B08844 | SW-846 6010 |
| 299-W19-32 | Sodium | 10/01/91 | 34 | 19000 | | | | ppb | 300 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Sodium | 4/22/92 | 34 | 19000 | | | | ppb | 300 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Sodium | 7/20/92 | 34 | 19000 | | | | ppb | 300 | B071R4 | SW-846 6010 |
| 299-W19-32 | Sodium | 11/13/92 | 34 | 19000 | | | | ppb | 300 | B07M33 | SW-846 6010 |
| 299-W19-32 | Sodium | 3/05/93 | 34 | 19000 | | | | ppb | 300 | B08840 | SW-846 6010 |
| 299-W19-32 | Sodium, filtered | 10/01/91 | 34 | 18000 | | Y | | ppb | 300 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Sodium, filtered | 4/22/92 | 34 | 17000 | | Y | | ppb | 300 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Sodium, filtered | 7/20/92 | 34 | 19000 | | Y | | ppb | 300 | B071R8 | SW-846 6010 |
| 299-W19-32 | Sodium, filtered | 11/13/92 | 34 | 18000 | | Y | | ppb | 300 | B07M37 | SW-846 6010 |
| 299-W19-32 | Sodium, filtered | 3/05/93 | 34 | 19000 | | Y | | ppb | 300 | B08844 | SW-846 6010 |
| 299-W19-32 | Specific conductance | 10/01/91 | 94 | 326 | | | | umhos | 1 | B00LT8 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 10/01/91 | 94 | 327 | | | | umhos | 1 | B00LT6 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 10/01/91 | 94 | 327 | | | | umhos | 1 | B00LT7 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 10/01/91 | 94 | 329 | | | | umhos | 1 | B00LT5 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 12/05/91 | 94 | 325 | | | | umhos | 1 | B00N82 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 4/22/92 | 94 | 317 | | | | umhos | 1 | B01QW5 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 4/22/92 | 94 | 318 | | | | umhos | 1 | B01QW2 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 4/22/92 | 94 | 318 | | | | umhos | 1 | B01QW4 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 4/22/92 | 94 | 319 | | | | umhos | 1 | B01QW3 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/92 | 94 | 278 | | | | umhos | 1 | B071R5 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/92 | 94 | 279 | | | | umhos | 1 | B071R6 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/92 | 94 | 280 | | | | umhos | 1 | B071R4 | Probe, Conductivity |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Specific conductance | 11/13/92 | 94 | 347 | | | | umhos | 1 | B07M36 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 11/13/92 | 94 | 353 | | | | umhos | 1 | B07M35 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 11/13/92 | 94 | 355 | | | | umhos | 1 | B07M33 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 11/13/92 | 94 | 357 | | | | umhos | 1 | B07M34 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 3/05/93 | 73 | 320 | | | | umhos | | B08840 | ASTM D-1125-A |
| 299-W19-32 | Specific conductance | 3/05/93 | 94 | 324 | | | | umhos | 1 | B08840 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 3/05/93 | 94 | 324 | | | | umhos | 1 | B08842 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 3/05/93 | 94 | 324 | | | | umhos | 1 | B08843 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 3/05/93 | 94 | 325 | | | | umhos | 1 | B08841 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/93 | 73 | 380 | | | | umhos | | B08MQ9 | ASTM D-1125-A |
| 299-W19-32 | Specific conductance | 7/20/93 | 94 | 372 | | | | umhos | 1 | B08MR2 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/93 | 94 | 373 | | | | umhos | 1 | B08MQ9 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/93 | 94 | 373 | | | | umhos | 1 | B08MR0 | Probe, Conductivity |
| 299-W19-32 | Specific conductance | 7/20/93 | 94 | 373 | | | | umhos | 1 | B08MR1 | Probe, Conductivity |
| 299-W19-32 | Strontium-90 | 10/01/91 | 141 | -0 | 0 | | U | pCi/L | 5 | B00LT5 | ITAS Sr-90 |
| 299-W19-32 | Strontium-90 | 4/22/92 | 141 | -0 | 0 | | U | pCi/L | 5 | B01QW2 | ITAS Sr-90 |
| 299-W19-32 | Strontium-90 | 7/20/92 | 141 | -0 | 1 | | U | pCi/L | 5 | B071R4 | ITAS Sr-90 |
| 299-W19-32 | Strontium-90 | 11/13/92 | 141 | -1 | 0 | | U | pCi/L | 5 | B07M33 | ITAS Sr-90 |
| 299-W19-32 | Strontium-90 | 3/05/93 | 141 | -0 | 0 | | U | pCi/L | 5 | B08840 | ITAS Sr-90 |
| 299-W19-32 | Strontium-90 | 7/20/93 | 141 | 0 | 0 | | U | pCi/L | 5 | B08MQ9 | ITAS Sr-90 |
| 299-W19-32 | Styrene | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Sulfate | 4/22/92 | 124 | 28000 | 27000 | | | ppb | 500 | B01QW2 | ASTM D-4327-88 |
| 299-W19-32 | Sulfate | 7/20/92 | 124 | 24000 | 23200 | | | ppb | 500 | B071R4 | ASTM D-4327-88 |
| 299-W19-32 | Sulfate | 11/13/92 | 124 | 24000 | 23200 | | | ppb | 500 | B07M33 | ASTM D-4327-88 |
| 299-W19-32 | Sulfate | 3/05/93 | 124 | 24000 | 23200 | | | ppb | 500 | B08840 | ASTM D-4327-88 |
| 299-W19-32 | Sulfide | 4/22/92 | 63 | 10000 | | | U | ppb | 10000 | B01QW2 | SW-846 9030 |
| 299-W19-32 | Sulfide | 7/20/92 | 63 | 10000 | | | U | ppb | 10000 | B071R4 | SW-846 9030 |
| 299-W19-32 | Sulfide | 11/13/92 | 63 | 10000 | | | U | ppb | 10000 | B07M33 | SW-846 9030 |
| 299-W19-32 | Sulfide | 3/05/93 | 63 | 10000 | | | U | ppb | 10000 | B08840 | SW-846 9030 |
| 299-W19-32 | Sulfide | 7/20/93 | 63 | 300 | 97 | | LB | ppb | 10000 | B08MQ9 | SW-846 9030 |
| 299-W19-32 | Technetium-99 | 10/01/91 | 143 | 397 | 45 | | | pCi/L | 15 | B00LT5 | ITAS Tc-99 |
| 299-W19-32 | Technetium-99 | 4/22/92 | 143 | 521 | 58 | | | pCi/L | 15 | B01QW2 | ITAS Tc-99 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Technetium-99 | 7/20/92 | 143 | 463 | 52 | | | pCi/L | 15 | B071R4 | ITAS Tc-99 |
| 299-W19-32 | Technetium-99 | 11/13/92 | 143 | 433 | 49 | | | pCi/L | 15 | B07M33 | ITAS Tc-99 |
| 299-W19-32 | Technetium-99 | 3/05/93 | 143 | 439 | 49 | | | pCi/L | 15 | B08840 | ITAS Tc-99 |
| 299-W19-32 | Technetium-99 | 7/20/93 | 143 | 1970 | 216 | | | pCi/L | 15 | B08MQ9 | ITAS Tc-99 |
| 299-W19-32 | Temperature, field | 10/01/91 | 170 | 17 | | | | DegC | 0 | B00LT5 | Probe, temperature |
| 299-W19-32 | Temperature, field | 12/05/91 | 170 | 17 | | | | DegC | 0 | B00N82 | Probe, temperature |
| 299-W19-32 | Temperature, field | 4/22/92 | 170 | 16 | | | | DegC | 0 | B01QW5 | Probe, temperature |
| 299-W19-32 | Temperature, field | 7/20/92 | 170 | 18 | | | | DegC | 0 | B071R4 | Probe, temperature |
| 299-W19-32 | Temperature, field | 11/13/92 | 170 | 17 | | | | DegC | 0 | B07M33 | Probe, temperature |
| 299-W19-32 | Temperature, field | 11/13/92 | 170 | 17 | | | | DegC | 0 | B07M34 | Probe, temperature |
| 299-W19-32 | Temperature, field | 11/13/92 | 170 | 17 | | | | DegC | 0 | B07M35 | Probe, temperature |
| 299-W19-32 | Temperature, field | 11/13/92 | 170 | 17 | | | | DegC | 0 | B07M36 | Probe, temperature |
| 299-W19-32 | Temperature, field | 3/05/93 | 170 | 17 | | | | DegC | 0 | B08840 | Probe, temperature |
| 299-W19-32 | Temperature, field | 3/05/93 | 170 | 17 | | | | DegC | 0 | B08841 | Probe, temperature |
| 299-W19-32 | Temperature, field | 3/05/93 | 170 | 17 | | | | DegC | 0 | B08842 | Probe, temperature |
| 299-W19-32 | Temperature, field | 3/05/93 | 170 | 17 | | | | DegC | 0 | B08843 | Probe, temperature |
| 299-W19-32 | Temperature, field | 7/20/93 | 170 | 17 | | | | DegC | 0 | B08MQ9 | Probe, temperature |
| 299-W19-32 | Temperature, field | 7/20/93 | 170 | 17 | | | | DegC | 0 | B08MR0 | Probe, temperature |
| 299-W19-32 | Temperature, field | 7/20/93 | 170 | 17 | | | | DegC | 0 | B08MR1 | Probe, temperature |
| 299-W19-32 | Temperature, field | 7/20/93 | 170 | 17 | | | | DegC | 0 | B08MR2 | Probe, temperature |
| 299-W19-32 | Tetrachloroethene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Tetrachloroethene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Tetrachloroethene | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Tetrachlorophenols | 4/22/92 | 30 | 10 | | | U | ppb | 10 | B01QW2 | SW-846 8040 |
| 299-W19-32 | Tetrachlorophenols | 7/20/92 | 30 | 10 | | | U | ppb | 10 | B071R4 | SW-846 8040 |
| 299-W19-32 | Tetrachlorophenols | 11/13/92 | 30 | 10 | | | U | ppb | 10 | B07M33 | SW-846 8040 |
| 299-W19-32 | Tetrachlorophenols | 3/05/93 | 30 | 10 | | | U | ppb | 10 | B08840 | SW-846 8040 |
| 299-W19-32 | Tetrahydrofuran | 7/20/93 | 16 | 4 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Thallium | 4/22/92 | 42 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 7841 |
| 299-W19-32 | Thallium | 7/20/92 | 42 | 5 | | | U | ppb | 5 | B071R4 | SW-846 7841 |
| 299-W19-32 | Thallium | 11/13/92 | 42 | 5 | | | U | ppb | 5 | B07M33 | SW-846 7841 |
| 299-W19-32 | Thallium | 3/05/93 | 42 | 5 | | | U | ppb | 5 | B08840 | SW-846 7841 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Thallium | 7/20/93 | 42 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 7841 |
| 299-W19-32 | Thallium, filtered | 4/22/92 | 42 | 5 | | Y | U | ppb | 5 | B01QW6 | SW-846 7841 |
| 299-W19-32 | Thallium, filtered | 7/20/92 | 42 | 5 | | Y | U | ppb | 5 | B071R8 | SW-846 7841 |
| 299-W19-32 | Thallium, filtered | 11/13/92 | 42 | 5 | | Y | U | ppb | 5 | B07M37 | SW-846 7841 |
| 299-W19-32 | Thallium, filtered | 3/05/93 | 42 | 5 | | Y | U | ppb | 5 | B08844 | SW-846 7841 |
| 299-W19-32 | Thallium, filtered | 7/20/93 | 42 | 1 | | Y | U | ppb | 5 | B08MR4 | SW-846 7841 |
| 299-W19-32 | Tin | 10/01/91 | 34 | 100 | | | U | ppb | 100 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Tin | 4/22/92 | 34 | 100 | | | U | ppb | 100 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Tin | 7/20/92 | 34 | 100 | | | U | ppb | 100 | B071R4 | SW-846 6010 |
| 299-W19-32 | Tin | 11/13/92 | 34 | 100 | | | U | ppb | 100 | B07M33 | SW-846 6010 |
| 299-W19-32 | Tin | 3/05/93 | 34 | 100 | | | U | ppb | 100 | B08840 | SW-846 6010 |
| 299-W19-32 | Tin, filtered | 10/01/91 | 34 | 100 | | Y | U | ppb | 100 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Tin, filtered | 4/22/92 | 34 | 100 | | Y | U | ppb | 100 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Tin, filtered | 7/20/92 | 34 | 100 | | Y | U | ppb | 100 | B071R8 | SW-846 6010 |
| 299-W19-32 | Tin, filtered | 11/13/92 | 34 | 100 | | Y | U | ppb | 100 | B07M37 | SW-846 6010 |
| 299-W19-32 | Tin, filtered | 3/05/93 | 34 | 100 | | Y | U | ppb | 100 | B08844 | SW-846 6010 |
| 299-W19-32 | Toluene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Toluene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Toluene | 7/20/93 | 25 | 0 | | | U | ppb | 2 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Total Carbon | 4/22/92 | 127 | 23000 | | | | ppb | 2000 | B01QW2 | ASTM D-2579-A |
| 299-W19-32 | Total Carbon | 7/20/92 | 127 | 28000 | | | | ppb | 2000 | B071R4 | ASTM D-2579-A |
| 299-W19-32 | Total Carbon | 11/13/92 | 127 | 26000 | | | | ppb | 2000 | B07M33 | ASTM D-2579-A |
| 299-W19-32 | Total Carbon | 3/05/93 | 127 | 24000 | | | | ppb | 2000 | B08840 | ASTM D-2579-A |
| 299-W19-32 | Total Carbon | 7/20/93 | 127 | 25000 | | | B | ppb | 2000 | B08MR8 | ASTM D-2579-A |
| 299-W19-32 | Total Dissolved Solids | 7/20/93 | 65 | 240 | | | | ppm | 10 | B08MQ9 | Std Meth #209B |
| 299-W19-32 | Total Organic Carbon | 4/22/92 | 122 | 1000 | | | U | ppb | 1000 | B01QW2 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 4/22/92 | 122 | 1000 | | | U | ppb | 1000 | B01QW3 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 4/22/92 | 122 | 1000 | | | U | ppb | 1000 | B01QW4 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 4/22/92 | 122 | 1000 | | | U | ppb | 1000 | B01QW5 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/92 | 122 | 1000 | | | U | ppb | 1000 | B071R4 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/92 | 122 | 1000 | | | U | ppb | 1000 | B071R5 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/92 | 122 | 1000 | | | U | ppb | 1000 | B071R6 | SW-846 9060 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Total Organic Carbon | 7/20/92 | 122 | 1000 | | | U | ppb | 1000 | B071R7 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 11/13/92 | 122 | 1000 | | | U | ppb | 1000 | B07M33 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 11/13/92 | 122 | 1000 | | | U | ppb | 1000 | B07M34 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 11/13/92 | 122 | 1000 | | | U | ppb | 1000 | B07M35 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 11/13/92 | 122 | 1000 | | | U | ppb | 1000 | B07M36 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 3/05/93 | 122 | 1000 | | | U | ppb | 1000 | B08840 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 3/05/93 | 122 | 1000 | | | U | ppb | 1000 | B08841 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 3/05/93 | 122 | 1000 | | | U | ppb | 1000 | B08842 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 3/05/93 | 122 | 1000 | | | U | ppb | 1000 | B08843 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/93 | 122 | 500 | | | L | ppb | 1000 | B08MQ9 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/93 | 122 | 500 | | | L | ppb | 1000 | B08MR1 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/93 | 122 | 600 | | | L | ppb | 1000 | B08MR0 | SW-846 9060 |
| 299-W19-32 | Total Organic Carbon | 7/20/93 | 122 | 600 | | | L | ppb | 1000 | B08MR2 | SW-846 9060 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 10 | | | | ppb | 10 | B01QW2 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 10 | | | | ppb | 10 | B01QW3 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 10 | | | | ppb | 10 | B01QW4 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 10 | | | | ppb | 10 | B01QW5 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 20 | | | | ppb | 10 | B01QW4 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 30 | | | | ppb | 10 | B01QW3 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 30 | | | | ppb | 10 | B01QW5 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 4/22/92 | 67 | 50 | | | | ppb | 10 | B01QW2 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | | ppb | 10 | B071R4 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | | ppb | 10 | B071R6 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | | ppb | 10 | B071R7 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | U | ppb | 10 | B071R5 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | U | ppb | 10 | B071R6 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 10 | | | U | ppb | 10 | B071R7 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 20 | | | | ppb | 10 | B071R4 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/92 | 67 | 20 | | | | ppb | 10 | B071R5 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | | ppb | 10 | B07M33 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | | ppb | 10 | B07M34 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | | ppb | 10 | B07M35 | SW-846 9020 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | | ppb | 10 | B07M36 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | U | ppb | 10 | B07M33 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 10 | | | U | ppb | 10 | B07M34 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 11/13/92 | 67 | 20 | | | | ppb | 10 | B07M36 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | | ppb | 10 | B08840 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | | ppb | 10 | B08841 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | | ppb | 10 | B08842 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | | ppb | 10 | B08843 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | U | ppb | 10 | B08840 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | U | ppb | 10 | B08841 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | U | ppb | 10 | B08842 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 3/05/93 | 67 | 10 | | | U | ppb | 10 | B08843 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/93 | 67 | 10 | 5 | | | ppb | 10 | B08MR1 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/93 | 67 | 20 | 11 | | | ppb | 10 | B08MQ9 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/93 | 67 | 20 | 11 | | | ppb | 10 | B08MR0 | SW-846 9020 |
| 299-W19-32 | Total Organic Halogen | 7/20/93 | 67 | 20 | 11 | | | ppb | 10 | B08MR2 | SW-846 9020 |
| 299-W19-32 | Toxaphene | 4/22/92 | 17 | 2 | | | U | ppb | 2 | B01QW2 | SW-846 8080 |
| 299-W19-32 | Toxaphene | 7/20/92 | 17 | 2 | | | U | ppb | 2 | B071R4 | SW-846 8080 |
| 299-W19-32 | Toxaphene | 11/13/92 | 17 | 2 | | | U | ppb | 2 | B07M33 | SW-846 8080 |
| 299-W19-32 | Toxaphene | 3/05/93 | 17 | 2 | | | U | ppb | 2 | B08840 | SW-846 8080 |
| 299-W19-32 | Toxaphene | 7/20/93 | 17 | 1 | | | U | ppb | 2 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | Trichloroethene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Trichloroethene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Trichloroethene | 7/20/93 | 25 | 0 | | | L | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Trichloromonofluoromethane | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Trichlorophenols | 4/22/92 | 30 | 5 | | | U | ppb | 5 | B01QW2 | SW-846 8040 |
| 299-W19-32 | Trichlorophenols | 7/20/92 | 30 | 5 | | | U | ppb | 5 | B071R4 | SW-846 8040 |
| 299-W19-32 | Trichlorophenols | 11/13/92 | 30 | 5 | | | U | ppb | 5 | B07M33 | SW-846 8040 |
| 299-W19-32 | Trichlorophenols | 3/05/93 | 30 | 5 | | | U | ppb | 5 | B08840 | SW-846 8040 |
| 299-W19-32 | Tritium | 10/01/91 | 142 | 603 | 236 | | | pCi/L | 500 | B00LT5 | ITAS H-3 |
| 299-W19-32 | Tritium | 4/22/92 | 142 | 1550 | 435 | | | pCi/L | 500 | B01QW2 | ITAS H-3 |
| 299-W19-32 | Tritium | 7/20/92 | 142 | 508 | 244 | | | pCi/L | 500 | B071R4 | ITAS H-3 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Tritium | 11/13/92 | 142 | 483 | 282 | | U | pCi/L | 500 | B07M33 | ITAS H-3 |
| 299-W19-32 | Tritium | 3/05/93 | 142 | 528 | 248 | | | pCi/L | 500 | B08840 | ITAS H-3 |
| 299-W19-32 | Tritium | 7/20/93 | 142 | 582 | 252 | | | pCi/L | 500 | B08MQ9 | ITAS H-3 |
| 299-W19-32 | Turbidity | 4/22/92 | 126 | 1 | | | | NTU | 0 | B01QW2 | Std Meth #214A |
| 299-W19-32 | Turbidity | 7/20/92 | 126 | 1 | | | | NTU | 0 | B071R4 | Std Meth #214A |
| 299-W19-32 | Turbidity | 11/13/92 | 126 | 2 | | | | NTU | 0 | B07M33 | Std Meth #214A |
| 299-W19-32 | Turbidity | 3/05/93 | 126 | 1 | | | | NTU | 0 | B08840 | Std Meth #214A |
| 299-W19-32 | Turbidity | 7/20/93 | 126 | 43 | | | | NTU | 0 | B08MR8 | Std Meth #214A |
| 299-W19-32 | Uranium | 10/01/91 | 145 | 3 | 1 | | | ppb | 1 | B00LT5 | ITAS Gross U |
| 299-W19-32 | Uranium | 4/22/92 | 145 | 3 | 1 | | | ppb | 1 | B01QW2 | ITAS Gross U |
| 299-W19-32 | Uranium | 7/20/92 | 145 | 3 | 1 | | | ppb | 1 | B071R4 | ITAS Gross U |
| 299-W19-32 | Uranium | 11/13/92 | 145 | 3 | 1 | | | ppb | 1 | B07M33 | ITAS Gross U |
| 299-W19-32 | Uranium | 7/20/93 | 145 | 6 | 2 | | | ppb | 1 | B08MR8 | ITAS Gross U |
| 299-W19-32 | Uranium-234 | 7/20/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ9 | ITAS Isotopic U |
| 299-W19-32 | Uranium-235 | 7/20/93 | 148 | 0 | 0 | | U | pCi/L | 0 | B08MQ9 | ITAS Isotopic U |
| 299-W19-32 | Uranium-238 | 3/05/93 | 145 | 4 | 1 | | | ppb | 1 | B08840 | ITAS Gross U |
| 299-W19-32 | Uranium-238 | 7/20/93 | 148 | 2 | 0 | | | pCi/L | 0 | B08MQ9 | ITAS Isotopic U |
| 299-W19-32 | Vanadium | 10/01/91 | 34 | 30 | | | U | ppb | 30 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Vanadium | 4/22/92 | 34 | 30 | | | U | ppb | 30 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Vanadium | 7/20/92 | 34 | 30 | | | U | ppb | 30 | B071R4 | SW-846 6010 |
| 299-W19-32 | Vanadium | 11/13/92 | 34 | 30 | | | U | ppb | 30 | B07M33 | SW-846 6010 |
| 299-W19-32 | Vanadium | 3/05/93 | 34 | 30 | | | U | ppb | 30 | B08840 | SW-846 6010 |
| 299-W19-32 | Vanadium, filtered | 10/01/91 | 34 | 30 | | Y | U | ppb | 30 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Vanadium, filtered | 4/22/92 | 34 | 30 | | Y | U | ppb | 30 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Vanadium, filtered | 7/20/92 | 34 | 30 | | Y | U | ppb | 30 | B071R8 | SW-846 6010 |
| 299-W19-32 | Vanadium, filtered | 11/13/92 | 34 | 30 | | Y | U | ppb | 30 | B07M37 | SW-846 6010 |
| 299-W19-32 | Vanadium, filtered | 3/05/93 | 34 | 30 | | Y | U | ppb | 30 | B08844 | SW-846 6010 |
| 299-W19-32 | Vinyl acetate | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Vinyl chloride | 7/20/93 | 16 | 1 | | | U | ppb | 10 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | Vinyl chloride | 7/20/93 | 25 | 0 | | | U | ppb | 2 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Xylenes (total) | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | Xylenes (total) | 7/20/93 | 16 | 2 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | Xylenes (total) | 7/20/93 | 25 | 0 | | | U | ppb | 5 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | Zinc | 10/01/91 | 34 | 55 | 7 | | | ppb | 10 | B00LT5 | SW-846 6010 |
| 299-W19-32 | Zinc | 4/22/92 | 34 | 76 | 10 | | | ppb | 10 | B01QW2 | SW-846 6010 |
| 299-W19-32 | Zinc | 7/20/92 | 34 | 10 | | | U | ppb | 10 | B071R4 | SW-846 6010 |
| 299-W19-32 | Zinc | 11/13/92 | 34 | 10 | | | U | ppb | 10 | B07M33 | SW-846 6010 |
| 299-W19-32 | Zinc | 3/05/93 | 34 | 10 | | | U | ppb | 10 | B08840 | SW-846 6010 |
| 299-W19-32 | Zinc, filtered | 10/01/91 | 34 | 10 | | Y | U | ppb | 10 | B00LT5F | SW-846 6010 |
| 299-W19-32 | Zinc, filtered | 4/22/92 | 34 | 11 | 1 | Y | | ppb | 10 | B01QW6 | SW-846 6010 |
| 299-W19-32 | Zinc, filtered | 7/20/92 | 34 | 10 | | Y | U | ppb | 10 | B071R8 | SW-846 6010 |
| 299-W19-32 | Zinc, filtered | 11/13/92 | 34 | 10 | | Y | U | ppb | 10 | B07M37 | SW-846 6010 |
| 299-W19-32 | Zinc, filtered | 3/05/93 | 34 | 10 | | Y | U | ppb | 10 | B08844 | SW-846 6010 |
| 299-W19-32 | Zinc-65 | 10/01/91 | 140 | -1 | 19 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | Zirconium/Niobium-95 | 10/01/91 | 140 | 0 | 28 | | U | pCi/L | | B00LT5 | ITAS Gamma Scan |
| 299-W19-32 | allylchloride | 7/20/93 | 16 | 1 | | | U | ppb | 100 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | cis-1,2-Dichloroethylene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | cis-1,2-Dichloroethylene | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | cis-1,3-Dichloropropene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | gamma-BHC (Lindane) | 4/22/92 | 17 | 0 | | | U | ppb | 0 | B01QW2 | SW-846 8080 |
| 299-W19-32 | gamma-BHC (Lindane) | 7/20/92 | 17 | 0 | | | U | ppb | 0 | B071R4 | SW-846 8080 |
| 299-W19-32 | gamma-BHC (Lindane) | 11/13/92 | 17 | 0 | | | U | ppb | 0 | B07M33 | SW-846 8080 |
| 299-W19-32 | gamma-BHC (Lindane) | 3/05/93 | 17 | 0 | | | U | ppb | 0 | B08840 | SW-846 8080 |
| 299-W19-32 | gamma-BHC (Lindane) | 7/20/93 | 17 | 0 | | | U | ppb | 0 | B08MQ9 | SW-846 8080 |
| 299-W19-32 | pH | 10/01/91 | 93 | 7 | | | | | 0 | B00LT6 | Probe, pH |
| 299-W19-32 | pH | 10/01/91 | 93 | 7 | | | | | 0 | B00LT5 | Probe, pH |
| 299-W19-32 | pH | 10/01/91 | 93 | 7 | | | | | 0 | B00LT7 | Probe, pH |
| 299-W19-32 | pH | 10/01/91 | 93 | 7 | | | | | 0 | B00LT8 | Probe, pH |
| 299-W19-32 | pH | 12/05/91 | 93 | 8 | | | | | 0 | B00N82 | Probe, pH |
| 299-W19-32 | pH | 4/22/92 | 93 | 8 | | | | | 0 | B01QW2 | Probe, pH |
| 299-W19-32 | pH | 4/22/92 | 93 | 8 | | | | | 0 | B01QW3 | Probe, pH |
| 299-W19-32 | pH | 4/22/92 | 93 | 8 | | | | | 0 | B01QW4 | Probe, pH |
| 299-W19-32 | pH | 4/22/92 | 93 | 8 | | | | | 0 | B01QW5 | Probe, pH |
| 299-W19-32 | pH | 7/20/92 | 93 | 8 | | | | | 0 | B071R4 | Probe, pH |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W19-32 | pH | 7/20/92 | 93 | 8 | | | | | 0 | B071R5 | Probe, pH |
| 299-W19-32 | pH | 7/20/92 | 93 | 8 | | | | | 0 | B071R6 | Probe, pH |
| 299-W19-32 | pH | 7/20/92 | 93 | 8 | | | | | 0 | B071R7 | Probe, pH |
| 299-W19-32 | pH | 11/13/92 | 93 | 8 | | | | | 0 | B07M33 | Probe, pH |
| 299-W19-32 | pH | 11/13/92 | 93 | 8 | | | | | 0 | B07M35 | Probe, pH |
| 299-W19-32 | pH | 11/13/92 | 93 | 8 | | | | | 0 | B07M36 | Probe, pH |
| 299-W19-32 | pH | 11/13/92 | 93 | 8 | | | | | 0 | B07M34 | Probe, pH |
| 299-W19-32 | pH | 3/05/93 | 125 | 8 | | | | pH | | B08840 | ASTM D-1293 |
| 299-W19-32 | pH | 3/05/93 | 93 | 8 | | | | | 0 | B08840 | Probe, pH |
| 299-W19-32 | pH | 3/05/93 | 93 | 8 | | | | | 0 | B08841 | Probe, pH |
| 299-W19-32 | pH | 3/05/93 | 93 | 8 | | | | | 0 | B08842 | Probe, pH |
| 299-W19-32 | pH | 3/05/93 | 93 | 8 | | | | | 0 | B08843 | Probe, pH |
| 299-W19-32 | pH | 7/20/93 | 125 | 8 | | | | pH | | B08MQ9 | ASTM D-1293 |
| 299-W19-32 | pH | 7/20/93 | 93 | 8 | | | | | 0 | B08MR0 | Probe, pH |
| 299-W19-32 | pH | 7/20/93 | 93 | 8 | | | | | 0 | B08MR1 | Probe, pH |
| 299-W19-32 | pH | 7/20/93 | 93 | 8 | | | | | 0 | B08MR2 | Probe, pH |
| 299-W19-32 | pH | 7/20/93 | 93 | 8 | | | | | 0 | B08MQ9 | Probe, pH |
| 299-W19-32 | trans-1,2-Dichloroethylene | 4/22/92 | 83 | | | | U | ppb | | B06574 | PNL VOAs |
| 299-W19-32 | trans-1,2-Dichloroethylene | 7/20/93 | 25 | 0 | | | U | ppb | 1 | B08MZ2 | SW-846 8010/8020 |
| 299-W19-32 | trans-1,3-Dichloropropene | 7/20/93 | 16 | 0 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |
| 299-W19-32 | trans-1,4-dichloro-2-butene | 7/20/93 | 16 | 1 | | | U | ppb | 5 | B08MQ9 | SW-846 8240 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | 2,4,5-T | 4/29/93 | 49 | 0 | | | U | ppb | 2 | B08CG9 | SW-846 8150 |
| 299-W23-16 | 2,4,5-T | 6/25/93 | 49 | 0 | | | U | ppb | 2 | B08NJ0 | SW-846 8150 |
| 299-W23-16 | 2,4,5-TP | 4/29/93 | 49 | 0 | | | U | ppb | 2 | B08CG9 | SW-846 8150 |
| 299-W23-16 | 2,4,5-TP | 6/25/93 | 49 | 0 | | | U | ppb | 2 | B08NJ0 | SW-846 8150 |
| 299-W23-16 | 2,4-D | 4/29/93 | 49 | 0 | | | U | ppb | 10 | B08CG9 | SW-846 8150 |
| 299-W23-16 | 2,4-D | 6/25/93 | 49 | 0 | | | U | ppb | 10 | B08NJ0 | SW-846 8150 |
| 299-W23-16 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 4/29/93 | 49 | 0 | | | U | ppb | 1 | B08CG9 | SW-846 8150 |
| 299-W23-16 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 6/25/93 | 49 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8150 |
| 299-W23-16 | 4,4'-DDD | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | 4,4'-DDE | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | 4,4'-DDT | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aldrin | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Alkalinity | 6/25/93 | 52 | 80 | | | | ppm | 50 | B08NJ0 | ASTM D-1067-A |
| 299-W23-16 | Alpha-BHC | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aluminum | 6/25/93 | 34 | 33 | | Y | U | ppb | 200 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Aluminum | 6/25/93 | 34 | 250 | | | | ppb | 200 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Americium-241 | 6/25/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08NJ0 | ITAS Am-241 |
| 299-W23-16 | Ammonium ion | 6/25/93 | 54 | 39 | | | U | ppb | 100 | B08NJ0 | ASTM D-1426-D |
| 299-W23-16 | Antimony | 6/25/93 | 34 | 69 | | | U | ppb | 200 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Antimony, filtered | 6/25/93 | 34 | 69 | | Y | U | ppb | 200 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Aroclor-1016 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1221 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1232 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1242 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1248 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1254 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Aroclor-1260 | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Arsenic | 6/25/93 | 43 | 6 | 5 | | | ppb | 5 | B08NJ0 | SW-846 7060 |
| 299-W23-16 | Arsenic, filtered | 6/25/93 | 43 | 6 | 4 | Y | | ppb | 5 | B08NJ1 | SW-846 7060 |
| 299-W23-16 | Barium | 6/25/93 | 34 | 37 | 0 | | | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Barium, filtered | 6/25/93 | 34 | 33 | 0 | Y | | ppb | 20 | B08NJ1 | SW-846 6010 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | Beryllium | 6/25/93 | 34 | 1 | | | U | ppb | 3 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Beryllium, filtered | 6/25/93 | 34 | 1 | | Y | U | ppb | 3 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Beta-BHC | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Bromide | 4/29/93 | 124 | 53 | | | U | ppb | 500 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Bromide | 6/25/93 | 124 | 53 | | | U | ppb | 500 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Cadmium | 6/25/93 | 34 | 5 | | | U | ppb | 10 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Cadmium, filtered | 6/25/93 | 34 | 5 | | Y | U | ppb | 10 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Calcium | 6/25/93 | 34 | 14000 | 4240 | | | ppb | 100 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Calcium, filtered | 6/25/93 | 34 | 14000 | 4240 | Y | | ppb | 100 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Chlordane | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Chloride | 4/29/93 | 124 | 1400 | 149 | | | ppb | 200 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Chloride | 6/25/93 | 124 | 1000 | 166 | | | ppb | 200 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Chromium | 6/25/93 | 34 | 24 | 6 | | | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Chromium, filtered | 6/25/93 | 34 | 5 | | Y | U | ppb | 20 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Cobalt | 6/25/93 | 34 | 4 | | | U | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Cobalt, filtered | 6/25/93 | 34 | 4 | | Y | U | ppb | 20 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Copper | 6/25/93 | 34 | 3 | | | U | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Copper, filtered | 6/25/93 | 34 | 3 | | Y | U | ppb | 20 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Cyanide | 4/29/93 | 56 | 200 | 63 | | L | ppb | 20 | B08CG9 | SW-846 9010 |
| 299-W23-16 | Cyanide | 6/25/93 | 56 | 1 | | | U | ppb | 20 | B08NJ0 | SW-846 9010 |
| 299-W23-16 | Delta-BHC | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Dieldrin | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Endosulfan I | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Endosulfan II | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Endosulfan sulfate | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Endrin | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Endrin Aldehyde | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Fluoride | 4/29/93 | 124 | 400 | 70 | | | ppb | 100 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Fluoride | 6/25/93 | 124 | 500 | 33 | | | ppb | 100 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Gross alpha | 4/29/93 | 135 | 6 | 3 | | | pCi/L | 4 | B08CG9 | SW-846 9310, Alpha |
| 299-W23-16 | Gross alpha | 6/25/93 | 135 | 2 | 1 | | | pCi/L | 4 | B08NJ0 | SW-846 9310, Alpha |
| 299-W23-16 | Gross beta | 4/29/93 | 136 | 17 | 3 | | | pCi/L | 8 | B08CG9 | SW-846 9310, Beta |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | Gross beta | 6/25/93 | 136 | 10 | 3 | | | pCi/L | 8 | B08NJ0 | SW-846 9310, Beta |
| 299-W23-16 | Heptachlor | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Heptachlor epoxide | 6/25/93 | 17 | 0 | | | U | ppb | 1 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Iron | 6/25/93 | 34 | 490 | 219 | | | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Iron, filtered | 6/25/93 | 34 | 54 | 24 | Y | | ppb | 20 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Lead | 6/25/93 | 40 | 1 | 0 | | L | ppb | 5 | B08NJ0 | SW-846 7421 |
| 299-W23-16 | Lead, filtered | 6/25/93 | 40 | 1 | 0 | Y | L | ppb | 5 | B08NJ1 | SW-846 7421 |
| 299-W23-16 | Magnesium | 6/25/93 | 34 | 4500 | 2360 | | | ppb | 100 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Magnesium, filtered | 6/25/93 | 34 | 4400 | 2310 | Y | | ppb | 100 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Manganese | 6/25/93 | 34 | 63 | 18 | | | ppb | 10 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Manganese, filtered | 6/25/93 | 34 | 51 | 14 | Y | | ppb | 10 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Mercury | 4/29/93 | 41 | 0 | | | U | ppb | 0 | B08CG9 | SW-846 7470 |
| 299-W23-16 | Mercury | 6/25/93 | 41 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 7470 |
| 299-W23-16 | Mercury, filtered | 6/25/93 | 41 | 0 | | Y | U | ppb | 0 | B08NJ1 | SW-846 7470 |
| 299-W23-16 | Methoxychlor | 6/25/93 | 17 | 0 | | | U | ppb | 2 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Nickel | 6/25/93 | 34 | 18 | | | U | ppb | 30 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Nickel, filtered | 6/25/93 | 34 | 18 | | Y | U | ppb | 30 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Nitrate | 4/29/93 | 124 | 44 | | | U | ppb | 200 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Nitrate | 6/25/93 | 124 | 400 | 35 | | | ppb | 200 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Nitrite | 4/29/93 | 124 | 38 | | | U | ppb | 200 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Nitrite | 6/25/93 | 124 | 38 | | | U | ppb | 200 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Phosphate | 4/29/93 | 124 | 500 | 39 | | L | ppb | 400 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Phosphate | 4/29/93 | 124 | 500 | 39 | | L | ppb | 500 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Phosphate | 6/25/93 | 124 | 147 | | | U | ppb | 400 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Phosphate | 6/25/93 | 124 | 147 | | | U | ppb | 500 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Plutonium-238 | 6/25/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08NJ0 | ITAS Isotopic Pu |
| 299-W23-16 | Plutonium-239/40 | 6/25/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08NJ0 | ITAS Isotopic Pu |
| 299-W23-16 | Potassium | 6/25/93 | 34 | 3600 | 3450 | | | ppb | 300 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Potassium | 6/25/93 | 34 | 3600 | 3450 | | | ppb | 1000 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Potassium, filtered | 6/25/93 | 34 | 3600 | 3450 | Y | | ppb | 300 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Potassium, filtered | 6/25/93 | 34 | 3600 | 3450 | Y | | ppb | 1000 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Radium | 4/29/93 | 137 | 1 | 0 | | | pCi/L | 1 | B08CG9 | SW-846 9315, Radium |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-16 | Selenium | 6/25/93 | 48 | 1 | | | U | ppb | 10 | B08NJ0 | SW-846 7740 |
| 299-W23-16 | Selenium, filtered | 6/25/93 | 48 | 1 | | Y | U | ppb | 10 | B08NJ1 | SW-846 7740 |
| 299-W23-16 | Silver | 6/25/93 | 34 | 3 | | | U | ppb | 20 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Silver, filtered | 6/25/93 | 34 | 3 | | Y | U | ppb | 20 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Sodium | 6/25/93 | 34 | 19000 | 5930 | | | ppb | 300 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Sodium, filtered | 6/25/93 | 34 | 19000 | 5930 | Y | | ppb | 300 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Strontium-90 | 6/25/93 | 141 | -0 | 0 | | U | pCi/L | 5 | B08NJ0 | ITAS Sr-90 |
| 299-W23-16 | Sulfate | 4/29/93 | 124 | 5000 | 544 | | | ppb | 500 | B08CG9 | ASTM D-4327-88 |
| 299-W23-16 | Sulfate | 6/25/93 | 124 | 9300 | 452 | | | ppb | 500 | B08NJ0 | ASTM D-4327-88 |
| 299-W23-16 | Sulfide | 6/25/93 | 63 | 300 | 97 | | L | ppb | 10000 | B08NJ0 | SW-846 9030 |
| 299-W23-16 | Thallium | 6/25/93 | 42 | 1 | | | U | ppb | 5 | B08NJ0 | SW-846 7841 |
| 299-W23-16 | Thallium, filtered | 6/25/93 | 42 | 1 | | Y | U | ppb | 5 | B08NJ1 | SW-846 7841 |
| 299-W23-16 | Tin | 6/25/93 | 34 | 51 | | | U | ppb | 100 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Tin, filtered | 6/25/93 | 34 | 51 | | Y | U | ppb | 100 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Total Dissolved Solids | 6/25/93 | 65 | 140 | | | | ppm | 10 | B08NJ0 | Std Meth #209B |
| 299-W23-16 | Total Organic Carbon | 6/25/93 | 122 | 400 | | | LB | ppb | 1000 | B08NJ0 | SW-846 9060 |
| 299-W23-16 | Total Organic Halogen | 6/25/93 | 67 | 8 | | | U | ppb | 10 | B08NJ0 | SW-846 9020 |
| 299-W23-16 | Toxaphene | 6/25/93 | 17 | 1 | | | U | ppb | 2 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | Tritium | 6/25/93 | 142 | 190 | 240 | | U | pCi/L | 500 | B08NJ0 | ITAS H-3 |
| 299-W23-16 | Uranium-234 | 6/25/93 | 148 | 6 | 1 | | | pCi/L | 0 | B08NJ0 | ITAS Isotopic U |
| 299-W23-16 | Uranium-235 | 6/25/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08NJ0 | ITAS Isotopic U |
| 299-W23-16 | Uranium-238 | 6/25/93 | 148 | 5 | 1 | | | pCi/L | 0 | B08NJ0 | ITAS Isotopic U |
| 299-W23-16 | Vanadium | 6/25/93 | 34 | 4 | | | U | ppb | 30 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Vanadium, filtered | 6/25/93 | 34 | 4 | | Y | U | ppb | 30 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | Zinc | 6/25/93 | 34 | 430 | 134 | | | ppb | 10 | B08NJ0 | SW-846 6010 |
| 299-W23-16 | Zinc, filtered | 6/25/93 | 34 | 3 | | Y | U | ppb | 10 | B08NJ1 | SW-846 6010 |
| 299-W23-16 | gamma-BHC (Lindane) | 6/25/93 | 17 | 0 | | | U | ppb | 0 | B08NJ0 | SW-846 8080 |
| 299-W23-16 | pH | 6/25/93 | 125 | 8 | | | | pH | | B08NJ0 | ASTM D-1293 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | 2,4,5-T | 6/24/93 | 49 | 0 | | | U | ppb | 2 | B08NJ2 | SW-846 8150 |
| 299-W23-17 | 2,4,5-TP | 6/24/93 | 49 | 0 | | | U | ppb | 2 | B08NJ2 | SW-846 8150 |
| 299-W23-17 | 2,4-D | 6/24/93 | 49 | 0 | | | U | ppb | 10 | B08NJ2 | SW-846 8150 |
| 299-W23-17 | 2-sec-Butyl-4,6-dinitrophenol(DNBP) | 6/24/93 | 49 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8150 |
| 299-W23-17 | 4,4'-DDD | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | 4,4'-DDE | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | 4,4'-DDT | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aldrin | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Alkalinity | 6/24/93 | 52 | 80 | | | | ppm | 50 | B08NJ2 | ASTM D-1067-A |
| 299-W23-17 | Alpha-BHC | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aluminum | 6/24/93 | 34 | 33 | | Y | U | ppb | 200 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Aluminum | 6/24/93 | 34 | 210 | | | | ppb | 200 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Americium-241 | 6/24/93 | 147 | -0 | 0 | | U | pCi/L | 0 | B08NJ2 | ITAS Am-241 |
| 299-W23-17 | Ammonium ion | 6/24/93 | 54 | 39 | | | U | ppb | 100 | B08NJ2 | ASTM D-1426-D |
| 299-W23-17 | Antimony | 6/24/93 | 34 | 69 | | | U | ppb | 200 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Antimony, filtered | 6/24/93 | 34 | 69 | | Y | U | ppb | 200 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Antimony-125 | 6/24/93 | 140 | 6 | 14 | | U | pCi/L | | B08NJ2 | ITAS Gamma Scan |
| 299-W23-17 | Aroclor-1016 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1221 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1232 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1242 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1248 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1254 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Aroclor-1260 | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Arsenic | 6/24/93 | 43 | 10 | 8 | | | ppb | 5 | B08NJ2 | SW-846 7060 |
| 299-W23-17 | Arsenic, filtered | 6/24/93 | 43 | 10 | 8 | Y | | ppb | 5 | B08NJ3 | SW-846 7060 |
| 299-W23-17 | Barium | 6/24/93 | 34 | 28 | 0 | | | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Barium, filtered | 6/24/93 | 34 | 25 | 0 | Y | | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Beryllium | 6/24/93 | 34 | 1 | | | U | ppb | 3 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Beryllium, filtered | 6/24/93 | 34 | 1 | | Y | U | ppb | 3 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Beta-BHC | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | Bromide | 6/24/93 | 124 | 500 | | | U | ppb | 500 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Cadmium | 6/24/93 | 34 | 5 | | | U | ppb | 10 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Cadmium, filtered | 6/24/93 | 34 | 5 | | Y | U | ppb | 10 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Calcium | 6/24/93 | 34 | 18000 | 5450 | | | ppb | 100 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Calcium, filtered | 6/24/93 | 34 | 17000 | 5150 | Y | | ppb | 100 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Cesium-137 | 6/24/93 | 140 | -3 | 4 | | U | pCi/L | 20 | B08NJ2 | ITAS Gamma Scan |
| 299-W23-17 | Chlordane | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Chloride | 6/24/93 | 124 | 900 | 149 | | | ppb | 200 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Chromium | 6/24/93 | 34 | 29 | 8 | | | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Chromium, filtered | 6/24/93 | 34 | 5 | | Y | U | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Cobalt | 6/24/93 | 34 | 4 | | | U | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Cobalt, filtered | 6/24/93 | 34 | 4 | | Y | U | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Cobalt-60 | 6/24/93 | 140 | 3 | 7 | | U | pCi/L | | B08NJ2 | ITAS Gamma Scan |
| 299-W23-17 | Copper | 6/24/93 | 34 | 3 | | | U | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Copper, filtered | 6/24/93 | 34 | 3 | | Y | U | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Cyanide | 6/24/93 | 56 | 1 | | | U | ppb | 20 | B08NJ2 | SW-846 9010 |
| 299-W23-17 | Delta-BHC | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Dieldrin | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Endosulfan I | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Endosulfan II | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Endosulfan sulfate | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Endrin | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Endrin Aldehyde | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Fluoride | 6/24/93 | 124 | 300 | 20 | | | ppb | 100 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Gross alpha | 6/24/93 | 135 | 12 | 4 | | | pCi/L | 4 | B08NJ2 | SW-846 9310, Alpha |
| 299-W23-17 | Gross beta | 6/24/93 | 136 | 13 | 3 | | | pCi/L | 8 | B08NJ2 | SW-846 9310, Beta |
| 299-W23-17 | Heptachlor | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Heptachlor epoxide | 6/24/93 | 17 | 0 | | | U | ppb | 1 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Iron | 6/24/93 | 34 | 420 | 188 | | | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Iron, filtered | 6/24/93 | 34 | 38 | 17 | Y | | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Lead | 6/24/93 | 40 | 1 | | | U | ppb | 5 | B08NJ2 | SW-846 7421 |
| 299-W23-17 | Lead, filtered | 6/24/93 | 40 | 1 | | Y | U | ppb | 5 | B08NJ3 | SW-846 7421 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | Magnesium | 6/24/93 | 34 | 5900 | 3100 | | | ppb | 100 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Magnesium, filtered | 6/24/93 | 34 | 5800 | 3040 | Y | | ppb | 100 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Manganese | 6/24/93 | 34 | 25 | 7 | | | ppb | 10 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Manganese, filtered | 6/24/93 | 34 | 13 | 4 | Y | | ppb | 10 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Mercury | 6/24/93 | 41 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 7470 |
| 299-W23-17 | Mercury, filtered | 6/24/93 | 41 | 0 | | Y | U | ppb | 0 | B08NJ3 | SW-846 7470 |
| 299-W23-17 | Methoxychlor | 6/24/93 | 17 | 0 | | | U | ppb | 2 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Nickel | 6/24/93 | 34 | 18 | | | U | ppb | 30 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Nickel, filtered | 6/24/93 | 34 | 18 | | Y | U | ppb | 30 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Nitrate | 6/24/93 | 124 | 400 | 35 | | | ppb | 200 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Nitrite | 6/24/93 | 124 | 200 | | | U | ppb | 200 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Phosphate | 6/24/93 | 124 | 400 | | | U | ppb | 400 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Phosphate | 6/24/93 | 124 | 400 | | | U | ppb | 500 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Plutonium-238 | 6/24/93 | 146 | -0 | 0 | | U | pCi/L | 0 | B08NJ2 | ITAS Isotopic Pu |
| 299-W23-17 | Plutonium-239/40 | 6/24/93 | 146 | 0 | 0 | | U | pCi/L | 0 | B08NJ2 | ITAS Isotopic Pu |
| 299-W23-17 | Potassium | 6/24/93 | 34 | 4800 | 4590 | | | ppb | 300 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Potassium | 6/24/93 | 34 | 4800 | 4590 | | | ppb | 1000 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Potassium, filtered | 6/24/93 | 34 | 4300 | 4120 | Y | | ppb | 300 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Potassium, filtered | 6/24/93 | 34 | 4300 | 4120 | Y | | ppb | 1000 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Ruthenium-106 | 6/24/93 | 140 | 9 | 53 | | U | pCi/L | | B08NJ2 | ITAS Gamma Scan |
| 299-W23-17 | Selenium | 6/24/93 | 48 | 1 | | | U | ppb | 10 | B08NJ2 | SW-846 7740 |
| 299-W23-17 | Selenium, filtered | 6/24/93 | 48 | 1 | | Y | U | ppb | 10 | B08NJ3 | SW-846 7740 |
| 299-W23-17 | Silver | 6/24/93 | 34 | 3 | | | U | ppb | 20 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Silver, filtered | 6/24/93 | 34 | 3 | | Y | U | ppb | 20 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Sodium | 6/24/93 | 34 | 12000 | 3740 | | | ppb | 300 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Sodium, filtered | 6/24/93 | 34 | 10000 | 3120 | Y | | ppb | 300 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Specific conductance | 6/24/93 | 73 | 190 | | | | umhos | | B08NJ2 | ASTM D-1125-A |
| 299-W23-17 | Strontium-90 | 6/24/93 | 141 | -0 | 0 | | U | pCi/L | 5 | B08NJ2 | ITAS Sr-90 |
| 299-W23-17 | Sulfate | 6/24/93 | 124 | 9300 | 452 | | | ppb | 500 | B08NJ2 | ASTM D-4327-88 |
| 299-W23-17 | Sulfide | 6/24/93 | 63 | 300 | | | U | ppb | 10000 | B08NJ2 | SW-846 9030 |
| 299-W23-17 | Technetium-99 | 6/24/93 | 143 | 1 | 2 | | U | pCi/L | 15 | B08NJ2 | ITAS Tc-99 |
| 299-W23-17 | Thallium | 6/24/93 | 42 | 1 | | | U | ppb | 5 | B08NJ2 | SW-846 7841 |

| Well | Constituent Name | Collect Date | Method | Result | Error | Filtered | Qualifier | Units | CRQL | Sample No | Method Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 299-W23-17 | Thallium, filtered | 6/24/93 | 42 | 1 | | Y | U | ppb | 5 | B08NJ3 | SW-846 7841 |
| 299-W23-17 | Tin | 6/24/93 | 34 | 51 | | | U | ppb | 100 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Tin, filtered | 6/24/93 | 34 | 51 | | Y | U | ppb | 100 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Total Dissolved Solids | 6/24/93 | 65 | 120 | | | | ppm | 10 | B08NJ2 | Std Meth #209B |
| 299-W23-17 | Total Organic Carbon | 6/24/93 | 122 | 300 | | | LB | ppb | 1000 | B08NJ2 | SW-846 9060 |
| 299-W23-17 | Total Organic Halogen | 6/24/93 | 67 | 8 | | | U | ppb | 10 | B08NJ2 | SW-846 9020 |
| 299-W23-17 | Toxaphene | 6/24/93 | 17 | 1 | | | U | ppb | 2 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | Tritium | 6/24/93 | 142 | 28 | 231 | | U | pCi/L | 500 | B08NJ2 | ITAS H-3 |
| 299-W23-17 | Uranium-234 | 6/24/93 | 148 | 8 | 1 | | | pCi/L | 0 | B08NJ2 | ITAS Isotopic U |
| 299-W23-17 | Uranium-235 | 6/24/93 | 148 | 0 | 0 | | | pCi/L | 0 | B08NJ2 | ITAS Isotopic U |
| 299-W23-17 | Uranium-238 | 6/24/93 | 148 | 8 | 1 | | | pCi/L | 0 | B08NJ2 | ITAS Isotopic U |
| 299-W23-17 | Vanadium | 6/24/93 | 34 | 4 | | | U | ppb | 30 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Vanadium, filtered | 6/24/93 | 34 | 4 | | Y | U | ppb | 30 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | Zinc | 6/24/93 | 34 | 3 | | | U | ppb | 10 | B08NJ2 | SW-846 6010 |
| 299-W23-17 | Zinc, filtered | 6/24/93 | 34 | 3 | | Y | U | ppb | 10 | B08NJ3 | SW-846 6010 |
| 299-W23-17 | gamma-BHC (Lindane) | 6/24/93 | 17 | 0 | | | U | ppb | 0 | B08NJ2 | SW-846 8080 |
| 299-W23-17 | pH | 6/24/93 | 125 | 8 | | | | pH | | B08NJ2 | ASTM D-1293 |

# APPENDIX G

# AQUIFER TESTING

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# SLUG TEST ANALYSIS RESULTS FOR THREE WELLS NEAR THE 216-U-14 DITCH

Instantaneous slug injection and withdrawal tests were conducted at wells 299-W23-16, 299-W23-17, and 299-W18-33 on June 15, 11, and 28, 1993, respectively. The following sections describe the analysis and test results for each of these wells.

## Analysis Results

Slug withdrawal data were analyzed by the Bouwer and Rice (1976, 1989) method which is applicable to unconfined aquifer conditions. The hydraulic conductivities were 2, 5, and 4 ft/d for wells 299-W23-16, 299-W23-17, and 299-W18-33, respectively. Figures 1, 2, and 3 show the analysis plots for each of the wells. The computer software package ISOAQX (a trademark of HydraLogic, Missoula, MT) was used to evaluate the slug test data.

Each of the data plots shows the double curve effect usually caused by the filter pack material around the well screen (Bouwer 1989). The first straight-line portion with the higher slope is probably due to the highly permeable filter pack material. The second straight line is more representative of flow from the aquifer. For this reason, the hydraulic conductivity of the aquifer was calculated using the second straight-line section.

## Test Limitations

Slug tests stress a relatively small portion of the aquifer immediately around the borehole. As a consequence, the test results may be influenced by local formational heterogeneities, borehole skin effects created by drilling operations, incomplete well development, and filter pack effects. Any use of the test results should include a note of these limitations.

The slug injection portion of the data was not analyzed because of the significant amount disruption to the water surface when the slugging rod is injected. This introduces an error factor in the test results, and generally provides a less unique analysis solution.

## Test Equipment and Setup

A slug rod volume of 0.194 $ft^3$ was used to perform the slug injection and withdrawal tests. Water level changes during injection and withdrawal of the slug rod were measured with an in situ pressure transducer and the data were recorded on a data logger.

9413153.0793

Analysis Input Parameters

The input parameters for the analyses are listed in Table 1. More detailed computations were needed to estimate the effective radius of the well casing. When the rise of the water level during a slug test is in the screened section of a filter packed well, Bouwer (1989) indicates that a correction to the casing radius term is necessary. A correction to the casing radius can be calculated from the equation:

$$r_{ce} = [(1-n)r_c^2 + nr_w^2]^{1/2}$$

Where, $r_{ce}$ = effective casing radius
$n$ = porosity
$r_c$ = inside radius of the casing (well screen)
$r_w$ = radius of the borehole.

This correction takes into account the thickness and porosity of the filter pack. As shown in Table 1, the effective casing radius was calculated to be 0.27 ft for a standard 20-40 mesh filter pack material with a porosity of 40%, a nominal 8-inch diameter borehole, and a well screen with an insider diameter of 4 inches.

Table 1. Input Parameters Used for the Bouwer and Rice (1976) Slug Withdrawal Analysis for three Wells Near the 216-U-14 Ditch.

| Well Name | Aquifer Thickness (ft) | Effective Casing Radius (ft) | Well Radius (ft) | Screened Interval (ft) |
|---|---|---|---|---|
| 216-W23-16 | 215 | 0.27 | 0.33 | 0 - 27.2 |
| 216-W23-17 | 215 | 0.27 | 0.33 | 0 - 24.5 |
| 216-W18-33 | 215 | 0.27 | 0.33 | 0 - 27.9 |

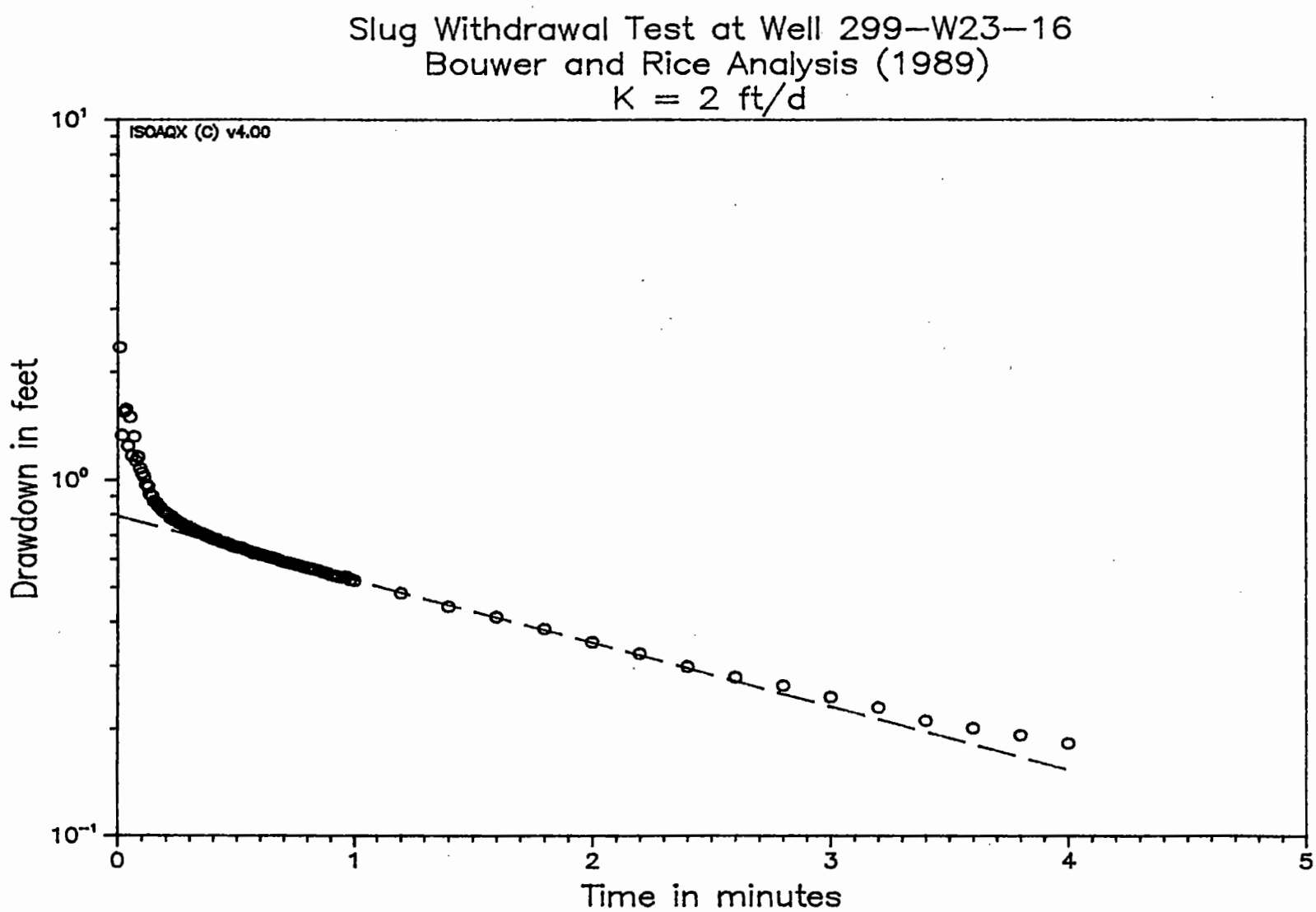


Figure 1. Bouwer and Rice Analysis Plot for Well 216-W23-16.

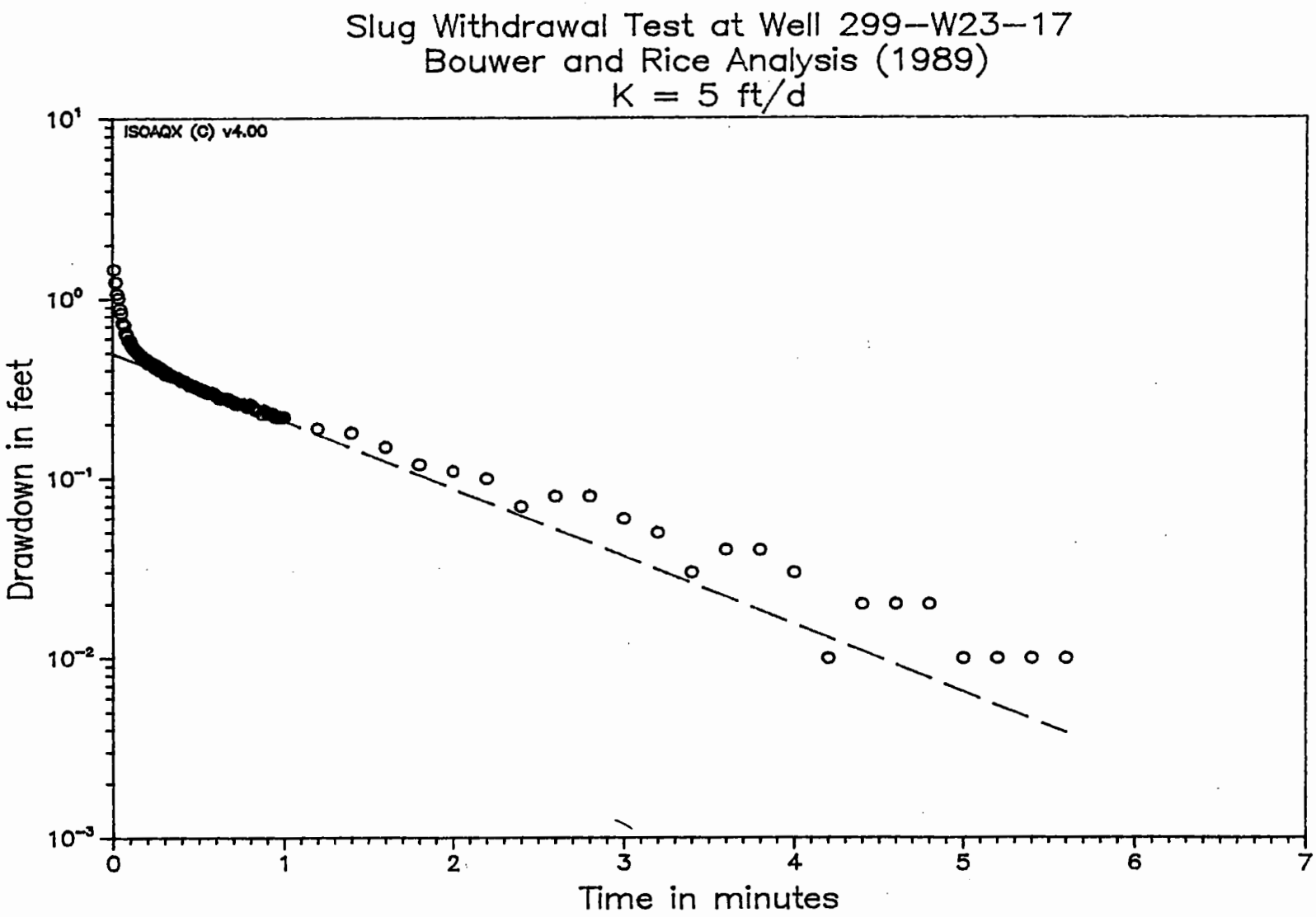


Figure 2. Bouwer and Rice Analysis Plot for Well 216-W23-17.

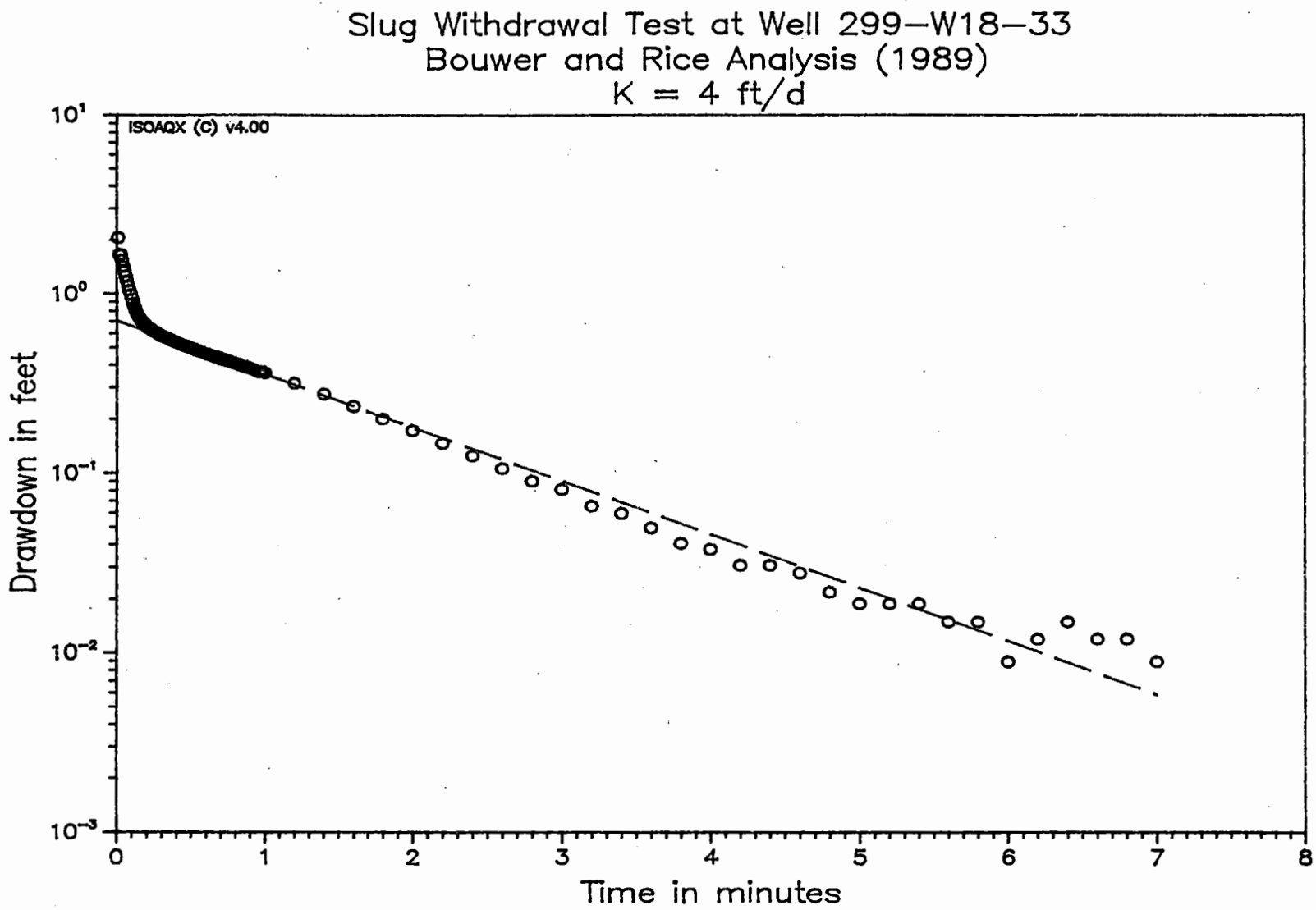


Figure 3. Bouwer and Rice Analysis Plot for Well 216-W18-33.

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# APPENDIX H

# GEOPHYSICAL LOGGING

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9413153.0799

**Westinghouse Hanford Company** | **Internal Memo**

From: Geophysics 81234-93-034
Phone: 6-4224 H6-06
Date: October 28, 1993
Subject: SPECTRAL GAMMA-RAY LOGGING REPORT OF RADIONUCLIDE SURVEYS ACQUIRED FOR THE U-14 DITCH GROUNDWATER IMPACT ASSESSMENT

To: K. M. Singleton H6-06

cc: J. R. Brodeur H6-06
J. W. Fassett H6-06
K. R. Fecht H6-06
S. E. Kos H6-06
R. K. Price H6-06
R. R. Thompson L4-96
JWF File/LB

Attached is a report for eight boreholes surveyed with the spectral gamma-ray logging truck in the vicinity of the U-14 ditch. The spectral gamma-ray logs were collected with the Radionuclide Logging System high-purity germanium passive gamma-ray logging probe and showed the presence of gamma-ray emitting man-made radionuclides in four of the eight boreholes. The maximum activity where man-made radionuclides were detected did not exceed five pCi/g, and in all wells the activity occurred near ground surface.

Questions about the technical material in the report should be directed to R. K. Price of the Geophysics staff at 376-9148.

J.W. Fassett

J.W. Fassett, Manager

dds

Attachments 2

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Attachment 1

# RLS Passive Spectral Gamma-Ray Borehole Survey Report

| | | | |
|---|---|---|---|
| Report Date: | October 28, 1993 | | |
| Project: | U-14 Ditch Groundwater Impact Assessment | | |
| Boreholes: | 299-W18-15 | 299-W19-32 | |
| | 299-W19-21 | 299-W19-91 | |
| | 299-W19-22 | 299-W19-92 | |
| | 299-W19-27 | 299-W19-93 | |
| Calibration Date: | November 1991 | | |
| Logging Engineers: | R. V. Cram, | S. E. Kos, | J. P. Kiesler |
| Analyst: | R. K. Price, | W. F. Nicaise | |

9413153.0801

## Introduction

Logging with the high-resolution, high-purity germanium (HPGe) passive spectral gamma-ray system has been completed for the eight boreholes in the vicinity of the U-14 ditch. A summary of the boreholes included in this report are presented in Table 1. Table 1 contains a summary of the information presented in this report and includes the following: survey completion date, maximum survey depth, and the maximum depth at which each man-made radionuclide was identified.

The objective of the borehole surveys was to identify the presence and species of man-made, gamma-ray emitting radionuclides and their relative activity levels. The graphs of the decay activities (concentrations) versus depth for man-made radionuclides and the natural radionuclides are presented for each survey. Decay activities are reported in pico-curies per gram (pCi/g) of sample.

The contents of the report are limited to the description of the survey results for each borehole logged. Details of equipment configuration, calibration, logging procedures, casing and water-correction factors, spectra analysis software, and data management have been excluded. The details of these topics are described in the papers cited at the end of this report.

## U-14 Ditch Groundwater Impact Assessment

Observations of the Radionuclide Logging System (RLS) borehole surveys included in this report are summarized below. This review does not necessarily include all the information that can be gleaned from the spectral gamma-ray survey data.

**Table 1: Summary of Maximum Radionuclide Depths from RLS Log Surveys of U-14 Ditch Wells**

| Borehole ID | Survey Date[1] | Survey Depth[2] | Cesium-137 Depth[3] | Cobalt-60 Depth[3] | Europium-152 Depth[3] | Europium-154 Depth[3] |
|---|---|---|---|---|---|---|
| 299-W18-15 | 05/19/93 | 239.5' | 28.0' | - | - | - |
| 299-W19-21 | 06/01/93 | 220.5' | - | - | - | - |
| 299-W19-22 | 06/17/93 | 131.0' | - | - | - | - |
| 299-W19-27 | 05/25/93 | 222.0' | - | - | - | - |
| 299-W19-32 | 06/23/93 | 220.0' | - | - | - | - |
| 299-W19-91 | 06/09/93 | 110.5' | 19.5' | - | - | - |
| 299-W19-92 | 06/07/93 | 117.0' | 27.0' | - | - | - |
| 299-W19-93 | 06/03/93 | 110.5' | 7.5' | - | - | - |

1 Date survey was completed
2 Maximum survey depth
3 Maximum depth where radionuclide was identified

**LONG-COUNT MEASUREMENTS:** Long-count stationary measurements of at least 300 seconds were recorded at the bottom of wells 299-W19-21, 299-W19-92, and 299-W19-93 to verify the data acquired from the 150-second acquisition time. Both the long and 150-second measurements were acquired at essentially the same depth interval. The extended acquisition time did not identify additional radionuclides in any of these wells.

**EQUIPMENT CALIBRATION:** The borehole surveys presented in this report have all been analyzed using the calibration data acquired in November 1991. Calculation of the calibration factors used in data reduction depended on the calibration data and on nuclear data (half-lives, branching ratios, number of gamma-rays per decay) for the particular nuclide. All of the nuclear data were taken from Erdtmann and Soyka, Die Gamma-Linien der Radionuklide (The Gamma Rays of the Radionuclides), Verlag Chemie GMBh Weinheim, Deutschland, 1979.

## Borehole Survey Report

The report for each borehole survey by the RLS (Attachment 2) contains three types of information. The contents of each information type are described below. The borehole survey reports are presented in the same order as they are listed in Table 1.

1. A single-page log header form is first. The form is titled "RLS Spectral Gamma-Ray Borehole Survey Log Header" and summarizes the borehole and survey information.

   The form contains the borehole name, coordinates, and elevation.

   Borehole environment information is next and includes casing specifications and depths and water depth (if present). These are the parameters used for data reduction.

   RLS survey information is then presented and includes the logging engineers names, date, file names, logging mode, and survey depths.

   The survey data-reduction information follows and includes calibration date and calibration report number, analyst names and analysis date. A single line is present for analysis notes and man-made radionuclides encountered.

2. Radionuclide activity responses versus depth, i.e., data plots, are plotted on one or more pages. A uniform depth scale of 20 feet/inch is used for all plots. Four plot tracks are presented for uniformity. The experimental uncertainties in the computed radionuclide activities are not presented on the data plots at this time.

The "Total Gamma" is the count rate for all gamma rays detected by the RLS detector with no discrimination of gamma-ray energy. The "Total Gamma" is equivalent to the gross gamma log commonly used by some organizations at Hanford. The count-rate data values are plotted on two linear scales. The scale of the narrow line is 0 to 1000 c/s. The scale of the wide line is 0 to 100,000 c/s.

The remaining plot tracks contain the results of the spectra gamma-ray analysis. The computed data values are generally plotted on two linear scales. The scale of the narrow line is given at the top of the plot and is 0 to 50 pCi/g. The scale of the wide line is given at the bottom of the plot and is 0 to 5000 pCi/g.

The natural radionuclide activities, if presented, will be plotted on a separate graph. The total gamma is plotted with a maximum linear scale of 500 cps. The natural radionuclides (potassium, uranium and thorium) are plotted in the three remaining tracks.

3. The analysis notes follow as the third type of information reported for each spectral gamma-ray survey. The notes contain descriptions of the borehole conditions and possible limitations of the plotted results. The depth ranges where each radionuclide was encountered and the maximum activities are reported.

## Limitations to the Radioelement Analyses

Several limitations of the borehole survey equipment, calibration, and data acquisition objectives follow.

The logging cable equipped on the RLS was specifically designed for the system. It suspends the detector in the well, conducts power to the detector, receives electrical signals from the detector, and provides the conduit for venting the liquid nitrogen component of the detector. Errors in the depth measuring system of the RLS are mainly related to cable stretch, cable and sheave wheel contact, and electronic encoding components. The recorded depth of the detector is estimated to be accurate to 98.5 percent, with a precision (repeatability) of 99 percent. Comparisons with drilling measurements, other logging equipment, and secondary measuring systems have verified the accuracy. An upgrade in the logging cable and measuring system is being investigated.

The standard logging configuration optimizes the counting system for detecting low decay activities of radioelements. The RLS has frequently detected man-made radioelement activities of 0.3 pCi/g for nuclides with gamma rays having energies greater than 500 keV and number of gammas per decay at greater than 50 percent. The maximum decay activity the RLS has detected is about 10,000 pCi/g in this standard configuration.

The alternate logging configuration employs a lead shield and changes the counting system to maximize the count rate. Configuring the counting system to maximize the count rate compromises its ability to detect radioelements at low decay activities (concentrations). The RLS has frequently detected man-made radioelement activities exceeding 33,000 pCi/g in this shielded configuration. The alternate logging configuration was not employed for the surveys included in this report because of the low count rates encountered.

Borehole-environment correction factors have been determined for steel casing and water in the borehole. Correction factors for other borehole configurations have not been investigated. Borehole configurations for which no correction is available include: (1) grout between multiple casing strings, (2) formation seals containing bentonite, sand, or grout behind the casing, and (3) drilling mud remaining inside the borehole during logging. The calculated decay activity for man-made radionuclides will be underestimated for boreholes with these configurations.

Energy-dependent casing corrections have been established for steel casing thicknesses up to 0.40 inches. Corrections for casings of different materials and/or cumulative thicknesses greater than 0.40 inches have not been calculated and therefore cannot be used in the data reduction.

The calibration data were recorded with the detector centered in calibration zones that are uniform in density, water content, and gamma-ray source material. The dimensions of each zone are large enough that the detector always responded as though surrounded by a medium of infinite extent. Therefore, the use of the calibration results to calculate nuclide activity carries the assumption that the nuclides in the logged formation are also distributed in thick uniform layers.

Gamma-ray sources are not normally distributed in the earth in thick uniform layers. Source inhomogeneities are reflected to some degree by the fluctuations in the amplitudes of the log traces. A factor called the vertical spacial resolution quantifies the correlation between (1) the intensity of the log fluctuation and the depth interval over which it extends, and (2) the intensity of the corresponding gamma-ray source and the thickness of the zone in which the source is embedded. The vertical spatial resolution of the RLS HPGe logging system is scheduled for investigation.

Radionuclide decay activities are determined from the net area of the gamma-ray peaks. Radioelements such as strontium-90, which do not emit a gamma-ray when they decay, will not be identified or quantified by the spectra analysis performed for this report. The decay of strontium-90 results in a high-energy beta particle that can excite surrounding elements to emit photon radiation that can be identified by the HPGe detector. This type of radiation is called bremsstrahlung radiation. A method to obtain estimates of the concentrations of strontium-90 is under consideration.

## Conclusion

No man-made radionuclides were identified with the RLS in the subsurface for wells 299-W19-21, 299-W19-22, 299-W19-27, and 299-W19-32. Cesium-137 was detected near the surface in wells 299-W18-15, 299-W19-91, 299-W19-92, and 299-W19-93. The distribution and activity of cesium in these wells is as follows:

| | |
|---|---|
| 299-W18-15 | 0'-12.0' maximum activity 4.5 pCi/g at 1.0'<br>24.0'-28.0' maximum activity 3.0 pCi/g at 26.0' |
| 299-W19-91 | 0'-19.5' maximum activity 1.2 pCi/g at 11.5' |
| 299-W19-92 | 0'-27.0' maximum activity 0.5 pCi/g at 4.5' |
| 299-W19-93 | 0'-2.5' maximum activity 0.4 pCi/g at 1.5'<br>7.5' trace activity |

The decay activity for natural radionuclides, KUT, have been computed by the data reduction program and are presented in this report.

## Cited Reports

Koizumi, C. J., J. R. Brodeur, W. H. Ulbricht, and R. K. Price, 1991, "Calibration of the RLS HPGe Spectral Gamma-Ray Logging System," WHC external publication WHC-EP-0464

Brodeur, J. R., C. J. Koizumi, W. H. Ulbricht, and R. K. Price, 1991, "Calibration of a High-Resolution Passive Gamma-Ray Logging System for Nuclear Waste Assessment," WHC Speech Article Report WHC-SA-1175-FP

Koizumi, C. J., R. K. Price, and R. D. Wilson, 1992, "Calibration of the RLS System for 200 Aggregate Area Management Study Screening Measurements," WHC supporting document WHC-SD-EN-TRP-001

Brodeur, J. R., C. J. Koizumi, R. K. Price, and R. D. Wilson, 1992, "Gamma-Ray Logging Results for the 200 Aggregate Area Management Study," WHC supporting document WHC-SD-EN-TI-021

Koizumi, C. J., R. K. Price, 1992, "Calibration of the Radionuclide Logging System Germanium Detector," WHC-SD-EN-TRP-004, Rev.0, Westinghouse Hanford Company, Richland, Washington

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | |
|---|---|---|---|
| Borehole | 299-W18-15 | | |
| Coordinates | 36990 N | 77152 W | Feet (Plant 200 W Area) |
| Elevation | 659.5 est. ft | | Top of casing (Plant 200 W Area) |

## Borehole Environment Information

Borehole liquid depth 194.5 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 8 | 0.323 | 0 | 248 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode | speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|---|
| May 13, 1993 | H2W1815\A369 | MSA | 150sec RT | 0 | 64 | 0.5 |
| May 17, 1993 | H2W1815\A370 | MSA | 150sec RT | 62 | 133 | 0.5 |
| May 18, 1993 | H2W1815\A371 | MSA | 150sec RT | 131.5 | 197 | 0.5 |
| May 19, 1993 | H2W1815\A372 | MSA | 150sec RT | 195.5 | 239.5 | 0.5 |

MSA: Move-Stop-Acquire RT: Real Time LT: Live Time
FIXED: Fixed cable speed velocity fpm: Feet per minute
Stations: Long count stationary measurements

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

Analyst Names: W. F. Nicaise
Analysis Date: Jul 6, 1993

Analysis Notes:
Radionuclides Identified: Cs-137

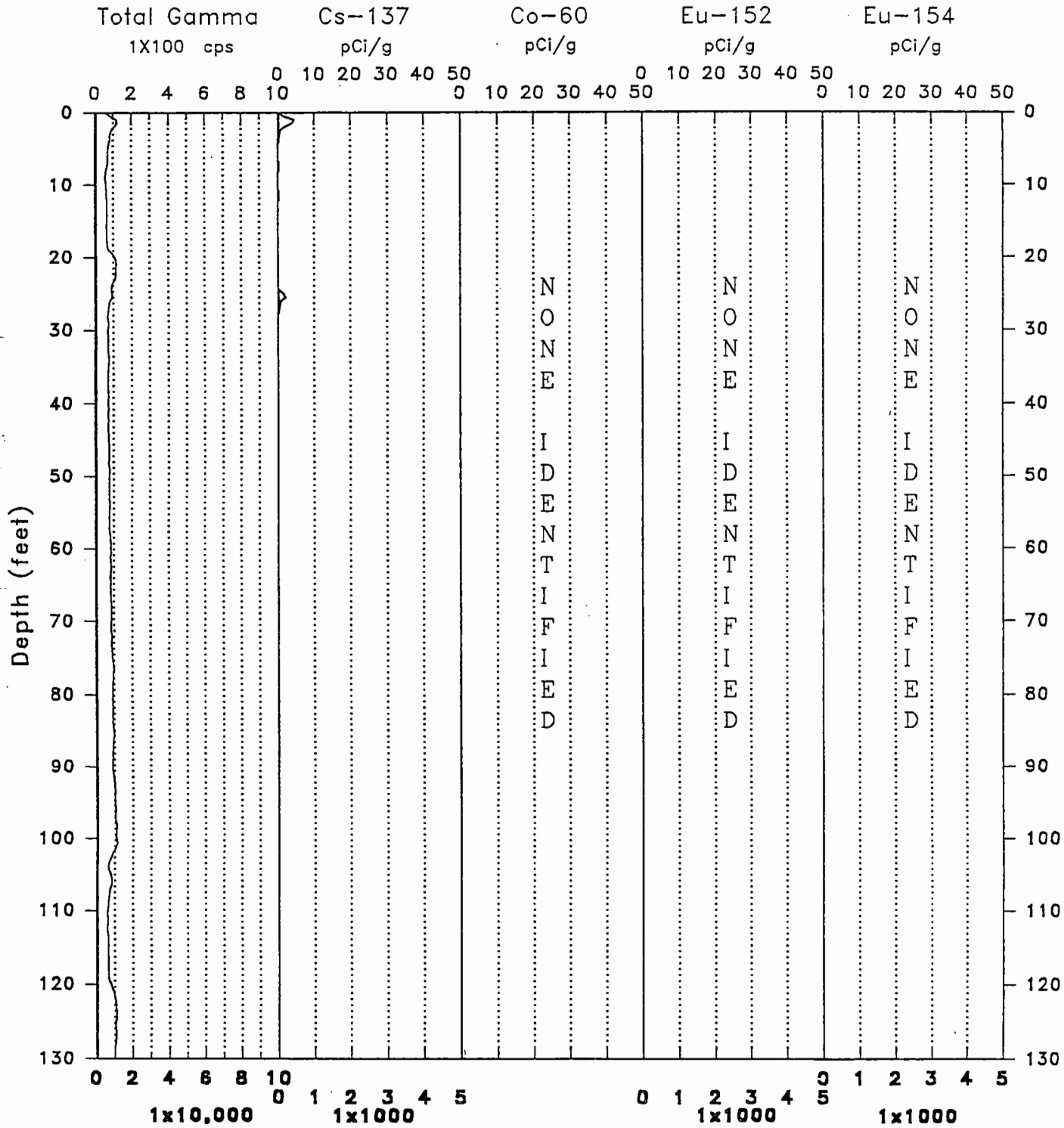
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W18-15

Log Date: May 19, 1993

Anal. Date: Jul 06, 1993



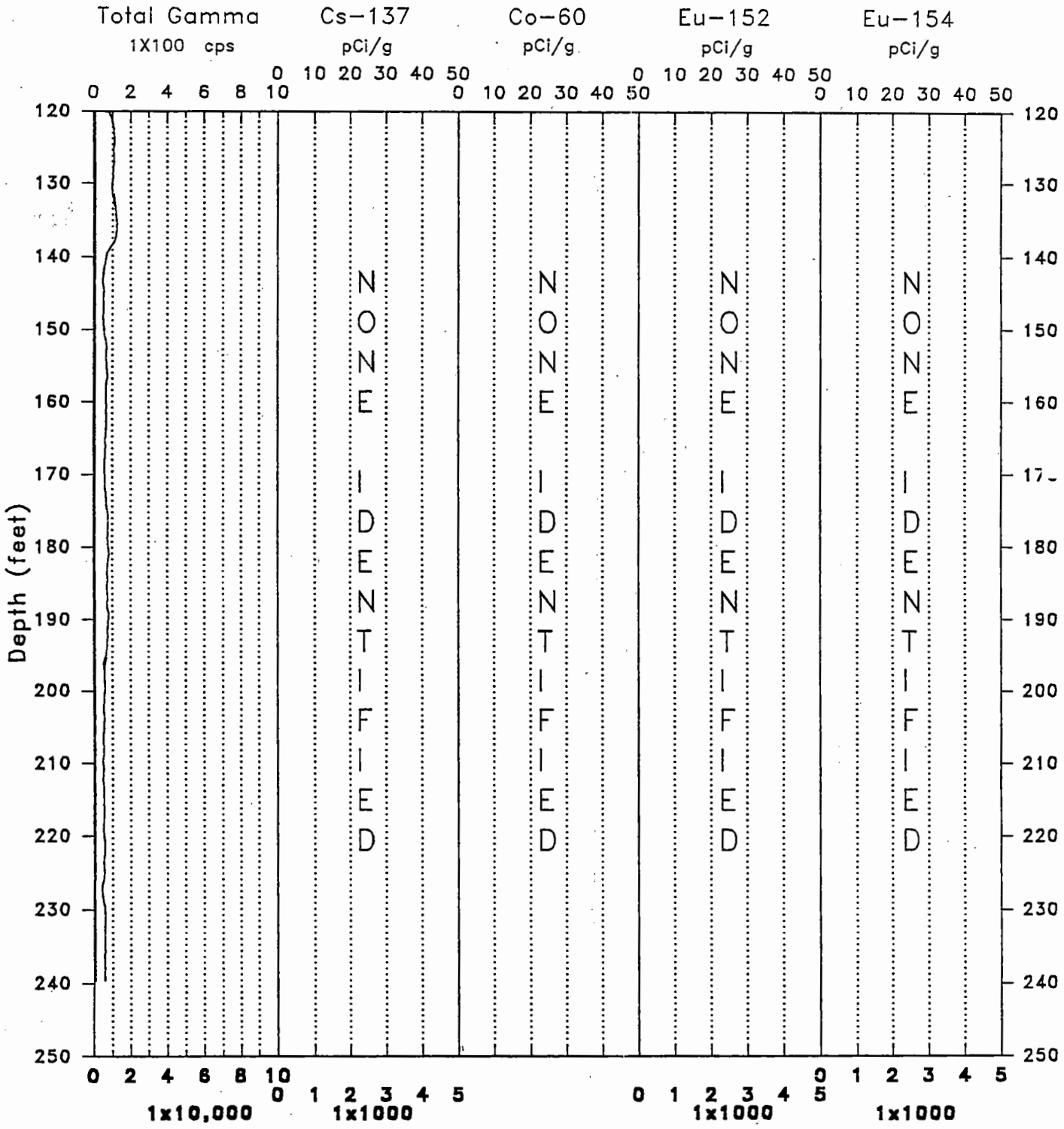
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W18-15

Log Date: May 19, 1993

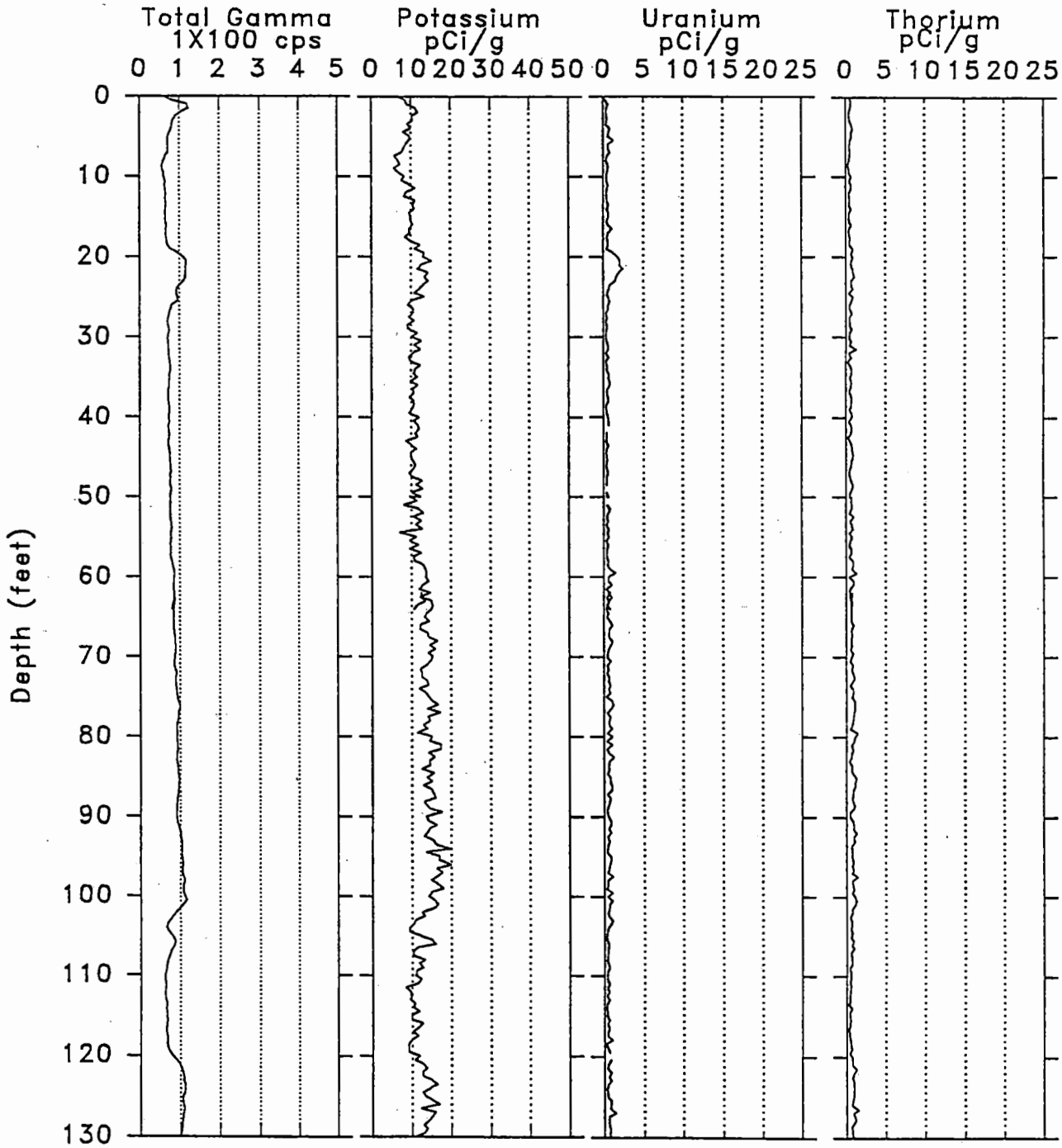
Anal. Date: Jul 06 , 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W18-15

Log Date : May 19, 1993
Anal Date: Jul 06, 1993

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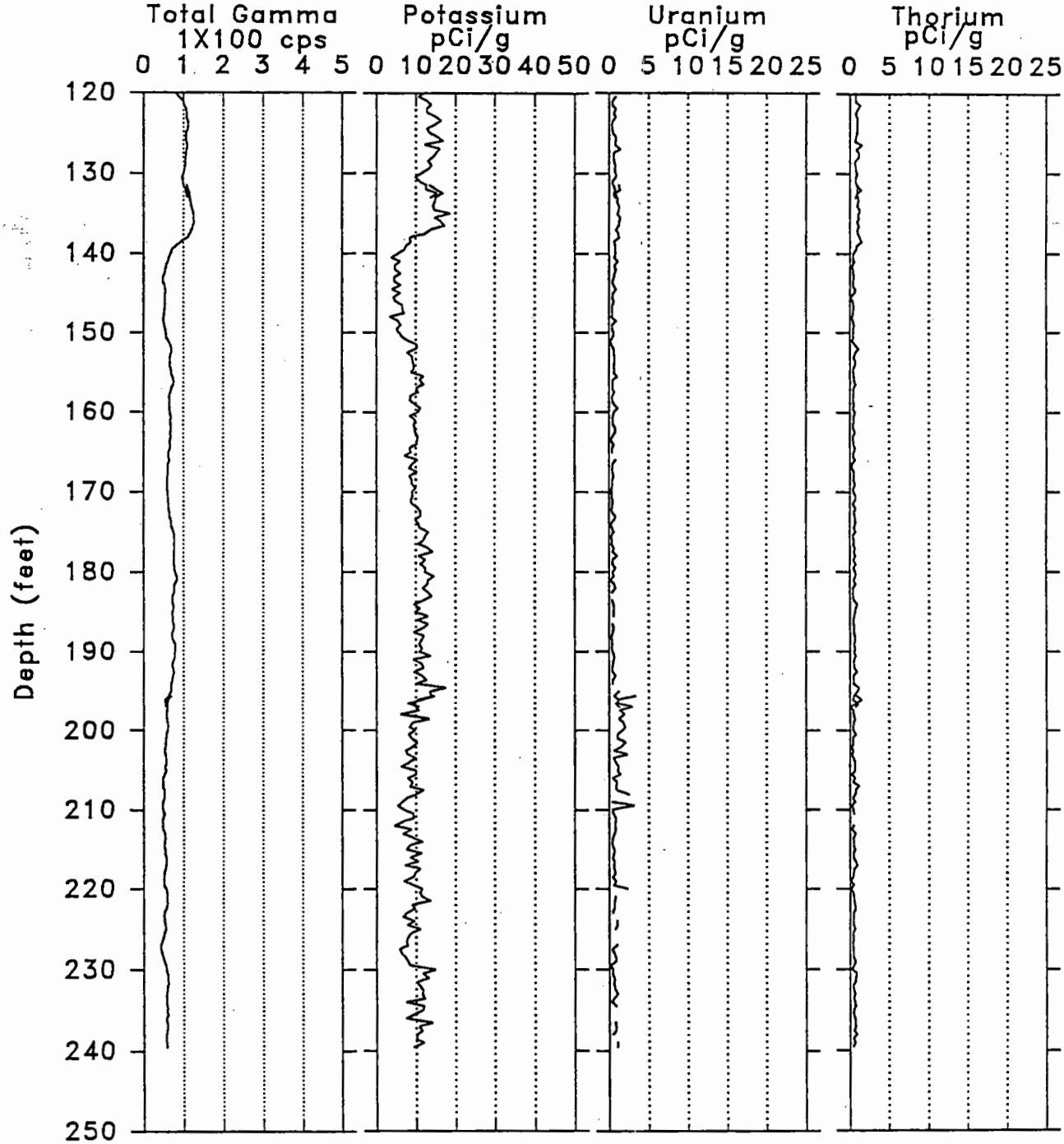
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W18-15

Log Date : May 19, 1993
Anal Date: Jul 06, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W18-15

| | | | | |
|---|---|---|---|---|
| **Casing** | Depth: 248' | Size: 8" | Thickness: 0.323" | |
| **Water** | Depth: 194.5' | | | |
| **Survey** | Depth: 0 - 64' | Mode: MSA 150 sec | Date: 5/13/93 | |
| | 62 - 133 | MSA 150 sec | 5/17/93 | |
| | 131.5- 197' | MSA 150 sec | 5/18/93 | |
| | 195.5- 239' | MSA 150 sec | 5/19/93 | |

**General Notes:**
The well was monitored from zero to 239 feet in increments of 0.5 feet for counting periods of 150 seconds. The well casing consisted of an eight inch carbon steel casing and water was encountered at a depth of 194.5 feet. The only man-made radionuclide identified in the well is cesium-137. There are two regions of low cesium activity, the first centered at one foot and the second centered at 25.5 feet. This is shown on the first set of plots.

The naturally occurring radionuclides potassium, uranium, and thorium were also observed throughout the monitored depths of the well as shown on the second set of plots. The natural radionuclide activities are typical for Hanford soils. There is a slight increase in the activities of both natural and man-made radionuclides in the range from 20 to 28 feet. This may be due to a discontinuity in the soil in this region from sand to gravel as is noted in the Hanford well construction and completion summary.

**Man-made Radionuclides:**
Cesium (Cs-137) was detected from 0 to 12 feet and from 24 to 28 feet. The maximum calculated activity of 4.5 pCi/g occurred at a depth of one foot.

No other man-made radionuclides were detected in the monitored portions of the well. The plot tracks for cobalt and europium are presented for uniformity of display only.

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# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-21 | | | |
| Coordinates | 37,462 N | 75,273 W | Feet | (Hanford System) |
| Elevation | 678.53 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth 211.2 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 6 | 0.284 | 0 | 201 |
| 6 | 0.284 | 191 | 201 |
| 6 | 0.200 | 201 | 226 |
| 8 | 0.322 | 0 | 157 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos

Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode | speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|---|
| May 26, 1993 | H2W1921\A377 | MSA | 150sec RT | 0 | 71 | 0.5 |
| May 27, 1993 | H2W1921\A378 | MSA | 150sec RT | 69 | 138 | 0.5 |
| May 28, 1993 | H2W1921\A379 | MSA | 150sec RT | 137 | 190 | 0.5 |
| Jun 01, 1993 | H2W1921\A380 | MSA | 150sec RT<br>300sec RT | 189<br>Station | 220<br>220.5 | 0.5 |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

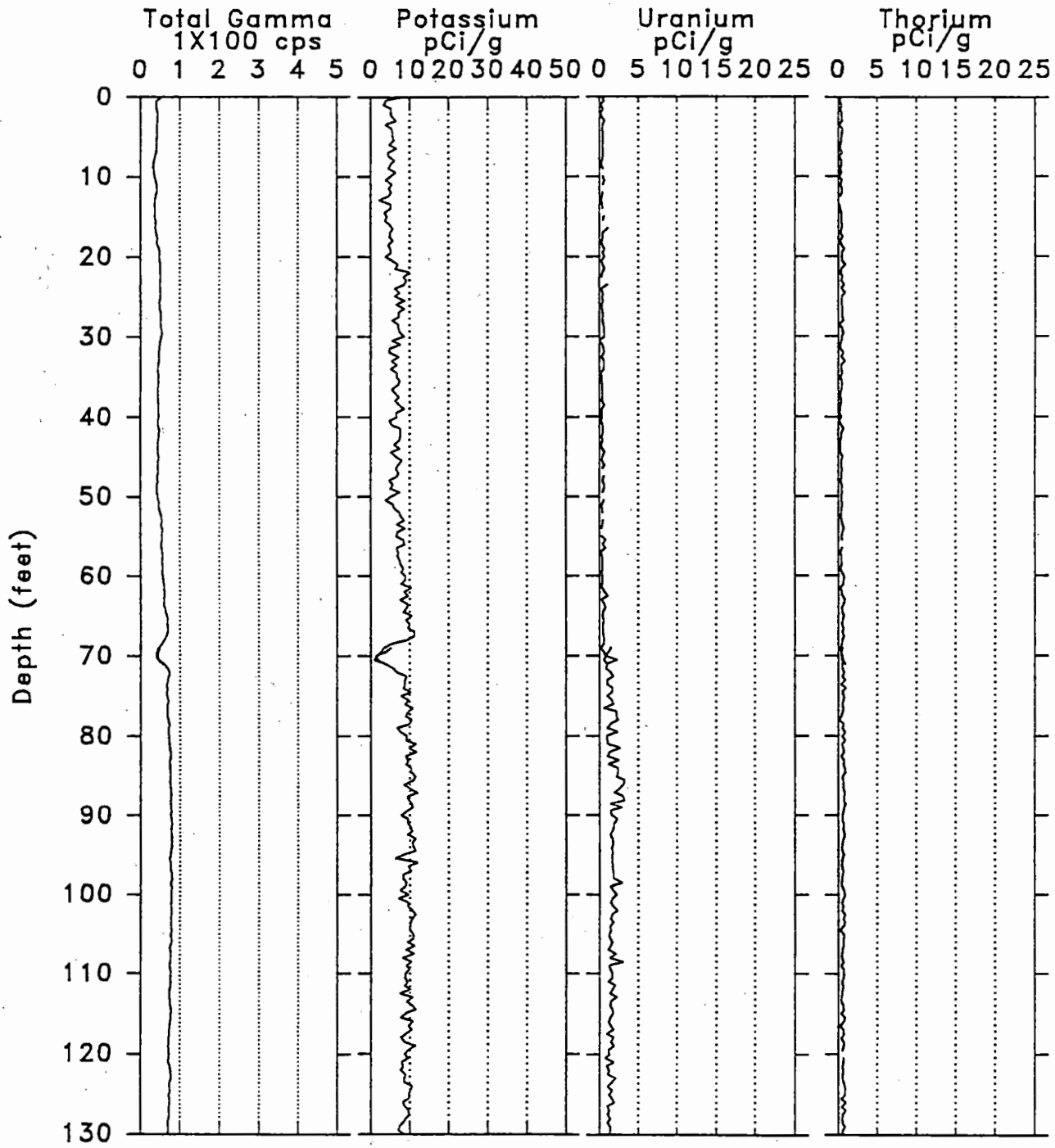
Analyst Names: W. F. Nicaise R. K. Price
Analysis Date: Jul 27, 1993

Analysis Notes: Casing exceeded maximum correction factor as noted.
Radionuclides Identified: No man-made radionuclides identified.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-21

Log Date : Jun 01, 1993
Anal Date: Jul 27, 1993

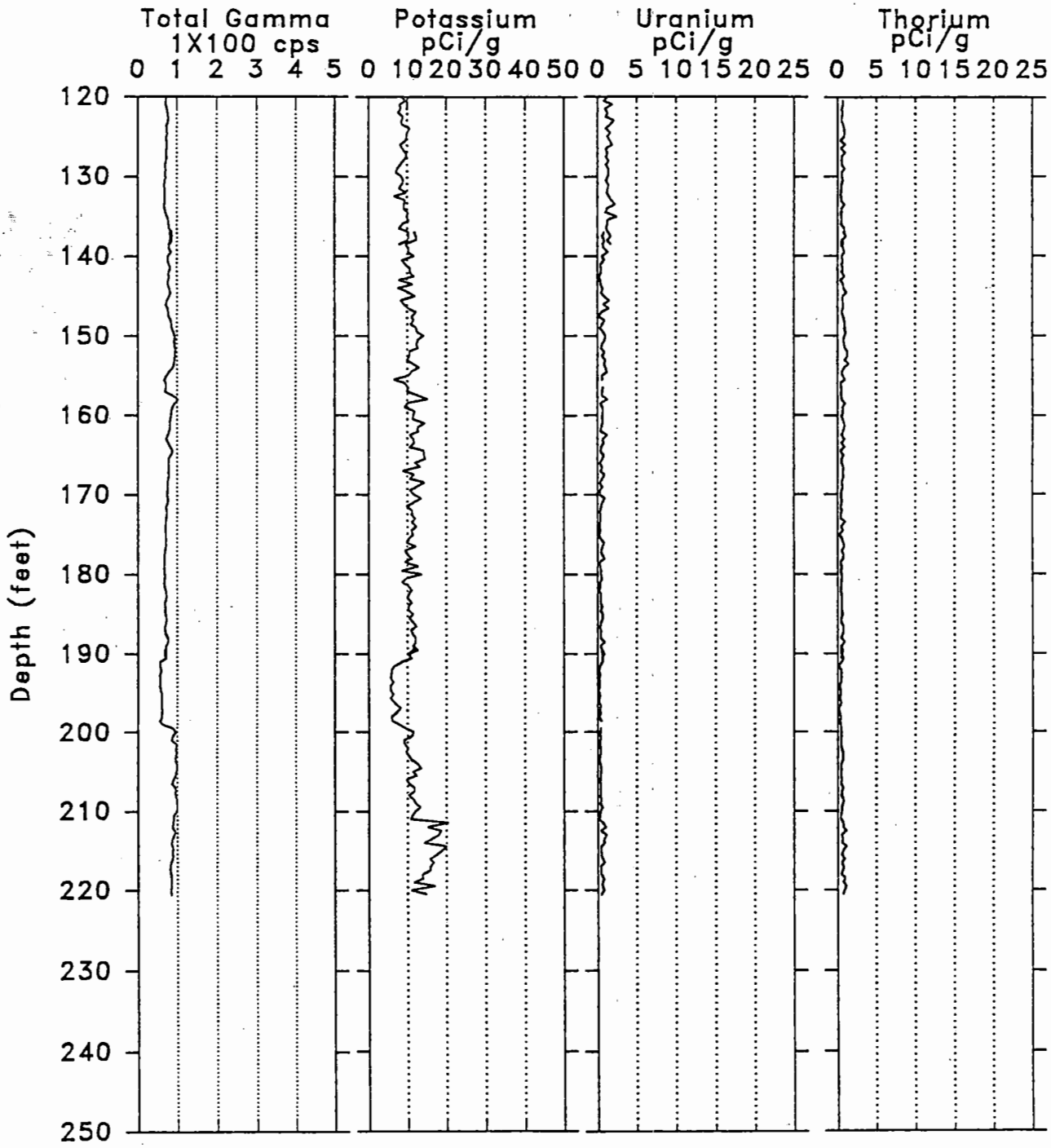



9413152.0814

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-21

Log Date : Jun 01, 1993
Anal Date: Jul 27, 1993

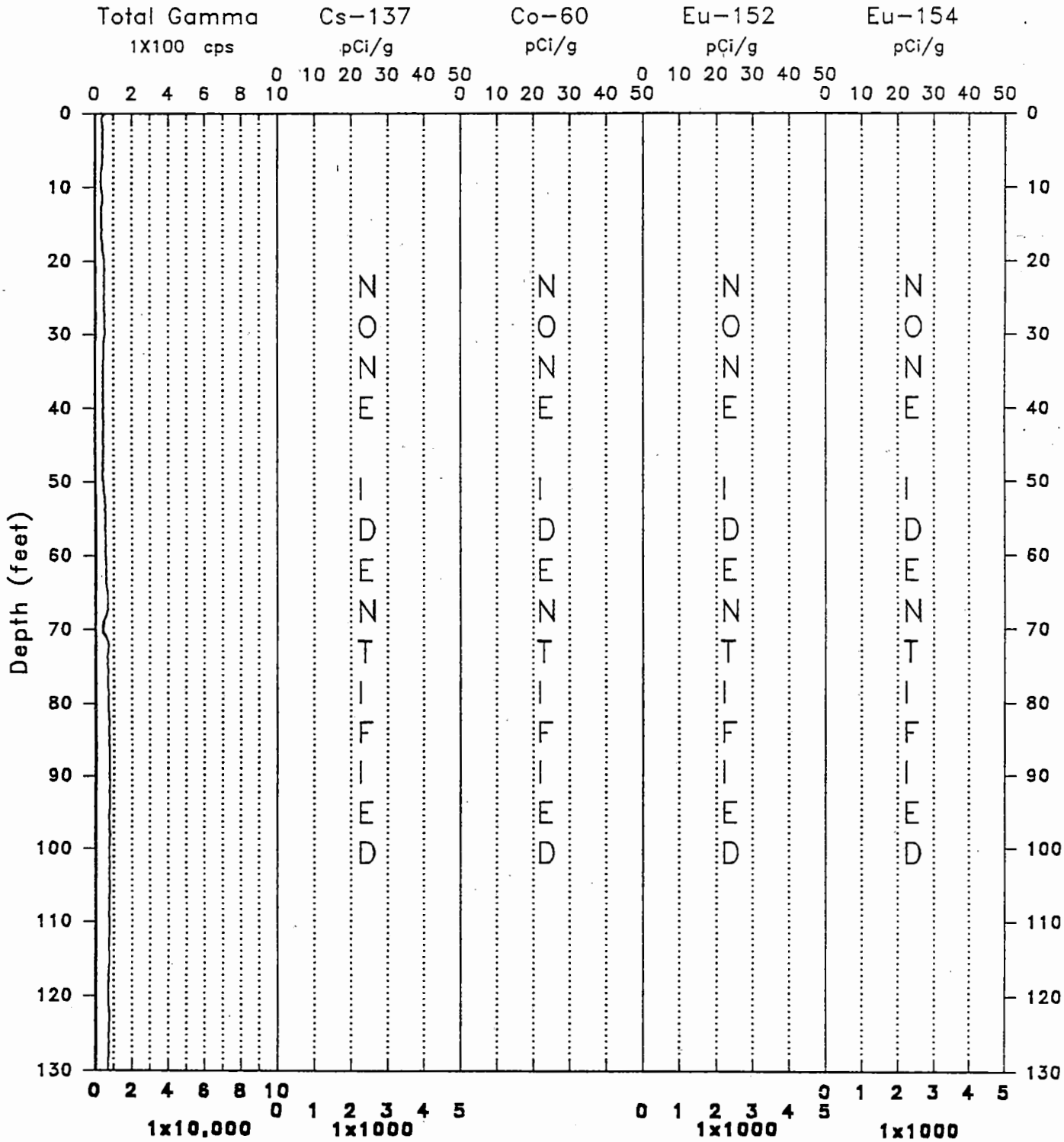



9413153.0815

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-21

Log Date: Jun 01, 1993
Anal. Date: Jul 27, 1993



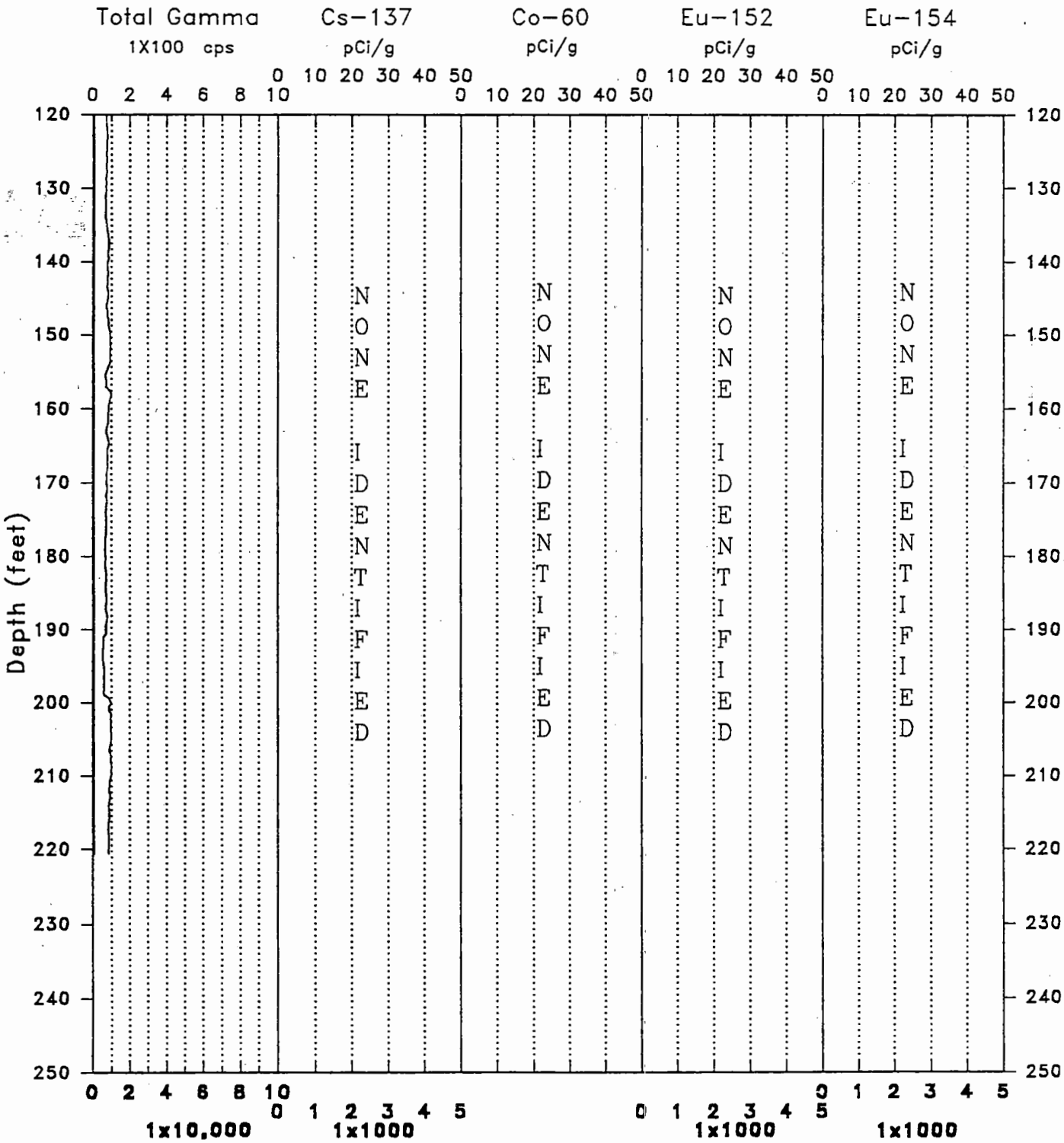
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W19-21

Log Date: Jun 01, 1993

Anal. Date: Jul 27, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-21

| | | | |
|---|---|---|---|
| **Casing** | Depth: 0'-201' | Size: 6" | Thickness: 0.284" |
| **Casing** | Depth: 191'-201' | Size: 6" | Thickness: 0.284" |
| **Casing** | Depth: 201'-226' | Size: 6" | Thickness: 0.200" |
| **Casing** | Depth: 0'-157' | Size: 8" | Thickness: 0.322" |
| **Water** | Depth: 211.2' | | |
| **Survey** | Depth: 0'- 220.5' | Date: 6/01/93 | |
| | Stations: 300 seconds at 220.5' | | |

**General Notes:**
The well was monitored from 0 to 220 feet, in increments of 0.5 feet for counting periods of 150 seconds. A stationary count was made at 220.5 feet for 300 seconds. An eight inch casing extends to 157 feet. It is perforated with 2 cuts/rd/ft from 20 to 80 feet. A six inch blank casing extends from 191 to 201 feet, followed by a telescoping screen from 201 to 226 feet. . A six inch telescoping screen extends from 201 to 226 feet. A Bentonite grout between the casings extends to 157 feet. A cement-Bentonite grout outside the eight inch casing extends to 80 feet.

The plot tracks for the naturally occurring radionuclides potassium, uranium, and thorium show activities which are typical for Hanford soils. In the region from 191 to 201 feet the two casing thicknesses exceed the maximum casing correction factor the calculated activities are underestimated.

The plot tracks for the man-made radionuclides show that none were detected within the limits of sensitivity of the detection system. The total gamma ray count rate therefor reflects the natural raionuclide activity.

**Man-made Radionuclides:**
No man-made radionuclides were observed in the spectral gamma-ray survey.

9413153.0818

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-22 | | | |
| Coordinates | 37,628 N | 74,796 W | Feet | (Hanford System) |
| Elevation | 686.14 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth none (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 5 | 0.250 | 0 | 130 |
| 5 | 0.200 | 130 | 135 |
| 8 | 0.322 | 0 | 100 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode | speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|---|
| Jun 16, 1993 | H2W1922\A387 | MSA | 150sec RT | 0 | 70 | 0.5 |
| Jun 17, 1993 | H2W1922\A388 | MSA | 150sec RT | 68.5 | 131 | 0.5 |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

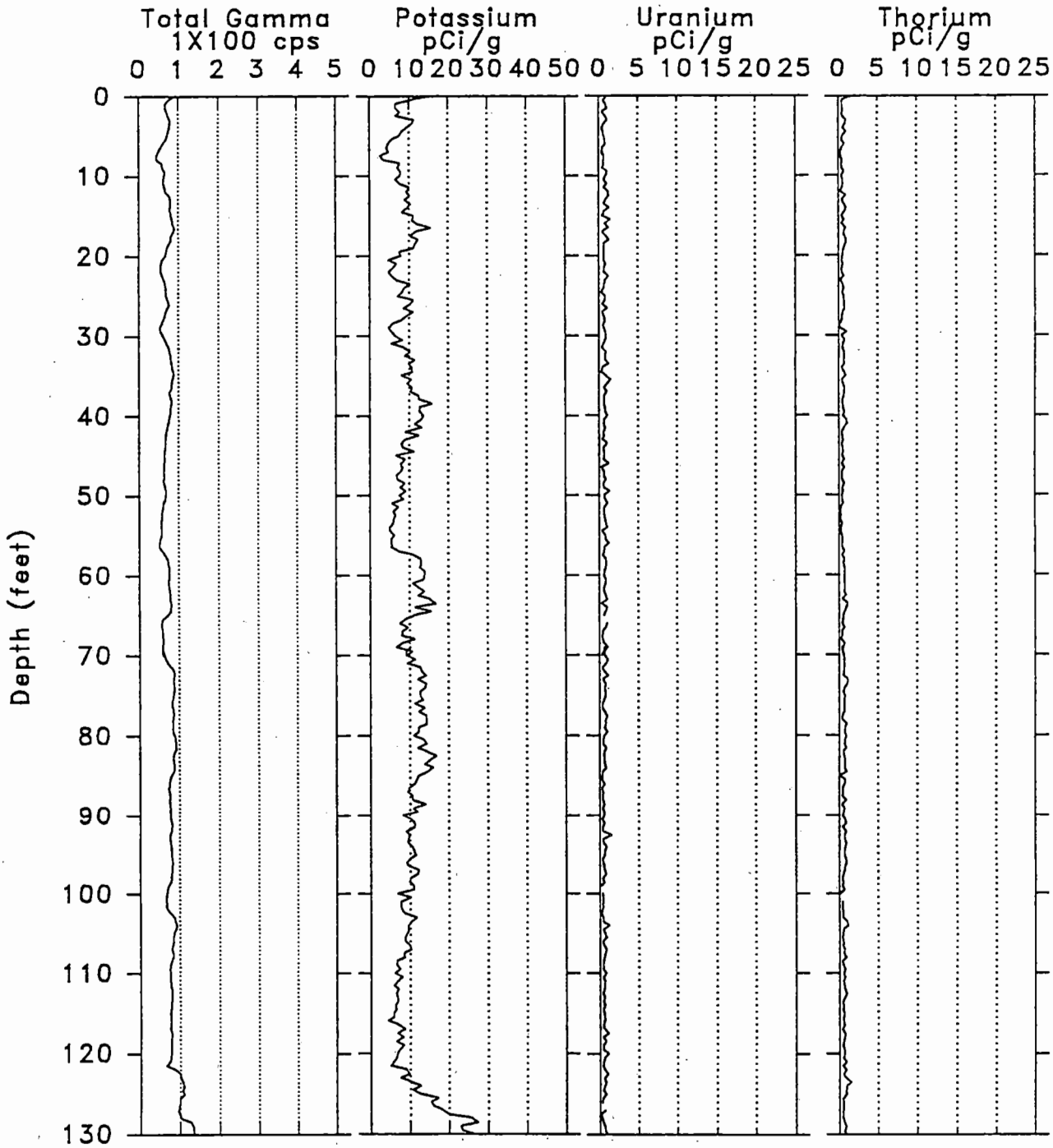
Analyst Names: W. F. Nicaise
Analysis Date: Aug 06, 1993

Analysis Notes: Casings exceeded maximum correction factor as noted.
Radionuclides Identified: No man-made radionuclides identified.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-22

Log Date : Jun 17, 1993
Anal Date: Aug 06, 1993

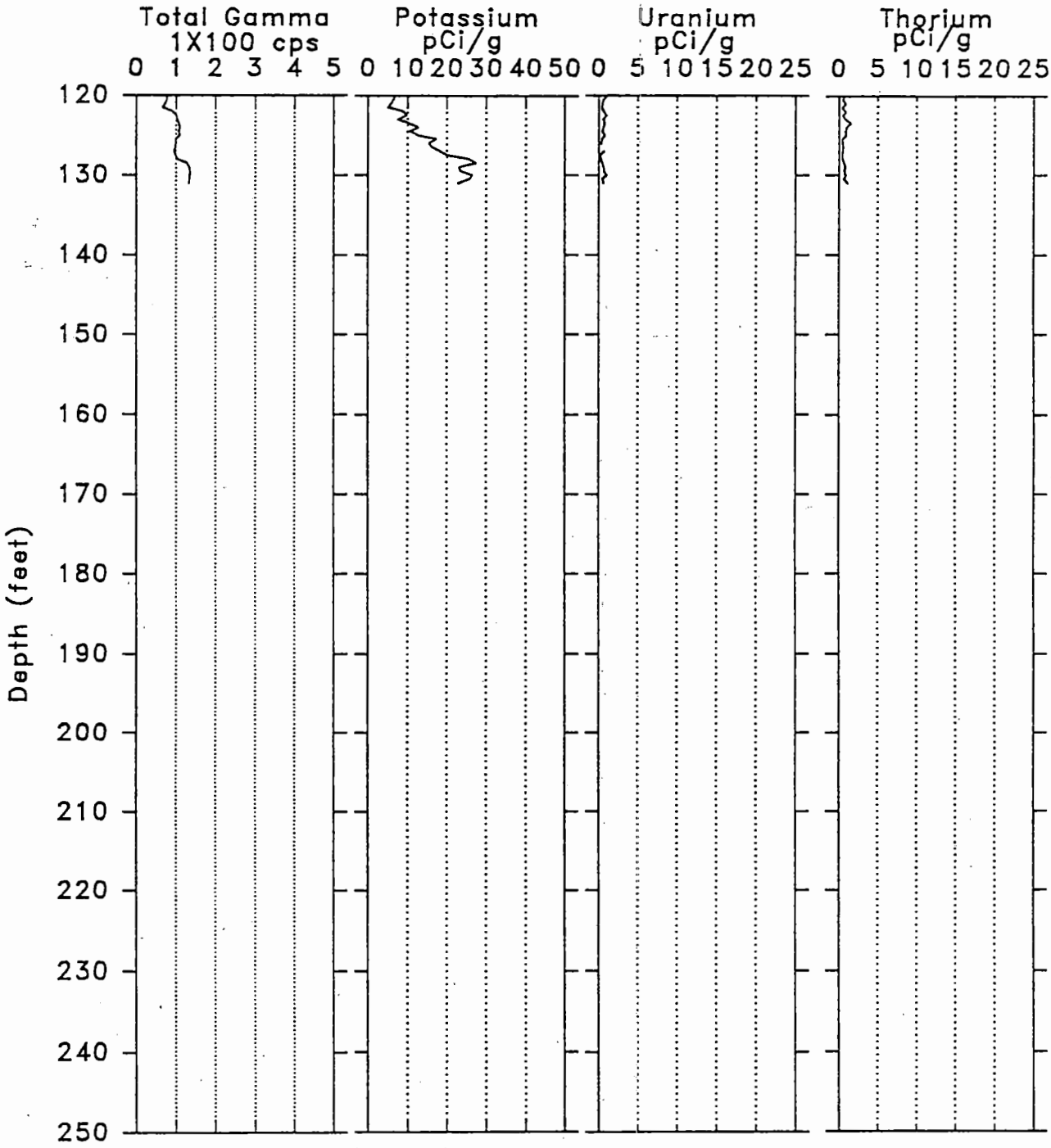



9413153.0820

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-22

Log Date : Jun 17, 1993
Anal Date: Aug 06, 1993

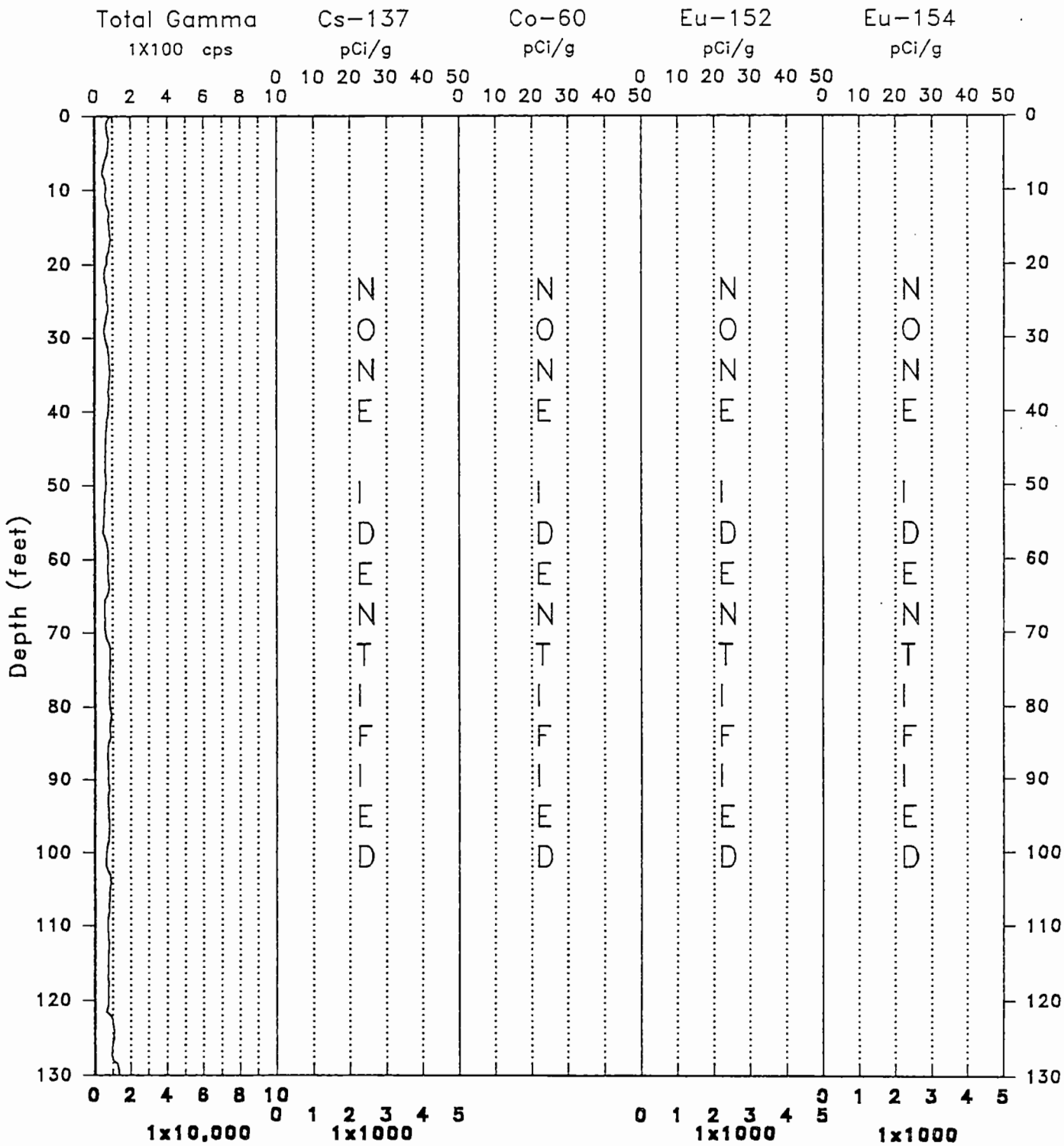



9413153.0821

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-22

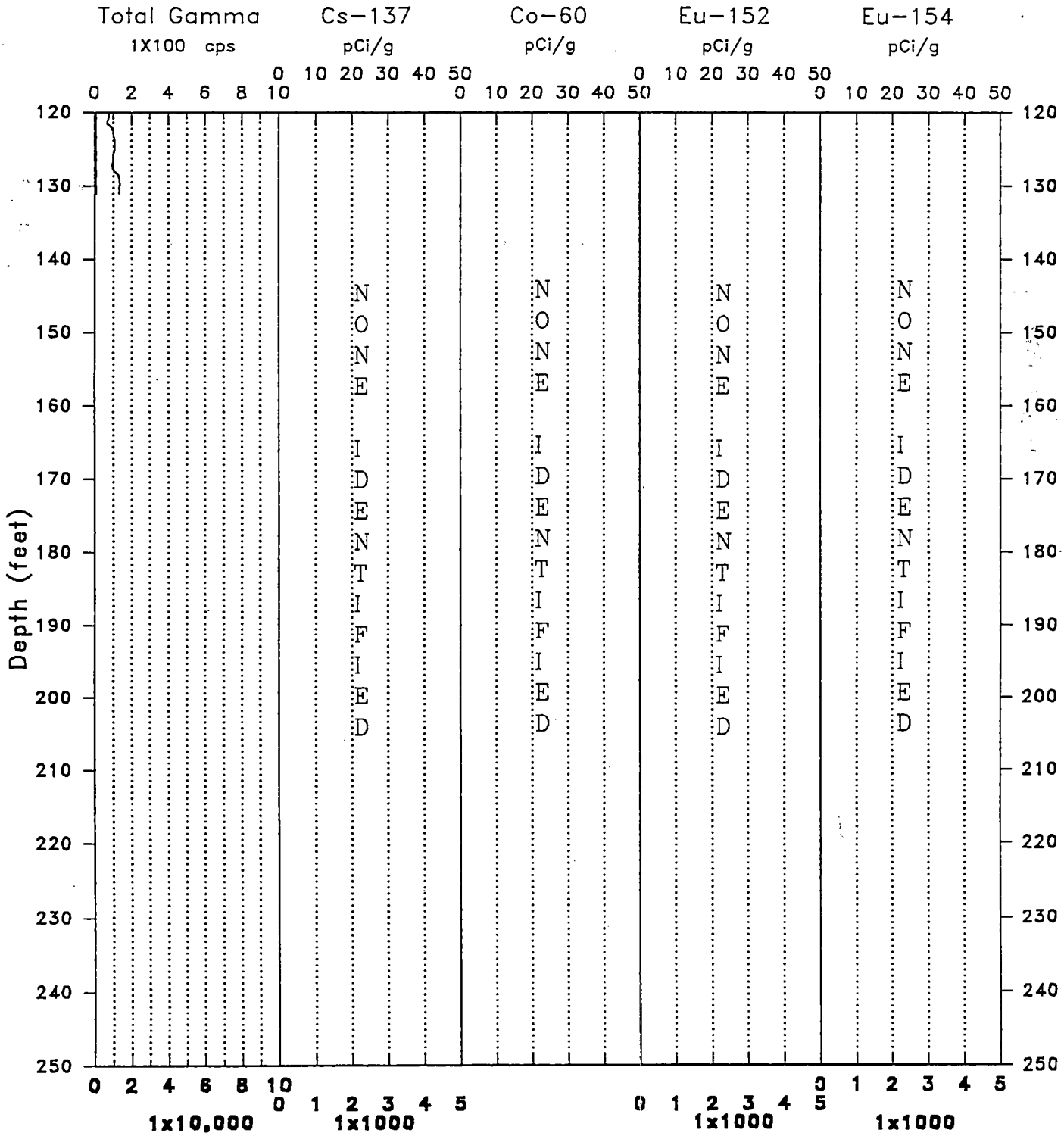
Log Date: Jun 17, 1993
Anal. Date: Aug 06, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-22

Log Date: Jun 17, 1993
Anal. Date: Aug 06, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-22

| | | | | | |
|---|---|---|---|---|---|
| **Casing** | Depth: | 0'-130' | Size: | 5" | Thickness: 0.250" |
| **Casing** | Depth: | 130'-135' | Size: | 5" | Thickness: 0.200" |
| **Casing** | Depth: | 0'-100' | Size: | 8" | Thickness: 0.322" |
| **Water** | Depth: | none | | | |
| **Survey** | Depth: | 0'- 130' | Date: | 6/17/93 | |

**General Notes:**
The well was monitored from 0 to 130 feet, in increments of 0.5 feet for counting periods of 150 seconds. An eight inch casing extends to 100 feet. A five inch casing extends from 0 to 130 feet, followed by a five inch stainless steel, #10 slot telescoping screen from 130 to 135 feet. Between the casings there is a cement grout to a depth of approximately 115 feet. Below that a Bentonite plug extends to approximately to 125 feet. Below this plug there is a silica sand filter pack to 135 feet. From there to the bottom of the well at 142 feet there is a cement plug.

The plot tracks for the naturally occurring radionuclides potassium, uranium, and thorium show activities which are typical for Hanford soils, for the first 128 feet of the well. Beginning at approximately 128 feet the calculated potassium activity rises to about 50 per cent higher than usual. This may be due to the presence of both the screen and to silica sand pack inside the well at the bottom. This could result in an overcorrection for the casing correction factor, resulting in a calculated activity which is biased high.

The plot tracks for the man-made radionuclides show that none were detected within the limits of sensitivity of the detection system. The total gamma ray count rate therefore reflects the natural raionuclide activity.

**Man-made Radionuclides:**
No man-made radionuclides were observed in the spectral gamma-ray survey.

9413153.0824

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch Characterization

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-27 | | | |
| Coordinates | 37629 N | 75072 W | Feet | (Plant 200 W Area) |
| Elevation | 680.55 ft | | Top of casing | (Plant 200 W Area) |

## Borehole Environment Information

Borehole liquid depth 215.7 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 10 | 0.25 | 0 | 3 |
| 5 | 0.258 | 0 | 208 |
| 5 | 0.0125 | 208.1 | 228 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram J. P. Kiesler
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|
| May 20, 1993 | H2W1927\A373 | MSA 150sec RT | 0 | 64 | 0.5 |
| May 21, 1993 | H2W1927\A374 | MSA 150sec RT | 63 | 116 | 0.5 |
| May 24, 1993 | H2W1927\A375 | MSA 150sec RT | 114 | 179 | 0.5 |
| May 25, 1993 | H2W1927\A376 | MSA 150sec RT | 177 | 222 | 0.5 |

FIXED: Fixed cable speed velocity fpm: Feet per minute
Stations: Long count stationary measurements

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

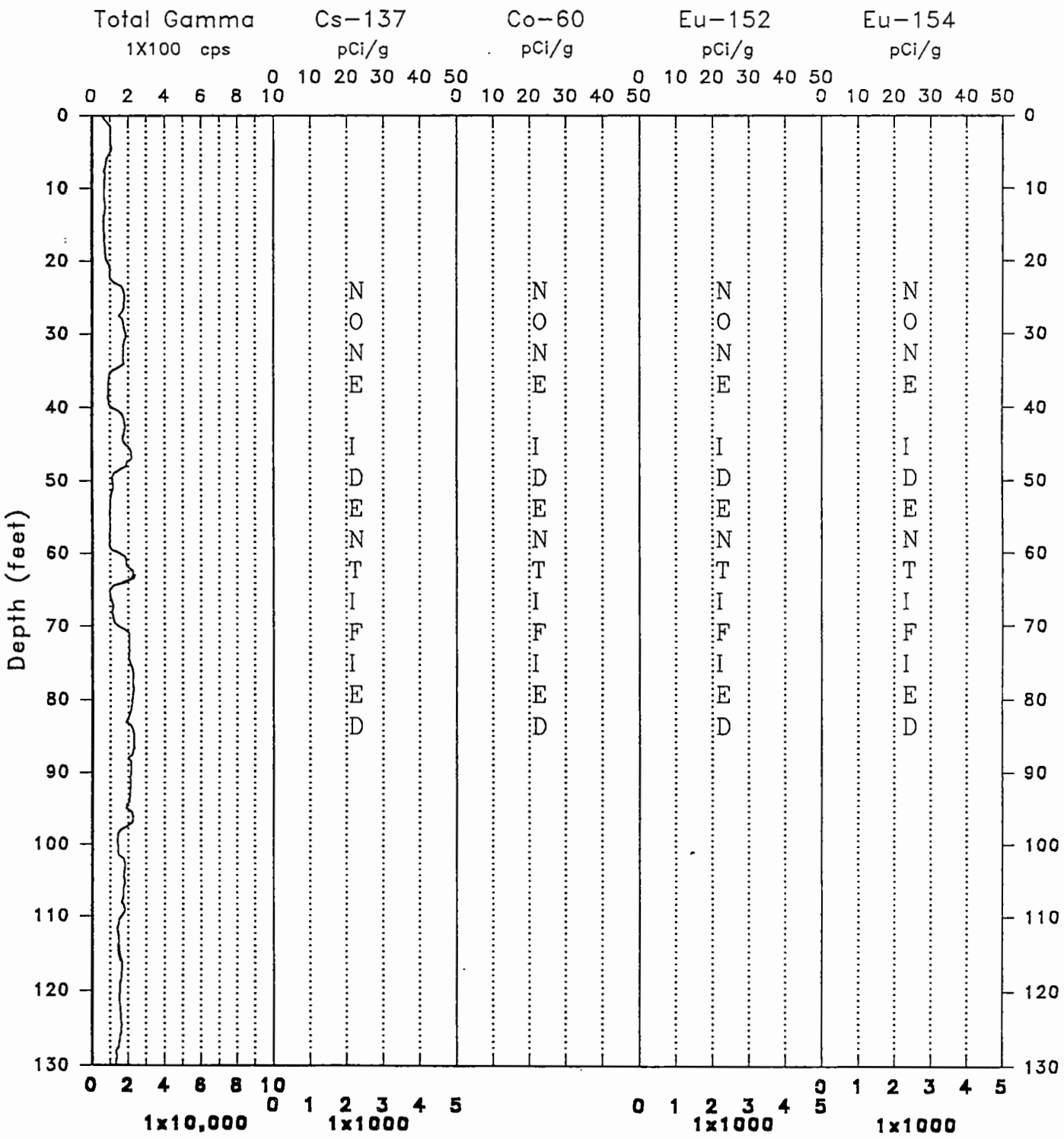
Analyst Names: W. F. Nicaise
Analysis Date: Jul 14, 1993

Analysis Notes:
Radionuclides Identified: No man-made radionuclides detected.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-27

Log Date: Jun 01, 1993
Anal. Date: Jul 14, 1993

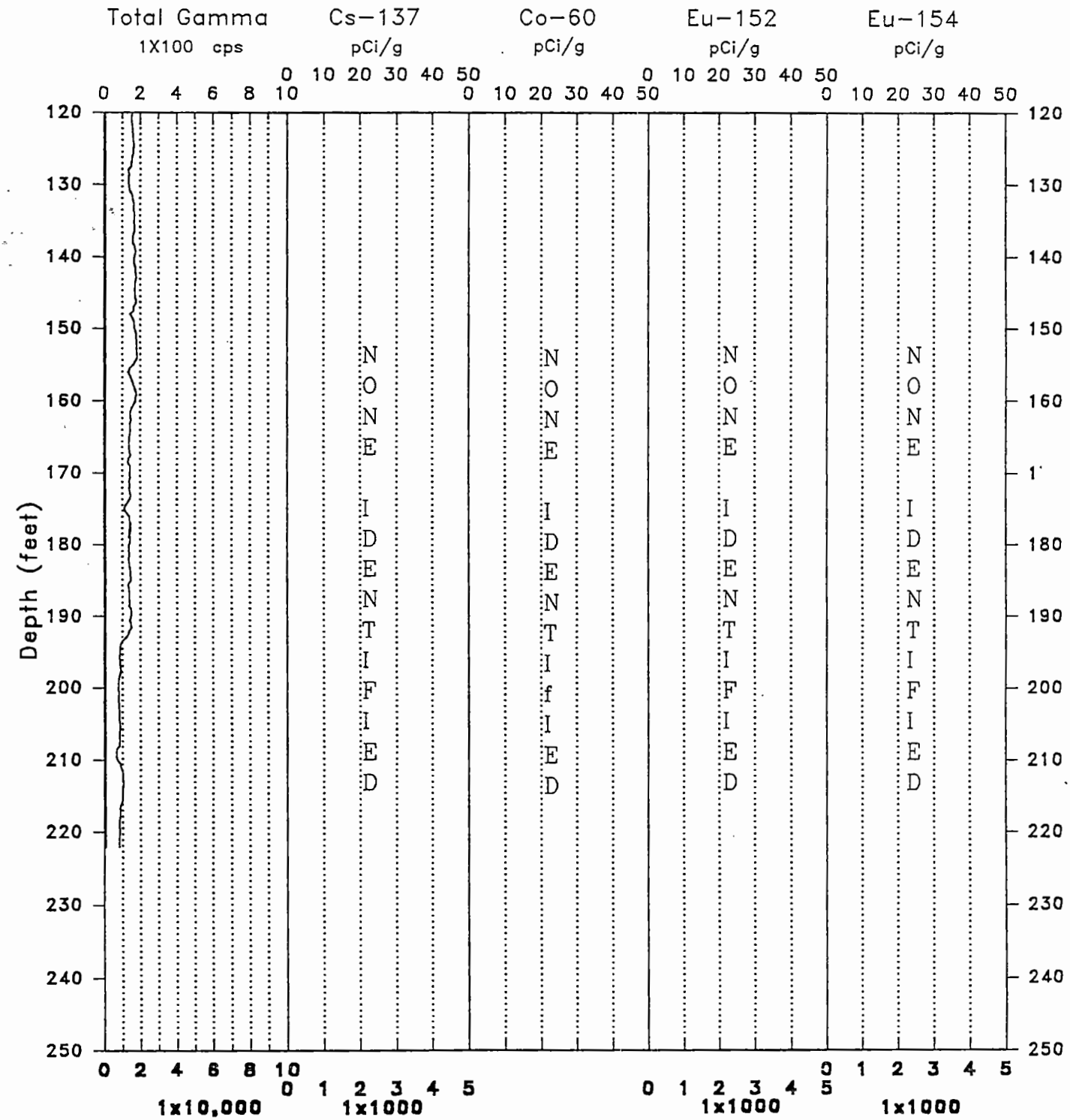



9413153.0026

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-27

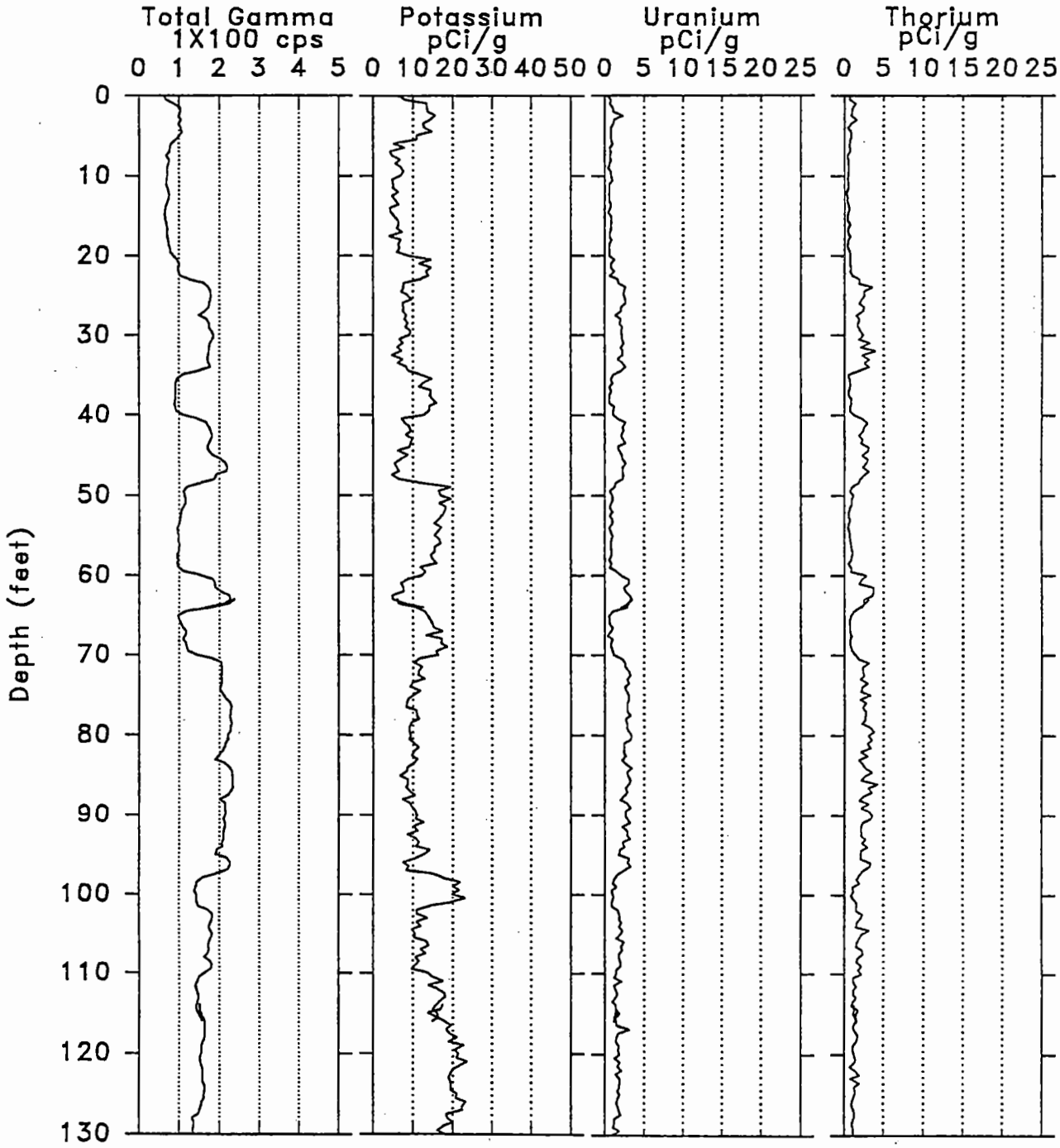
Log Date: Jun 01, 1993
Anal. Date: Jul 14, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-27

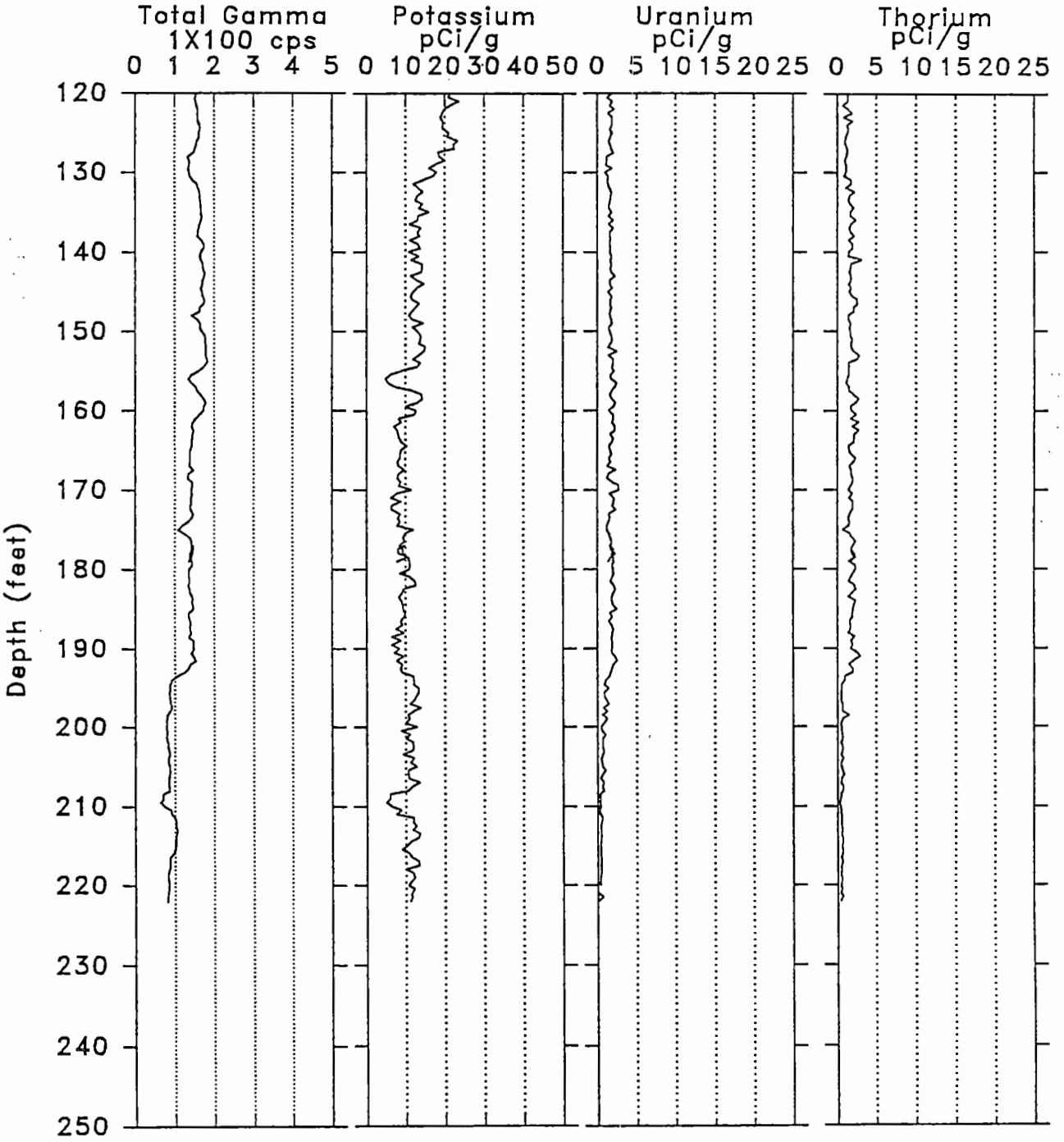
Log Date : Jun 01, 1993
Anal Date: Jul 14, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-27

Log Date : Jun 01, 1993
Anal Date: Jul 14, 1993




9413153.0829

## RLS Borehole Survey Report

**Borehole:** 299-W19-27

| | | | |
|---|---|---|---|
| **Casing** | Depth: 3' | Size: 10" | Thickness: 0.25" |
| **Casing** | Depth: 0'-208' | Size: 5" | Thickness: 0.258" |
| **Casing** | Depth: 208'-228' | Size: 5" | Thickness: 0.0125" |
| **Water** | Depth: 215.7' | | |
| **Survey** | Depth: 0'- 222' | Date: 5/25/93 | |

**General Notes:**
The well was monitored from 0 to 222 feet, in increments of 0.5 feet for real counting periods of 150 seconds. A ten inch protective casing extends 3 feet down in the well. The five inch stainless steel casing extends downward to 208 feet. Below that there is a five inch diameter, #20 slot stainless steel screen to a depth of 228 feet. The combined casing thicknesses exceed the maximum casing correction factor for the first 3 feet resulting in calculated activities which are slightly lower than the actual activities.

The plot tracks for the naturally occurring radionuclides show the depth profile for the total gamma ray count rate and the radionuclides potassium, uranium, and thorium. The total gamma ray count rate profile is determined by the features of the profiles for the naturally occurring radionuclides. The well casing is surrounded by a bentonite filler. The slightly higher than normal natural activity profiles for uranium and thorium, and less than normal potassium, are consistent with the radionuclide content of the bentonite.

**Man-made Radionuclides:**
No man-made radionuclides were observed in the spectral gamma-ray survey.

9413153.0830

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-32 | | | |
| Coordinates | 37,887 N | 75,459 W | Feet | (Hanford System) |
| Elevation | 671.92 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth 206.5 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 4 | 0.125 | 0 | 201.7 |
| 4 | 0.01 | 201.7 | 222.4 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos J. P. Kiesler
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode | speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|---|
| Jun 18, 1993 | H2W1932\A389 | MSA | 150sec RT | 0 | 50 | 0.5 |
| Jun 21, 1993 | H2W1932\A390 | MSA | 150sec RT | 48.5 | 116 | 0.5 |
| Jun 22, 1993 | H2W1932\A391 | MSA | 150sec RT | 114.5 | 183.5 | 0.5 |
| Jun 23, 1993 | H2W1932\A392 | MSA | 150sec RT | 182 | 220 | 0.5 |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

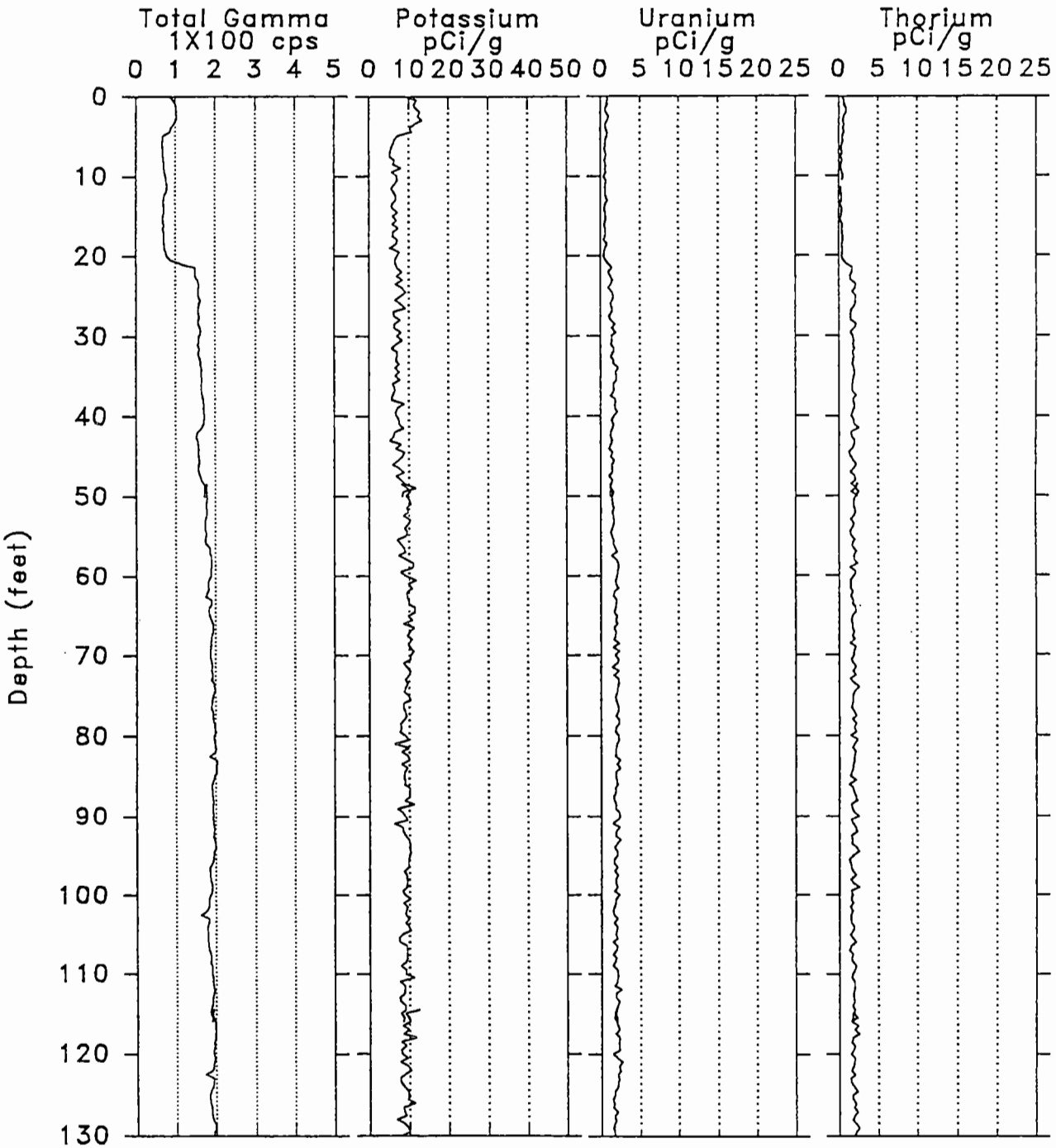
Analyst Names: W. F. Nicaise
Analysis Date: May 18, 1993

Analysis Notes:
Radionuclides Identified: No man-made radionuclides identified.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-32

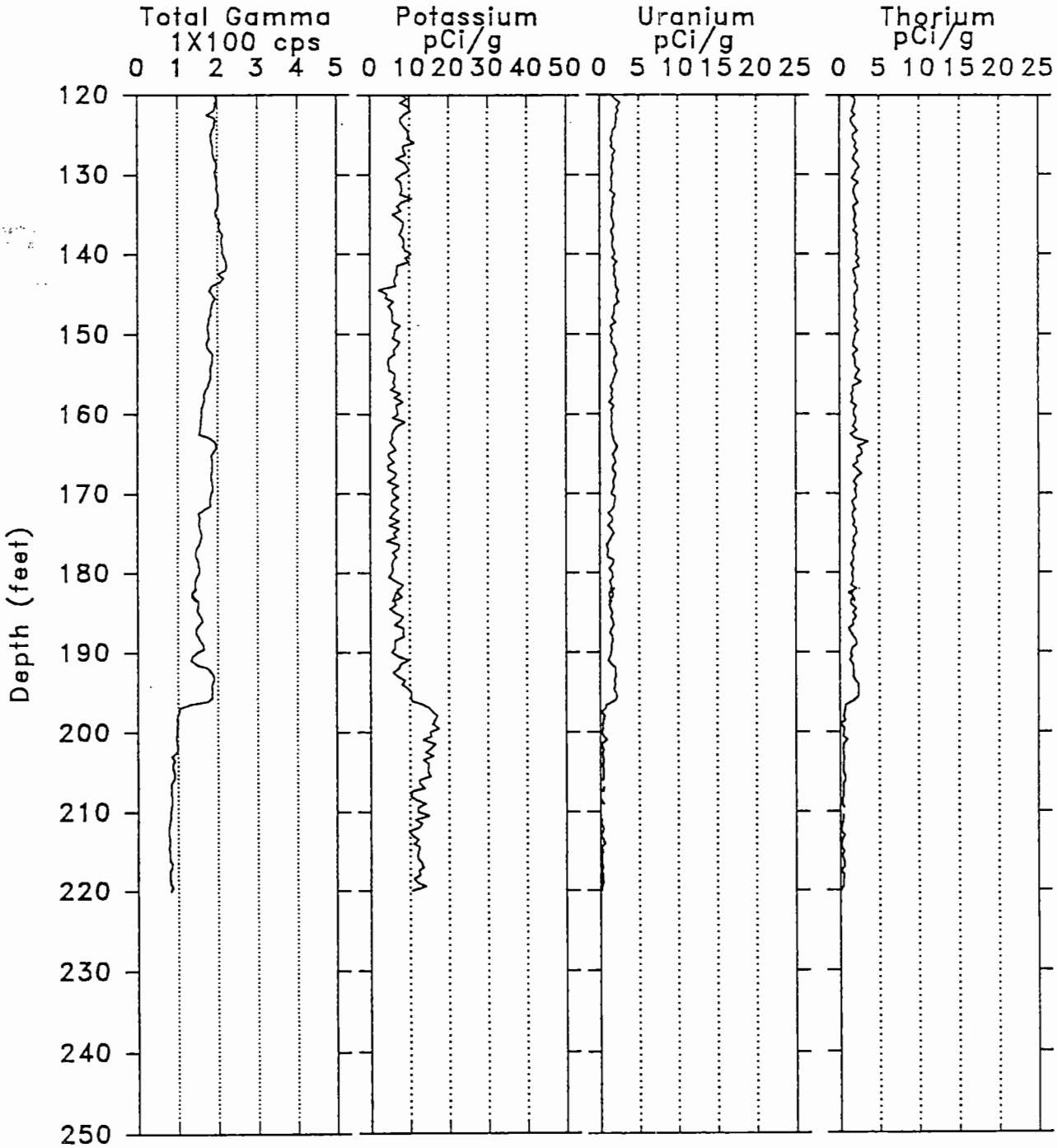
Log Date : Jun 23, 1993
Anal Date: Aug 02, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-32

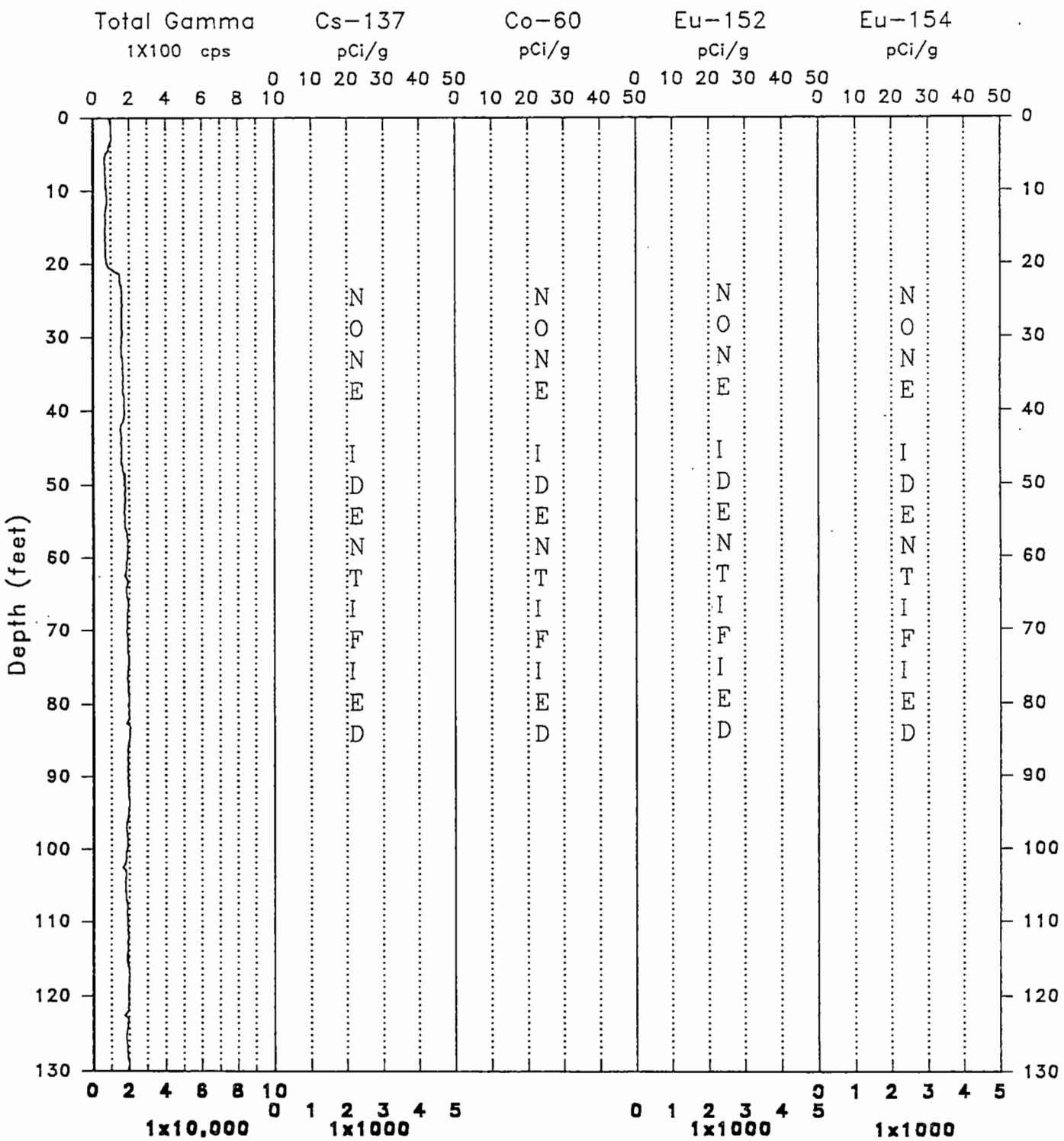
Log Date : Jun 23, 1993
Anal Date: Aug 02, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-32

Log Date: Jun 23, 1993
Anal. Date: Aug 02, 1993



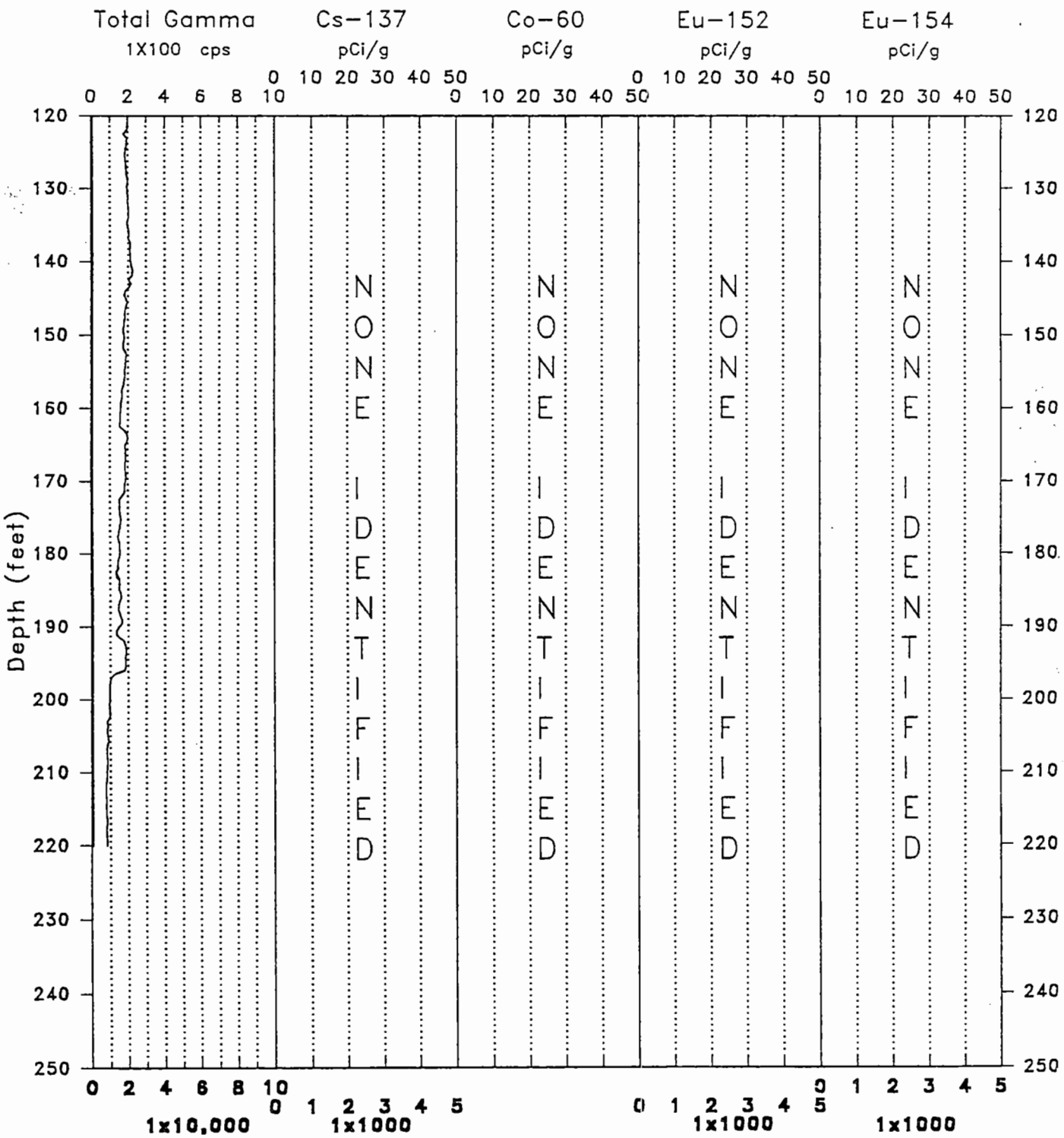
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W19-32

Log Date: Jun 23, 1993

Anal. Date: Aug 02, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-32

| | | | |
|---|---|---|---|
| **Casing** | Depth: 0'-201.7' | Size: 4" | Thickness: 0.125" |
| **Casing** | Depth: 201.7'-222.4' | Size: 4" | Thickness: 0.01" |
| **Water** | Depth: 206.5' | | |
| **Survey** | Depth: 0'- 220' | Date: 6/23/93 | |
| | Stations: | | |

**General Notes:**
The well was monitored from 0 to 220 feet, in increments of 0.5 feet for real counting periods of 150 seconds. A pre-mix concrete pad extends to 3.1 feet, and a cement grout extends from 3.1 to 20.3 feet below the ground level. From 20.3 to 195.4 feet there is a Bentonite seal. From 195.4 to 223.1 is a sand fill. A four inch stainless steel casing 0.125 inch in thickness extends to 201.7 feet. From there to the well bottom at 222.4 there is a #10-slot stainless steel screen.

There were no man-made radionuclides identified in this well, within the limits of sensitivity of the detection system. The plot tracks for man-made radionuclides are shown for uniformity of presentation only.

The plot tracks for the man-made radionuclides potassium, uranium, and thorium show calculated activities which are typical of Hanford soils. What little variation in these activities with depth are consistent with the known properties of the Bentonite seal materials used in the well.

**Man-made Radionuclides:**
No man-made radionuclides were observed in the spectral gamma-ray survey.

9413153.0836

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-91 | | | |
| Coordinates | 37,617 N | 75,269 W | Feet | (Hanford System) |
| Elevation | 675.42 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth 110.6 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 8 | 0.331 | 0 | 105 |
| 6 | 0.280 | 99 | 109 |
| 8 | 0.200 | 109 | 119 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|
| Jun 08, 1993 | H2W1991\A385 | MSA 150sec RT | 0 | 70 | 0.5 |
| Jun 09, 1993 | H2W1991\A386 | MSA 150sec RT | 68.5 | 110.5 | 0.5 |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

Analyst Names: W. F. Nicaise
Analysis Date: Aug 08, 1993

Analysis Notes:
Radionuclides Identified: Cs-137 only, near surface.

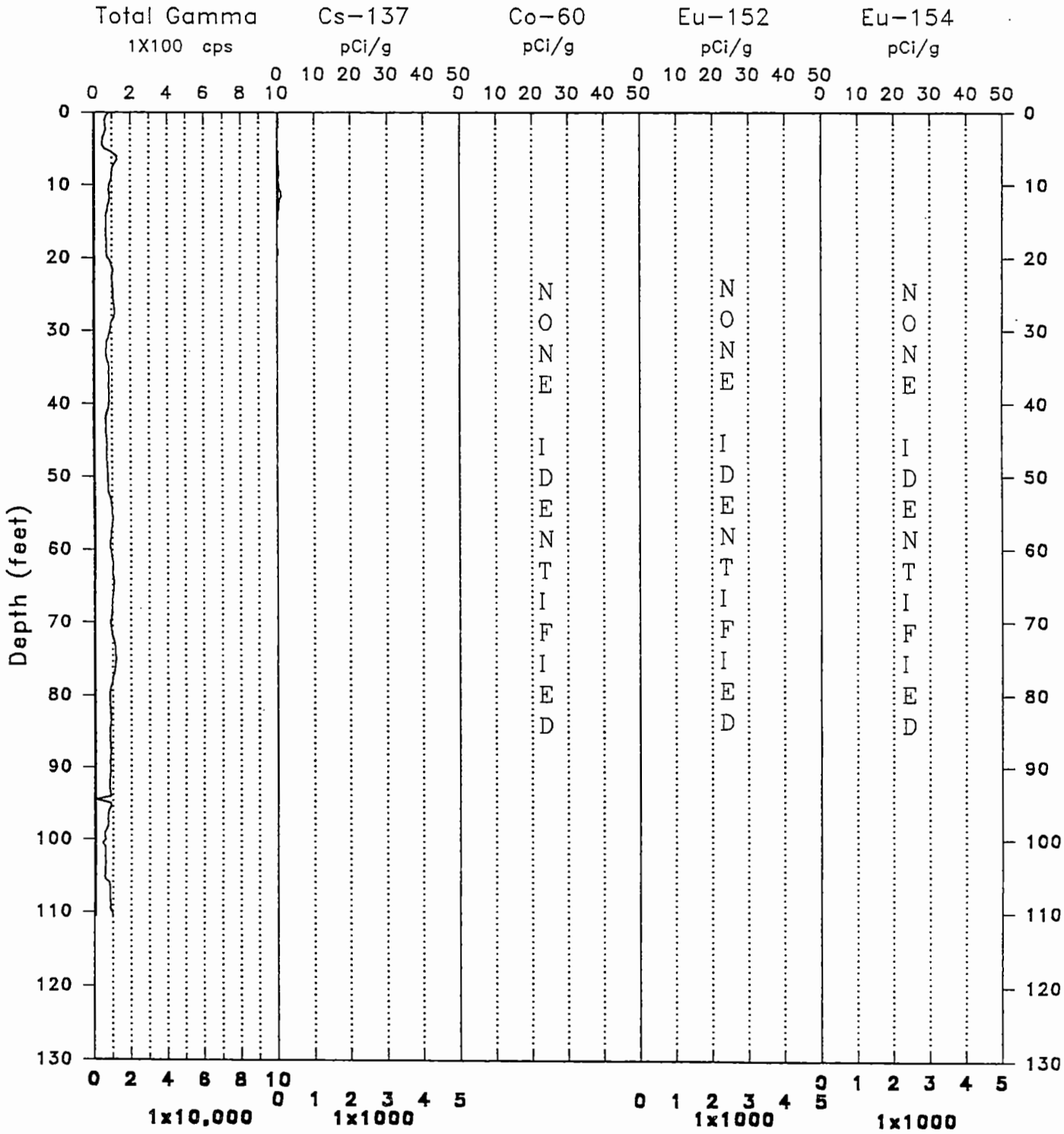
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W19-91

Log Date: Jun 09, 1993

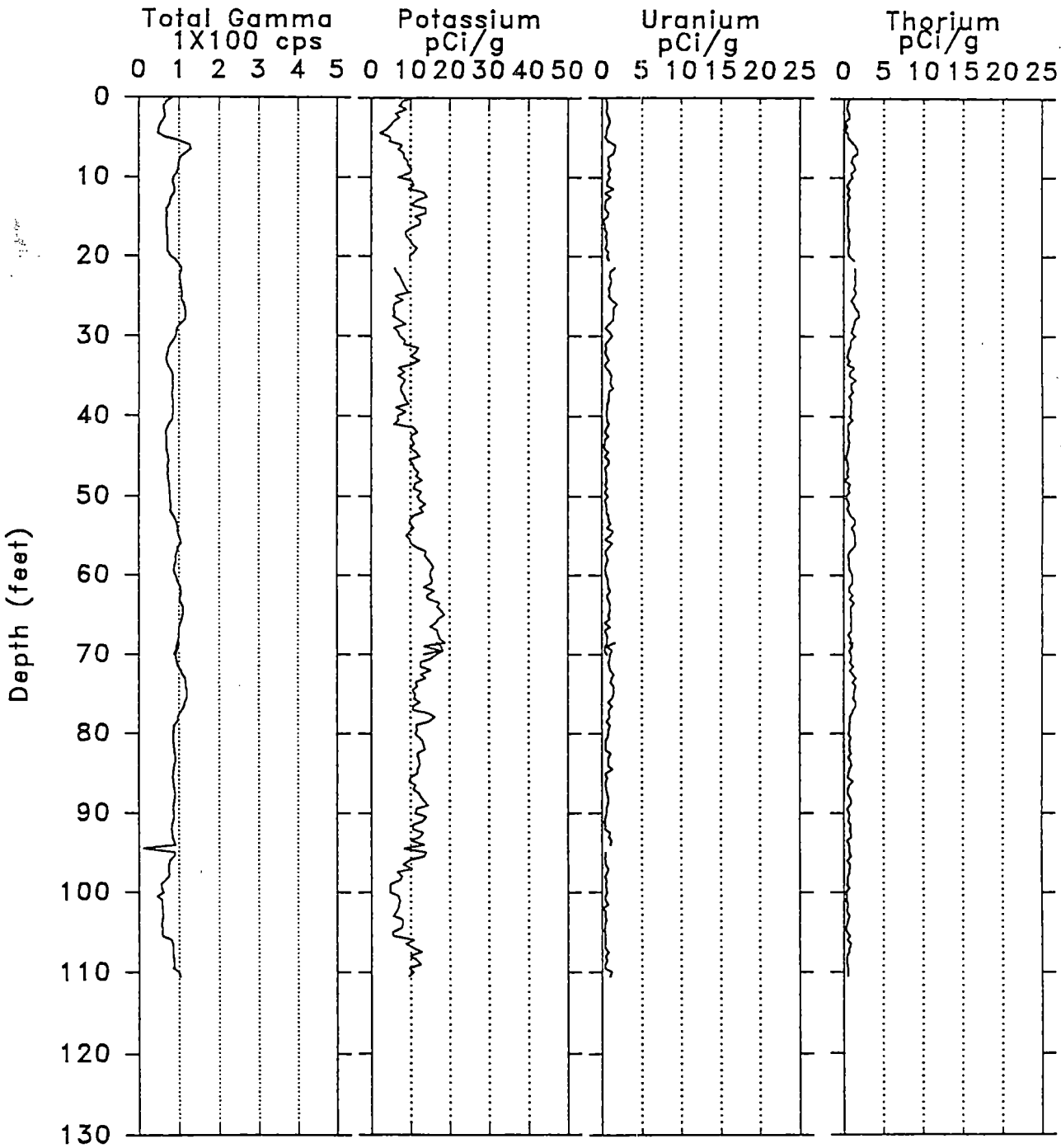
Anal. Date: Aug 09, 1993



# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-91

Log Date : Jun 09, 1993
Anal Date: Aug 06, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-91

| | | | |
|---|---|---|---|
| **Casing** | Depth: 0'-105' | Size: 8" | Thickness: 0.331" |
| **Casing** | Depth: 99'-109' | Size: 6" | Thickness: 0.280" |
| **Casing** | Depth: 109'-119' | Size: 8" | Thickness: 0.200" |
| **Water** | Depth: 110.6' | | |
| **Survey** | Depth: 0'- 110.5' | Date: 6/09/93 | |

**General Notes:**
The well was monitored from 0 to 110.5 feet, in increments of 0.5 feet for counting periods of 150 seconds. The borehole diameter is 11 inches to 105 feet. Outside the eight inch casing there is granular Bentonite to about 90 feet, followed by a sand plug to 105 feet. Below 105 feet the well diameter is a nominal nine inches. A six inch carbon steel casing extends from 99 to 109 feet. From 109 to 119 feet there is an eight inch #10 slot stainless steel telescoping screen. From about 110.5 feet downward there is gravel packed inside the telescoping screen.

The plot tracks for the naturally occurring radionuclides potassium, uranium, and thorium show calculated activities which are typical for Hanford soils. The plot track for the total gamma ray count rate reflects the general features of the naturally occurring radionuclides. The breaks in the plot track data at 21 feet and at 95 feet are due to poor quality individual spectra at these points. The other spectra are normal.

The only man-made radionuclide observed in the well is Cs-137 which occurs intermittently from the ground level to 19.5 feet.

**Man-made Radionuclides:**
Cesium (Cs-137) is detected from 0 to 19.5 feet. The maximum calculated activity of 1.2 pCi/g occurs at 11.5 feet. No other man-made radionuclides were observed.

0080 531 3146

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-92 | | | |
| Coordinates | 37,492 N | 75,319 W | Feet | (Hanford System) |
| Elevation | 676.0 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth 94.0 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 8 | 0.329 | 0 | 111 |
| 6 | 0.280 | 100.5 | 113 |
| 8 | 0.01 | 113 | 123 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|
| Jun 04, 1993 | H2W1992\A383 | MSA 150sec RT | 0 | 55 | 0.5 |
| Jun 07, 1993 | H2W1992\A384 | MSA 150sec RT | 53.5 | 117 | 0.5 |
| Jun 07, 1993 | H2W1992\A384 | 500sec RT | Station | 117 | |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

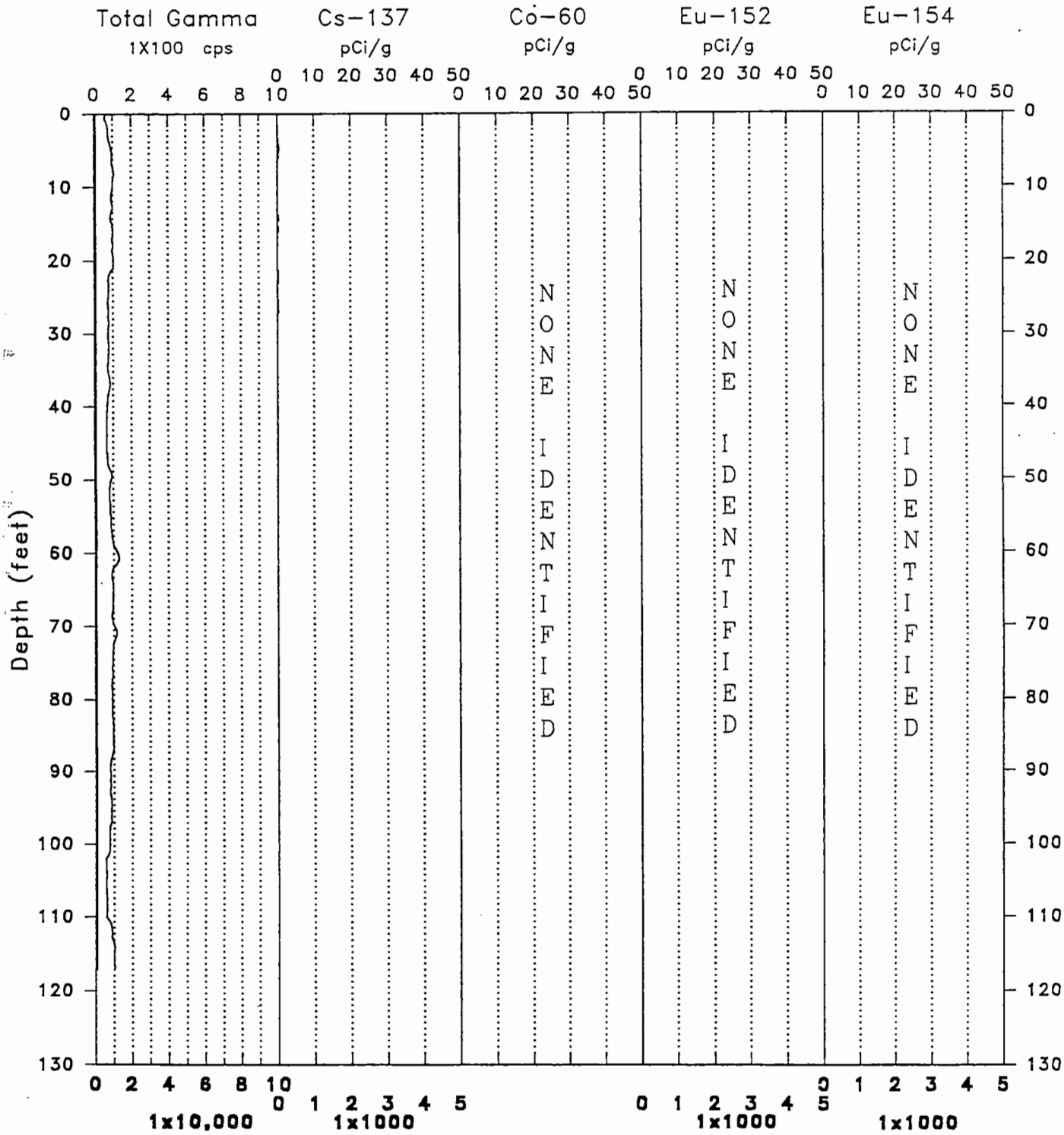
Analyst Names: W. F. Nicaise R. K. Price
Analysis Date: Aug 04, 1993

Analysis Notes:
Radionuclides Identified: Cs-137 only.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-92

Log Date: Jun 07, 1993
Anal. Date: Aug 04, 1993

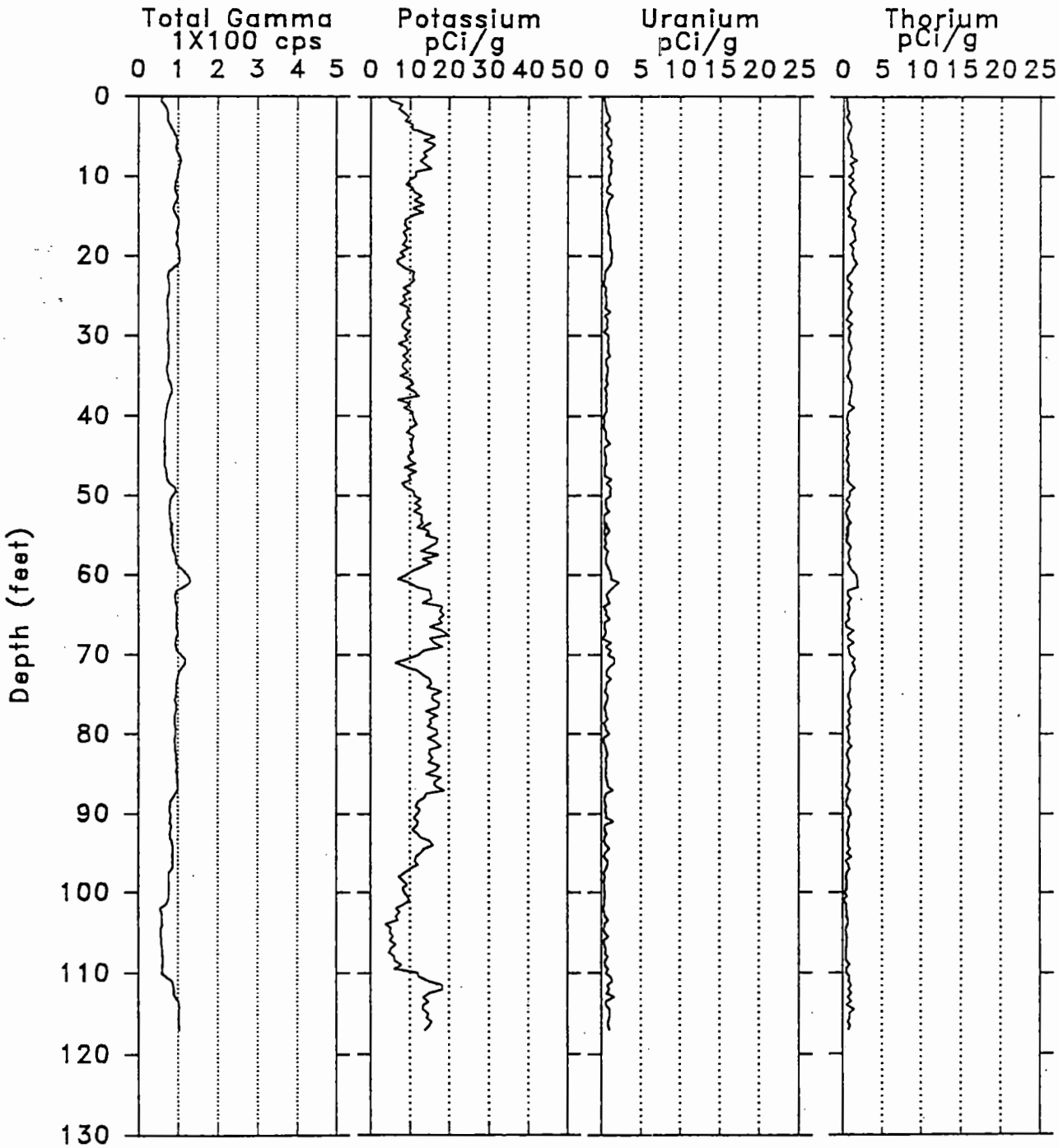



2400-9513146

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-92

Log Date : Jun 07, 199:
Anal Date: Aug 04, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-92

| | | | | | |
|---|---|---|---|---|---|
| **Casing** | Depth: | 0'-111' | Size: | 8" | Thickness: 0.329" |
| **Casing** | Depth: | 100.5'-113' | Size: | 6" | Thickness: 0.280" |
| **Casing** | Depth: | 113'-123' | Size: | 8" | Thickness: 0.010" |
| **Water** | Depth: | 110.0' | | | |
| **Survey** | Depth: | 0'- 117' | Date: | 6/07/93 | |
| | Stations: | 117' | | | |

**General Notes:**
The well was monitored from 0 to 117 feet, in increments of 0.5 feet for real counting periods of 150 seconds. A stationary count was taken at 117 feet for 500 seconds. The borehole diameter is 11 inches to 111 feet. The space between the 8 inch casing and the well side was filled with granular Bentonite. Below 111 feet the well diameter is a nominal nine inches. A six inch casing extends from 100.5 to 113 feet. From 113 to 123 feet there is an eight inch #10 slot stainless steel screen.

The plot tracks for the naturally occurring radionuclides potassium, uranium, and thorium show calculated activities which are typical for Hanford soils. The plot track for the total gamma ray count rate reflects the general features of the naturally occurring radionuclides.

The only man-made radionuclide observed in the well is Cs-137 which occurs intermittently for the ground level to 27 feet. The calculated activities for this radionuclide range from 0.1 to 0.5 pCi/g which is just at the lower limit of detection for the detection system.

**Man-made Radionuclides:**
Cesium (Cs-137) is detected from 0 to 27 feet. The maximum calculated activity of 0.5 pCi/g occurs at from 4.5 to 5.0 feet. No other man-made radionuclides were observed.

9413153.0914

# Westinghouse Hanford Company
# RLS Spectral Gamma-Ray Borehole Survey Log Header

Project: U-14 Ditch

| | | | | |
|---|---|---|---|---|
| Borehole | 299-W19-93 | | | |
| Coordinates | 37,289 N | 75,431 W | Feet | (Hanford System) |
| Elevation | 675.0 ft | Top of casing | | |

## Borehole Environment Information

Borehole liquid depth 110.0 (ft) from zero (0.0) depth reference of log

| Casing size (in.) | Casing thickness (in.) | Top depth (ft) | Base depth (ft) |
|---|---|---|---|
| 8 | 0.337 | 0 | 101 |
| 6 | 0.280 | 95 | 105 |
| 8 | 0.01 | 105 | 115 |

## RLS Passive Spectral Gamma Survey Information

Logging Engineers R. V. Cram S. E. Kos
Log depth reference at zero (0.0) depth is ground level

| Log Date | Archive file names | Log mode speed | Depth interval (ft) Top | Base | Incr |
|---|---|---|---|---|---|
| Jun 02, 1993 | H2W1993\A381 | MSA 150sec RT | 0 | 74 | 0.5 |
| Jun 03, 1993 | H2W1993\A382 | MSA 150sec RT | 72.5 | 110.5 | 0.5 |
| Jun 03, 1993 | H2W1993\A382 | 300sec RT | Station | 110.5 | |

MSA: Move-Stop-Acquire
RT: Real time

## Calibration and Analysis Information

RLS Calibration Date: Nov. 21, 1991
Calibration Report: WHC-SD-EN-TRP-001

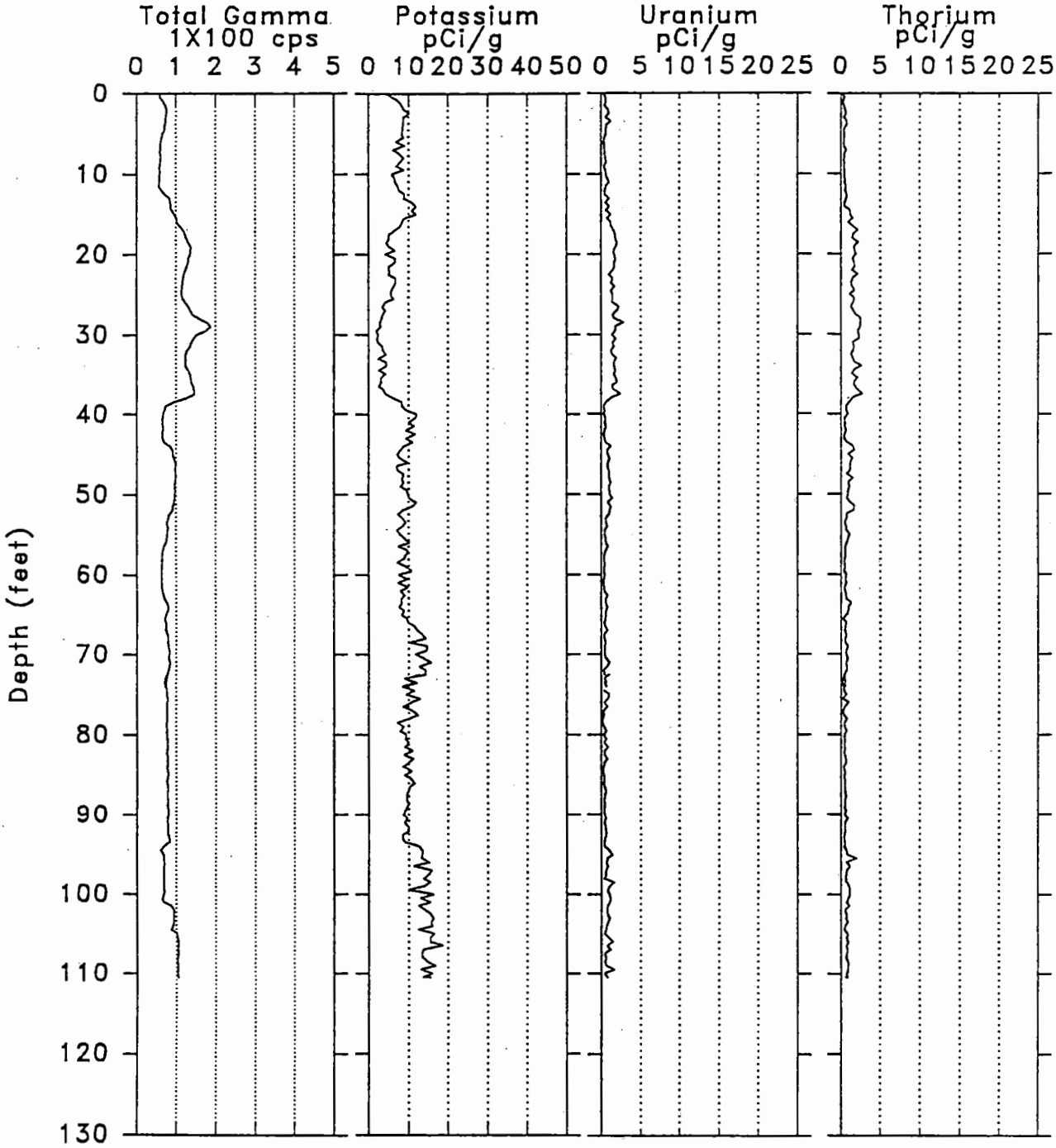
Analyst Names: W. F. Nicaise R. K. Price
Analysis Date: Aug 03, 1993

Analysis Notes:
Radionuclides Identified: Surface Cs-137 only.

# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole : 299-W19-93

Log Date : Jun 03, 1993
Anal Date: Aug 03, 1993

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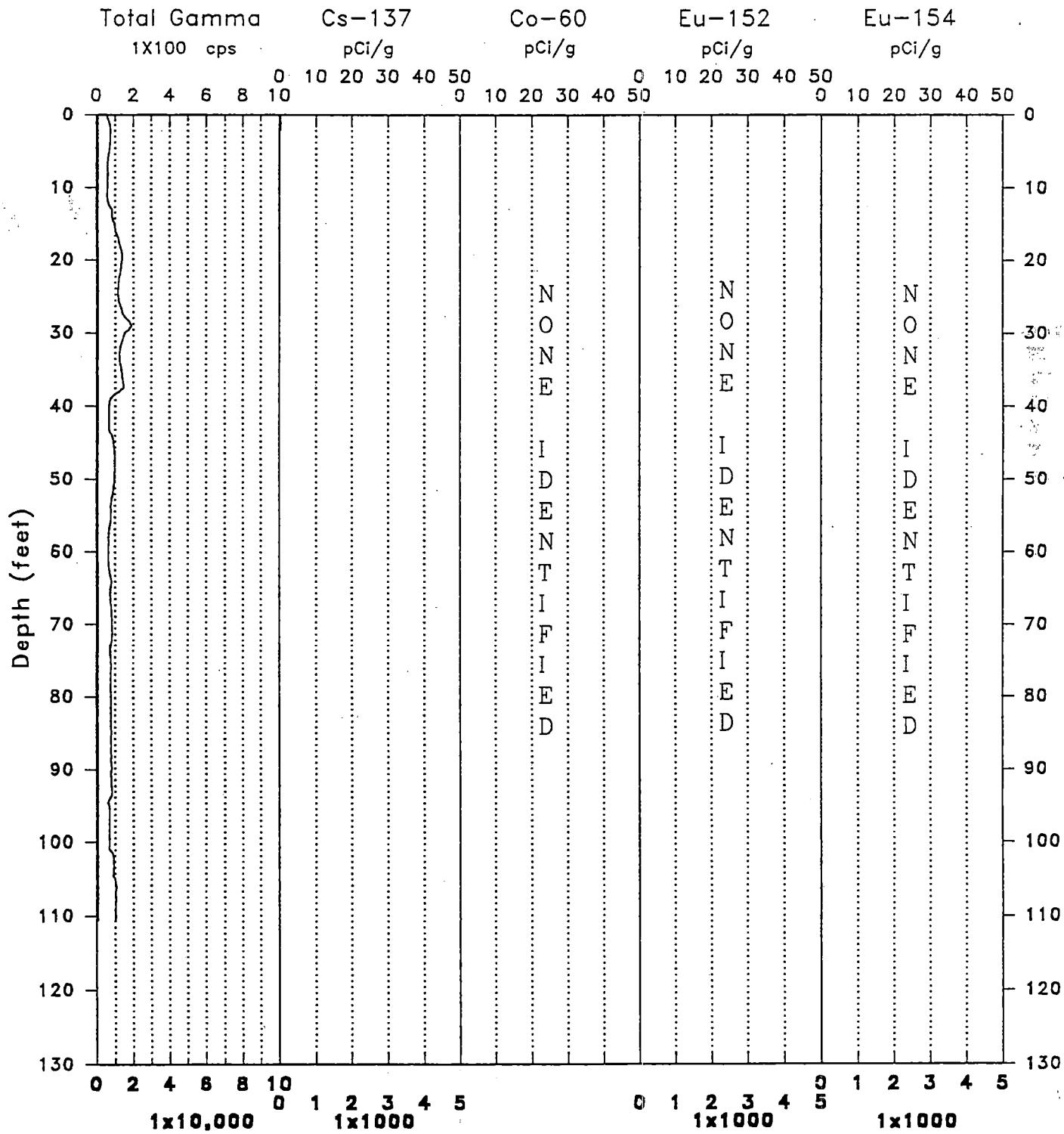
# RLS Spectral Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W19-93

Log Date: Jun 03, 1993
Anal. Date: Aug 03, 1993



## RLS Borehole Survey Report

**Borehole:** 299-W19-93

| | | | | | |
|---|---|---|---|---|---|
| **Casing** | Depth: 0'-101' | Size: 8" | | Thickness: 0.337" | |
| **Casing** | Depth: 95'-105' | Size: 6" | | Thickness: 0.280" | |
| **Casing** | Depth: 105'-115' | Size: 8" | | Thickness: 0.010" | |
| **Water** | Depth: 94.0' | | | | |
| **Survey** | Depth: 0'- 110.5' | | Date: 6/03/93 | | |
| | Stations: 110.5' | | | | |

**General Notes:**
The well was monitored from 0 to 110 feet, in increments of 0.5 feet for real counting periods of 150 seconds. A stationary count was taken at 110.5 feet for 300 seconds. The borehole diameter is 11 inches to 85 feet. The space between the 8 inch casing and the well side was filled with granular Bentonite. Below 85 feet the well diameter is a nominal nine inches. A six inch casing extends from 95 to 105 feet. From 105 to 115 feet there is an eight inch #10 slot stainless steel screen.

The plot tracks for the naturally occurring radionuclides potassium, uranium, and thorium show calculated activities which are typical for Hanford soils. The plot track for the total gamma ray count rate reflects the general features of the naturally occurring radionuclides. An elevated total gamma ray count rate at about 29 feet is associated with slightly elevated thorium and uranium concentrations. A detailed review of the survey spectra indicates that only natural radionuclide gamma ray photopeaks are present in this region.

The only man-made radionuclide observed in the well is Cs-137 which occurs at trace activities near the surface and a trace at 7.5 feet.

**Man-made Radionuclides:**
Cesium (Cs-137) is detected from 0 to 2.5 feet and at 7.5 feet. The maximum calculated activity of 0.4 pCi/g occurs at one to 1.5 feet.

No other man-made radionuclides were observed.

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**Westinghouse Hanford Company** | **Internal Memo**

From: Geophysics 81234-93-038
Phone: 6-4224 H6-06
Date: December 30, 1993
Subject: GROSS GAMMA-RAY LOGGING REPORT OF SURVEYS ACQUIRED FOR THE 216-U-14 DITCH GROUNDWATER IMPACT ASSESSMENT

To: K. M. Singleton H6-06

cc: J. W. Fassett H6-06
K. R. Fecht H6-06
A. J. Knepp H6-06
S. E. Kos H6-06
R. K. Price H6-06
R. R. Thompson H6-06
JWF File/LB

Attached is a report concerning eight boreholes logged during the drilling and completion activities associated with the U-14 Ditch Groundwater Impact Assessment. The log surveys included in this report have been acquired with two detector types. They are Gross Gamma-ray operated by PNL, and Spectral Gamma-ray Sodium-Iodide (NaI) operated by WHC. No man-made radionuclides above the detection limit of each detector were identified in any of the boreholes surveyed.

Borehole 299-W18-15 was surveyed with the WHC-RLS spectral gamma and the WHC-NaI system. Cesium-137 was identified in two intervals with the WHC-RLS system but was not identified by the WHC-NaI system gross gamma mode above the variations of the natural radionuclide.

Questions regarding the technical material in the report should be directed to R. K. Price of the Geosciences staff at 376-9148.

J. W. Fassett

J. W. Fassett
Manager

mai

Attachment

# Passive Gross Gamma-Ray Borehole Survey Report

| | | |
|---|---|---|
| Report Date: | December 29,1993 | |
| Project: | 216-U-14 Ditch Groundwater Impact Assessment | |
| Boreholes: | 299-W18-15 | 299-W19-22 |
| | 299-W18-33 | 299-W23-16 |
| | 299-W18-250 | 299-W23-17 |
| | 299-W18-251 | 299-W23-18 |

## 1.0 Introduction

Passive gamma-ray borehole survey logs were acquired with the PNL and WHC systems in eight boreholes in the vicinity of the U-14 Ditch. Information regarding the boreholes, log date, maximum log depth, equipment utilized, and log-response ranges are presented in Table 1. A copy of the borehole survey logs are included in Appendix A.

Two detector types were used to acquire the borehole survey data included in this report. Each system records gamma-ray activity emitted by the formation. Both gamma-ray survey systems use a bow-spring device to center the tool in the borehole and reduce variations that may be present with non-homogenous formation properties. A summary of the configuration and differences in each system follows.

### 1.1 PNL Gross Gamma-Ray Detector Summary

The PNL system measures gross gamma-ray activity with a one inch diameter by four inch long sodium-iodide [NaI(Tl)] detector. A gross gamma-ray detection system cannot differentiate the energies of the gamma rays. The PNL logging vehicle winch retrieves the detector at a logging speed of five feet per minute or greater. The formation gamma-ray activity and detector depth are presented in counts per second as a function of depth. No corrections for attenuation of the gamma-ray signal from steel casing or borehole fluid are available.

### 1.2 WHC-NaI Spectral Gamma-Ray Detector Summary

The WHC-NaI system measures gamma-ray energy and activity with a 2.5 inch diameter by eight-inch long NaI(Tl) detector. An improved downhole amplifier and the addition of an analog-to-digital converter permits the gamma-ray energies to be tabulated in a 1000 channel pulse height analyzer for each depth interval. The WHC-NaI system acquires data at a minimum logging speed of 2.5 feet per minute. The software to process the spectra, apply casing and borehole fluid correction factors and compute the natural potassium, uranium, and thorium (KUT) concentrations is in development. During the interim, the gross gamma-ray activity detected by this tool is presented. No corrections for steel casing or borehole fluid are currently applied to the recorded gamma-ray activity.

**Table 1: GROSS GAMMA-RAY BOREHOLE SURVES FOR 216-U-14 DITCH**

| Borehole | Log Date | Log Depth (ft) | Truck | Low (cps) | High (cps) |
|---|---|---|---|---|---|
| 299-W18-15 | 5/20/93 | 230 | WHC-NaI | 320 | 700 |
| 299-W18-33 | 5/20/93<br>6/30/93 | 146<br>224 | WHC-NaI<br>WHC-NaI | 230<br>380 | 760<br>600 |
| 299-W18-250 | 4/26/93 | 66 | PNL | 30 | 85 |
| 299-W18-251 | 4/23/93<br>4/26/93 | 146<br>146 | WHC-NaI<br>PNL | 300<br>30 | 720<br>95 |
| 299-W19-22 | 5/24/93 | 131 | WHC-NaI | 300 | 810 |
| 299-W23-16 | 5/24/93 | 233 | WHC-NaI | 120 | 650 |
| 299-W23-17 | 5/10/93 | 230 | WHC-NaI | 200 | 500 |
| 299-W23-18 | 4/23/93 | 152 | WHC-NaI | 320 | 780 |

## 2.0 Detection of Man-Made Radionuclides

The lower detection limit for man-made radionuclides using gross gamma-ray detectors is influenced by many factors and consequently is difficult to quantify without appropriate studies. Comparisons of gross gamma-ray count rates with the high-resolution germanium spectral gamma-ray borehole survey system through field measurements has assisted in establishing some correlations.

Factors which affect the lower detection limit of man-made radionuclides are:

- Variations in the natural radionuclide concentrations encountered at Hanford. The variations will be discussed later.
- Borehole construction considerations, such as mulitple casing strings with varying thicknesses, cement, bentonite, sand pack and grout between and behind the casing. The unconsolidated nature of the Hanford Formation leads to large variations in the hole sizes.
- Formation gamma-ray activity differences below the water and above the water in the vadose zone.
- The presence of other man-made radionuclides which raise the gamma-ray activity recorded by the detector. The presence of cesium-137, even at low concentrations, raises the detection level for most transuranic radionuclides (e.g., Pu-239) and U-235.

The man-made radionuclides normally encountered at Hanford that emit gamma rays when decaying include: cesium-137, cobalt-60, europium-152, europium-154, antimony-125, americium-241, neptunium-237, uranium-235, uranium-238,

plutonium-239, plutoium-240, and others. Some of these radionuclides (Cs-137, Co-60, Eu-152, Eu-154, and others) emit the gamma-rays with sufficient energy and intensity that will permit gross gamma-ray systems to identify their presence at relatively nominal concentrations. The other radionuclides (Am-241, U-238, Pu-239, Pu-240, and others) may be present at concentrations exceeding 200 picocuries per gram before the gamma-ray activity exceeds the natural variations present at Hanford.

The lower detection limits will be summarized for two commonly encountered radionuclides (Cs-137 and Co-60) and two other radionuclides that are of interest because of their mobility and health hazards (U-238 and Pu-239). The lower detection limits given in Table 2 for the RLS-germanium and gross-gamma detectors are taken from field collected 80-second measurements, in single cased boreholes, above the water table (vadose zone), and with no interference from other man-made radionuclides. The detection limits are estimates. The primary gamma-ray energy and gamma rays emitted per 100 decays (intensity) are included to demonstrate the range of gamma-ray intensities that are encountered at Hanford.

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**Table 2: Lower Detection Limits of Selected Radionuclides**

| Radionuclide | Gamma-Ray Energy (KeV) | Gamma-Ray Intensity (%) | RLS-Germanium Detection Limit (pCi/g) | Gross Gamma Detection Limit pCi/g est.* |
|---|---|---|---|---|
| Cesium-137 | 662 | 85. | 0.2 | 5 |
| Cobalt-60 | 1332 | 100. | 0.2 | 5 |
| Uranium-238 | 1001 | 0.83 | 20. | 500 |
| Plutonium-239 | 414 | 0.0015 | 20,000. | 500,000 |

* Lower Detection Limit for Gross Gamma Detector are estimated from field observations.

The interpretive challenge is identifying the presence of man-made radionuclides above the variations that occur within the soils from natural radionuclides. The naturally occurring radionuclides are potassium, uranium, and thorium (KUT). Natural uranium and processed uranium-235 and uranium-238 can each be uniquely identified with the WHC-RLS high resolution germanium spectral gamma-ray system. Natural uranium is assumed to be in secular equilibrium and is identified by the gamma rays of its most energetic daughter isotopes of bismuth-214 and lead-214. Processed uranium (U-235 and U-238) are not in secular equilibrium with their daughter products and are identified by different gamma rays than the bismuth-214 and lead-214 isotopes. Infact, the process uranium have had their daughter isotopes removed through a chemical milling process. One of the well recognized daughters, radium-226, has a 1622 year half-life will require four half-lives to reach 94% equilibrium from this isotope to the bismuth-214 daughter. This is one reason natural uranium and processed uranium can be easily recognized. The variations of the natural radionuclides in the Hanford soils follow.

| | |
|---|---|
| Potassium | range is 8 to 20 picocuries per gram |
| Uranium | range is 0.2 to 3 picocuries per gram |
| Thorium | range is 0.2 to 2 picocuries per gram |

## 2.1 PNL Gross Gamma-Ray Detection Limits

The PNL gross gamma-ray system response to the natural radionuclides is 40 to 100 cps through single carbon-steel casing above the water table depth and with no sealing material (i.e., bentonite, grout, or sand) between the casing and formation. The lower detection limit for the cesium-137 and cobalt-60 is approximately five picocuries per gram. This means the formation gamma-ray activity will exceed the 100-cps upper range commonly observed for the natural radionuclides when 5 pCi/g of Cesium-137 is present.

The two PNL gross gamma-ray surveys acquired for this project are included in the appendix.

## 2.2 WHC-NaI Spectral Gamma-Ray Detection Limits

The WHC-NaI gamma-ray detector response to the natural radionuclides is 300 to 800 cps with the same borehole conditions. This elevated count rate originates from the larger detector size. The higher count rate also improves the counting statistics. The detection limit for cesium-137 and cobalt-60 is approximately five picocuries per gram if only the total gamma-ray activity is reviewed. The detection limit can be lowered by about half by examining the spectra.

Seven WHC-NaI surveys acquired for this project are included in the appendix. The survey for borehole 299-W19-22 reached approximately 810 cps, above the range for natural radionuclide variaitons, in a screened interval where borehole conditions differ from the standard sited above.

The WHC-NaI detector has only recently been introduced to Hanford. During this shake-down phase of the system, extensive repeat intervals for the borehole survey are acquired. The repeat interval is plotted over the main log response as a duplicate curve. The repeat interval frequently extends for the entire borehole when depths are less than 150 feet. The repeatability of the system is extremely good.

## 3.0 Interpretation

The WHC-NaI total gamma-ray surveys have good repeatability and demonstrate that minor variations in the formation gamma-ray activity can be identified. Variations in the natural radionuclide concentrations with depth can indicate stratigraphic, mineralogic, and lithologic changes, both abrupt and gradational. Interpretation of the WHC-NaI total gamma-ray surveys for geologic features are considered important, however, are beyond the scope of this report.

Review of the borehole surveys, well construction data, and comparisons with other information have contributed to the following interpretation.

- Borehole 299-W18-15 is an older well that pre-existed the ground water impact study of the 216-U-14 Ditch. This borehole was logged earlier by the WHC-RLS spectral gamma-ray system and the results reported in Internal Memo 81234-93-034. Figure 1 compares the RLS survey results with the NaI total gamma-ray activity. The RLS survey identified cesium-137 from 0 to 12 feet and from 24 to 28 feet. The maximum activity detected was 4.5 picocuries per gram at one foot. The WHC-NaI survey response at one foot is not characteristic of natural formation variations and generally can be interpreted as an indication of man-made radionuclides. Additionally, the gross gamma-ray log survey detected an elevated formation activity from 20 to 28 feet that corresponds to an increase in natural uranium and potassium activity, as recorded by in the RLS survey. The presence of cesium-137 at 27 feet was undetected by the gross gamma survey. Review of the WHC-NaI spectral data indicated the presence of cesium-137 around one foot and 26 feet when its concentration, from the RLS survey, approached two picocuries per gram.

- An offset between the repeated log survey (i.e., count rate) is observed for well 299-W18-33 from 110 to the total survey depth of 146 feet. The differences are attributed to problems with the tool centralizer that may have permitted the detector be located at different axial positions in the borehole for the two passes. This was the first well surveyed with the WHC-NaI system in which the centralizer was used. The exclusion zone around the well prevented the logging operator from verifying equipment performance. The discrepancy in the level of activity of the repeated section prompted extended rerun intervals on subsequent log surveys to identify the problem and expedite its correction. To date the problem has not reoccured, indicating that the problem may not be present when care is taken to acquire the highest quality data.

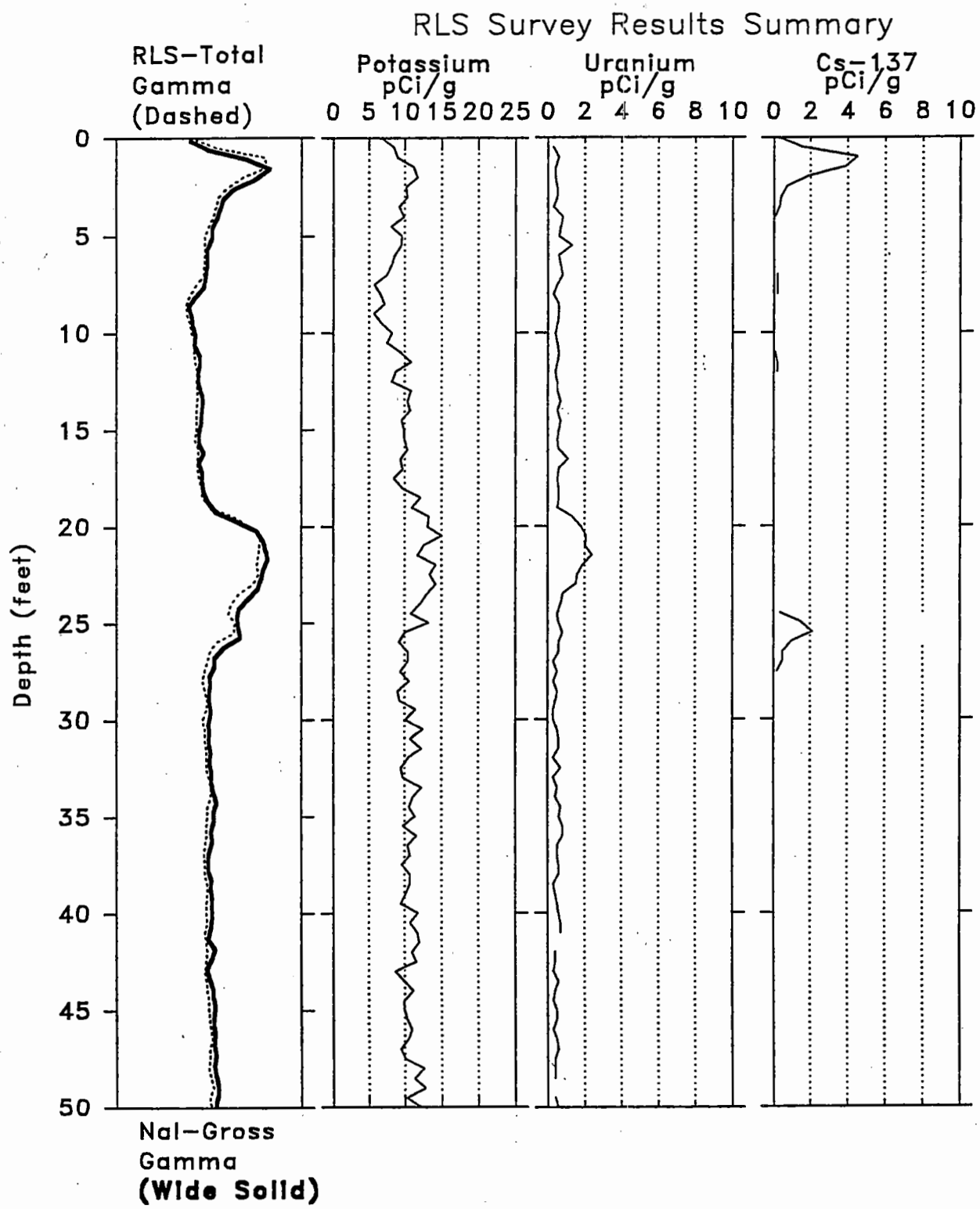
- Well 299-W18-251 was logged with both the PNL gross gamma-ray and the WHC-NaI systems. The correlation between the two systems is good even though the WHC-NaI system ran no repeat interval and the depth increment between measurements was one foot. A repeat interval was not acquired due to time constraints (i.e., end of the work shift) that limited access to the borehole. WHC-NaI log surveys acquired after May 1, 1993 were recorded with a depth increment of 0.5 feet.

- Well 299-W23-16 exhibits an unusual gross-gamma-ray-deflection character at 156 feet. Further examination of this survey will aid in demonstrating how the borehole environment effects the response. Deflections on the gross gamma-ray log at 18 ft (casing shoe), 147 ft (casing down size), and 156 ft (bendonite fill) are typical of the borehole environmental conditions that affect the measured gamma-ray activity. Corrections for the borehole environment are in development but have not been applied to this data.

# Figure 1 Compare RLS and Nai Total Gamma

Project: U-14 Ditch
Borehole : 299-W18-15

RLS Survey 5/19/93
Nal Survey 5/20/93



Contamination resulting from radionuclides with low photon energy (e.g., U-235 and U-238) may not be detected because of such perturbations as moderate man-made radionuclide concentration, casing thickness, fill-material composition, and logging speed. Although the WHC system has spectral capabilities, species identification of low-energy nuclides (i.e., U-235 and U-238) may be unlikely. When low-energy nuclides are suspected, surveys with the WHC-RLS are justifiable. The time required for an RLS surveys is significantly longer than that required for either the PNL tool or WHC-NaI system.

## 4.0 CONCLUSIONS

No man-made radionuclide contamination above the detection threshold of the gross gamma-ray systems were identified in any of the eight wells logged. Borehole 299-W18-15 was surveyed earlier with the WHC-RLS equipment and identified cesium-137 that was not readily apparent with the gross gamma-ray systems. This incident demonstrates that moderate concentrations of U-235 and U-238 will be undetected by gross gamma-ray systems. A high-resolution spectral gamma-ray system should be requested in these instances.

9413153.0896

# APPENDIX A

## GAMMA-RAY BOREHOLE SURVEYS

Gamma-ray borehole surveys acquired between January 1993 and December 1993 in the 216-U-14 Ditch area follow. The survey order is tabulated in the following table.

| Borehole | Log Date | Max Survey Depth |
|---|---|---|
| | **WHC-NaI** | |
| 299-W18-15 | 5/20/93 | 230 |
| 299-W18-33 | 5/20/93 & 6/30/93 | 224 |
| 299-W18-251 | 4/23/93 | 146 |
| 299-W19-22 | 5/24/93 | 131 |
| 299-W23-16 | 4/29/93 & 5/24/93 | 233 |
| 299-W23-17 | 5/10/93 | 230 |
| 299-W23-18 | 4/23/93 | 152 |
| | **PNL** | |
| 299-W18-250 | 4/26/93 | 66 |
| 299-W18-251 | 4/26/93 | 146 |

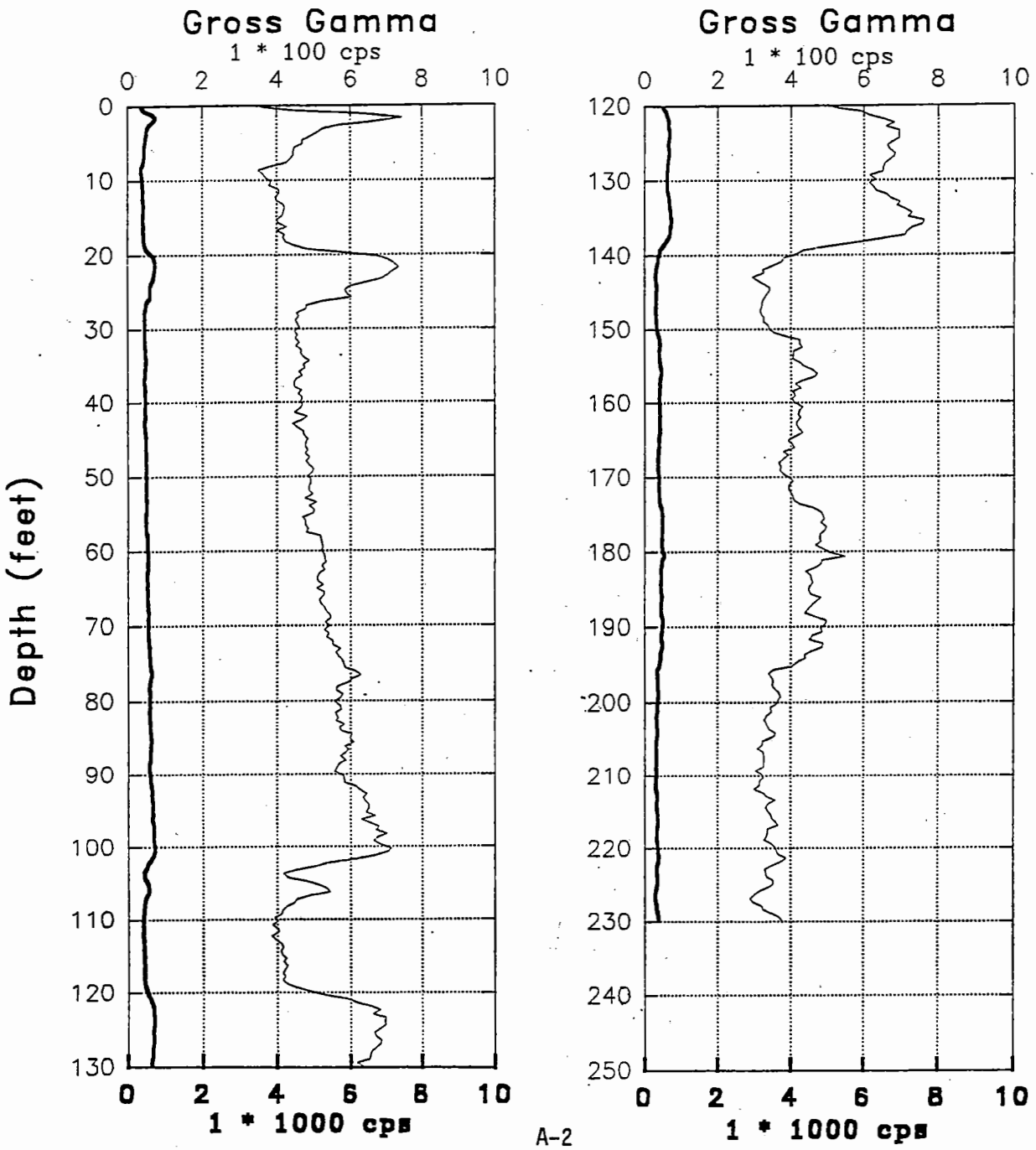
# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W18-15

Log Date: May 20, 1993

No Corrections Applied

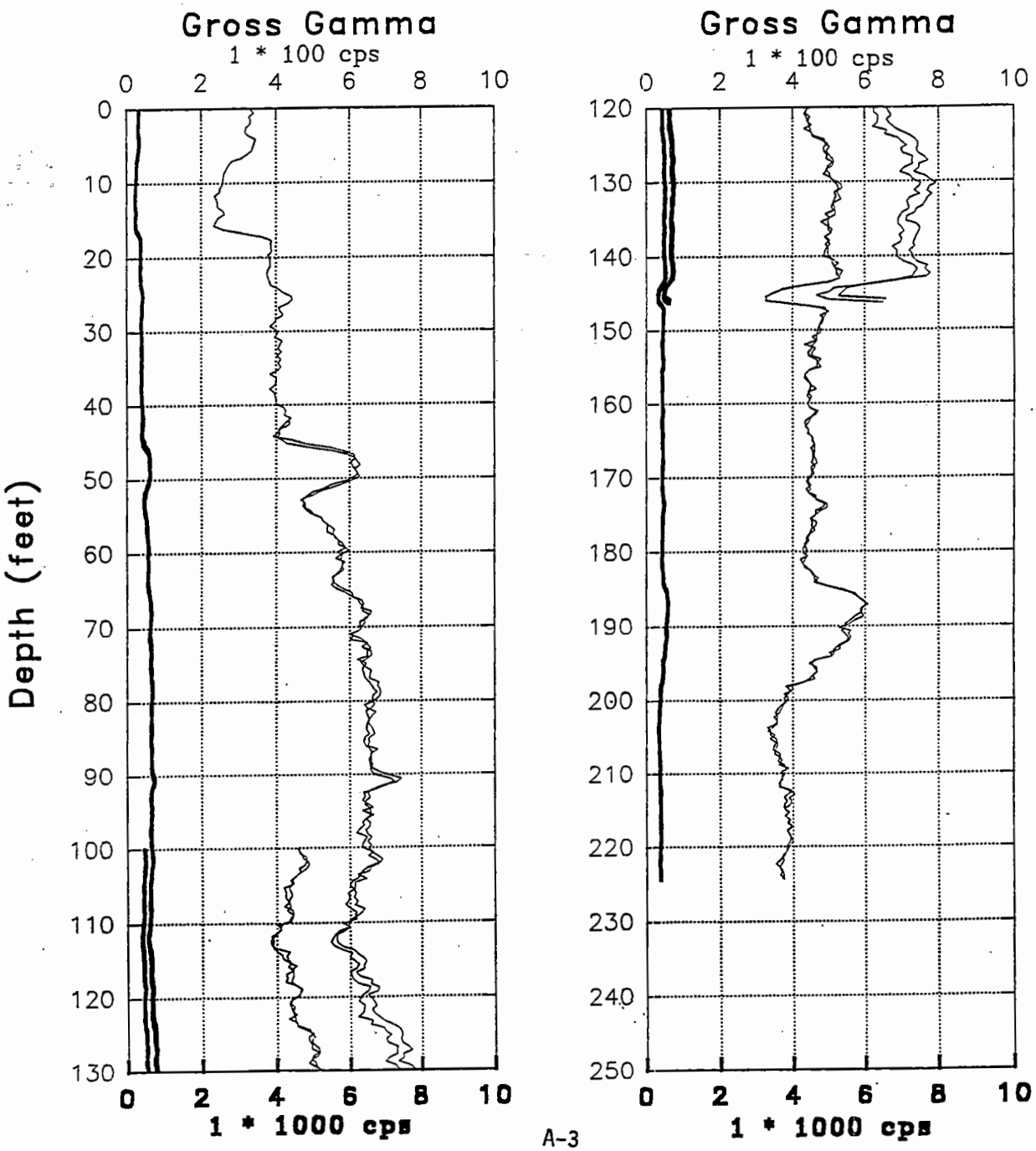



A-2

# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W18-33
No Corrections Applied

| Log Date | Depth Range |
|---|---|
| May 20, 1993 | 0 - 146' |
| Jun 3, 1993 | 100-224' |

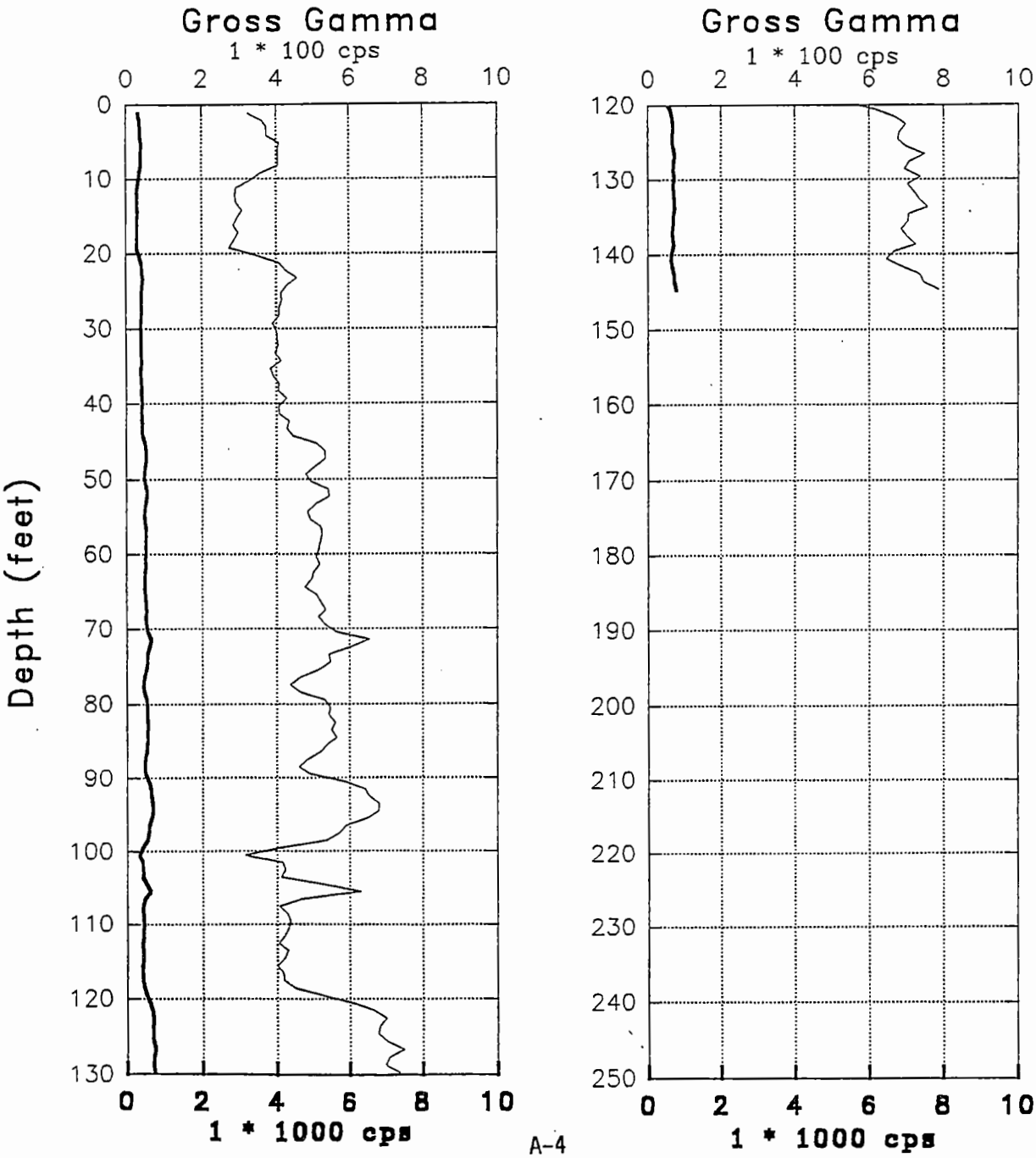



A-3

# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W18-251
No Corrections Applied

| Log Date | Depth Range |
|---|---|
| Apr 23, 1993 | 0 - 143' |




A-4

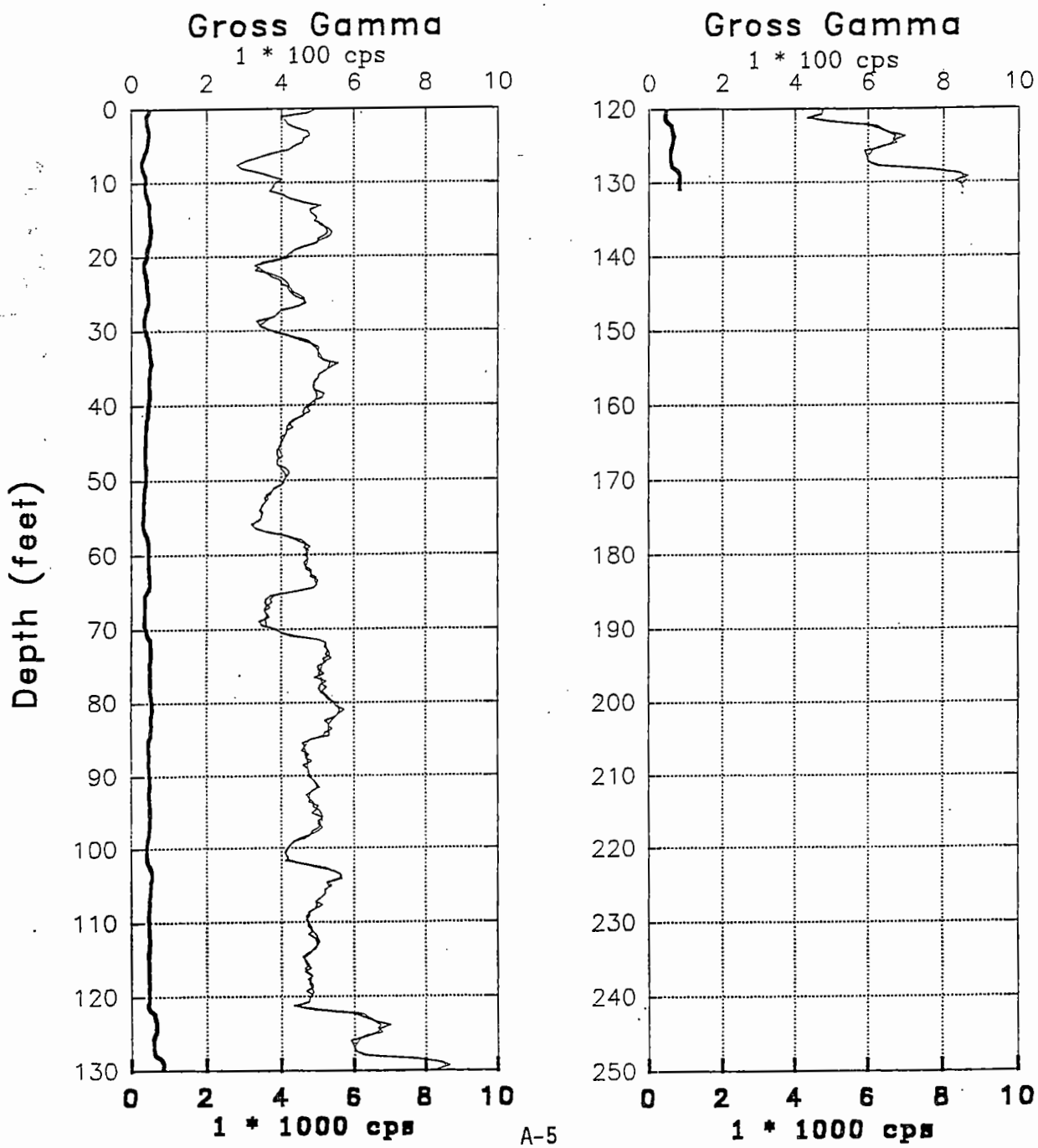
# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W19-22

Log Date: May 24, 1993

No Corrections Applied




A-5

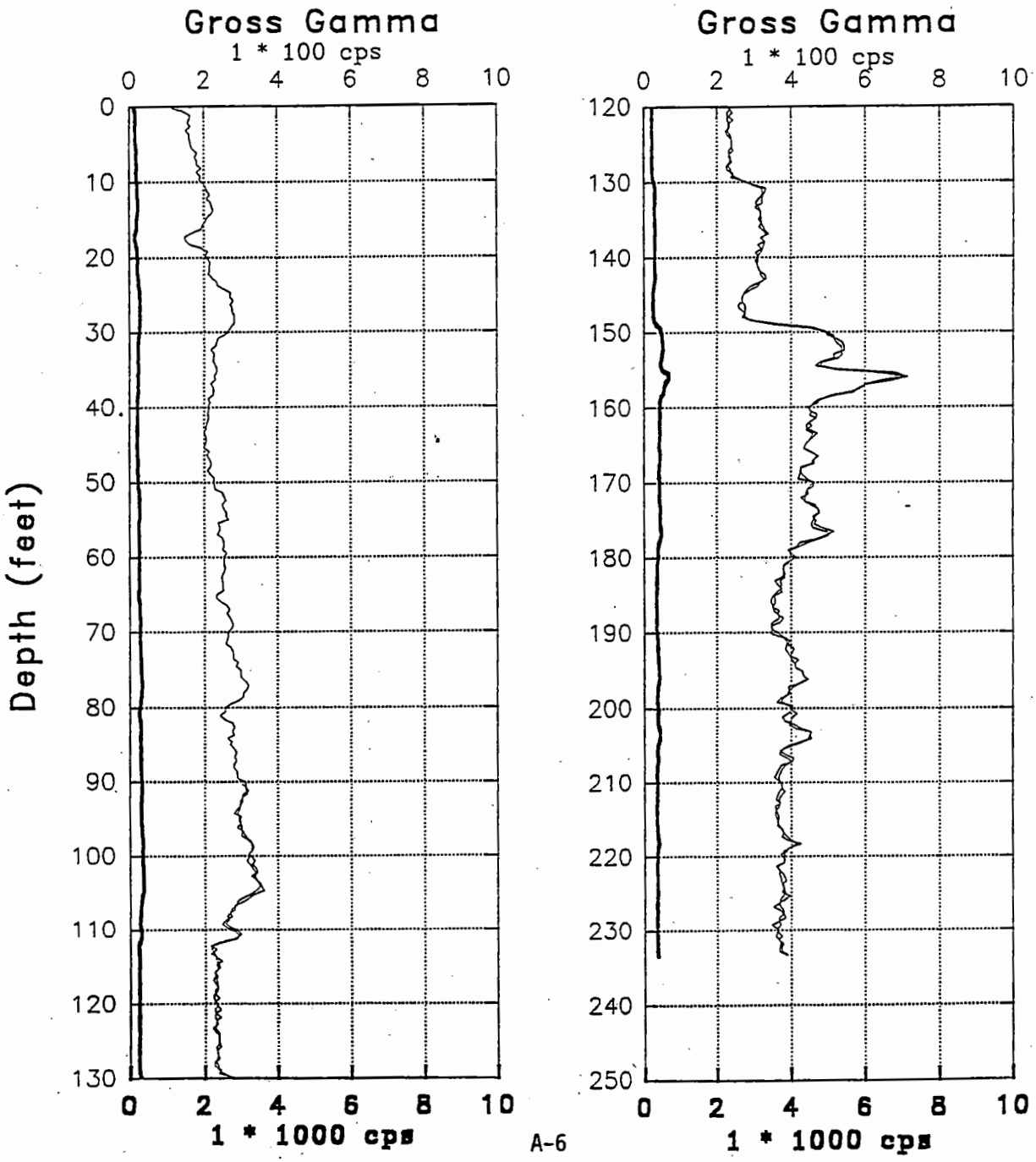
# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W23-16

Log Date: May 24, 1993

No Corrections Applied




A-6

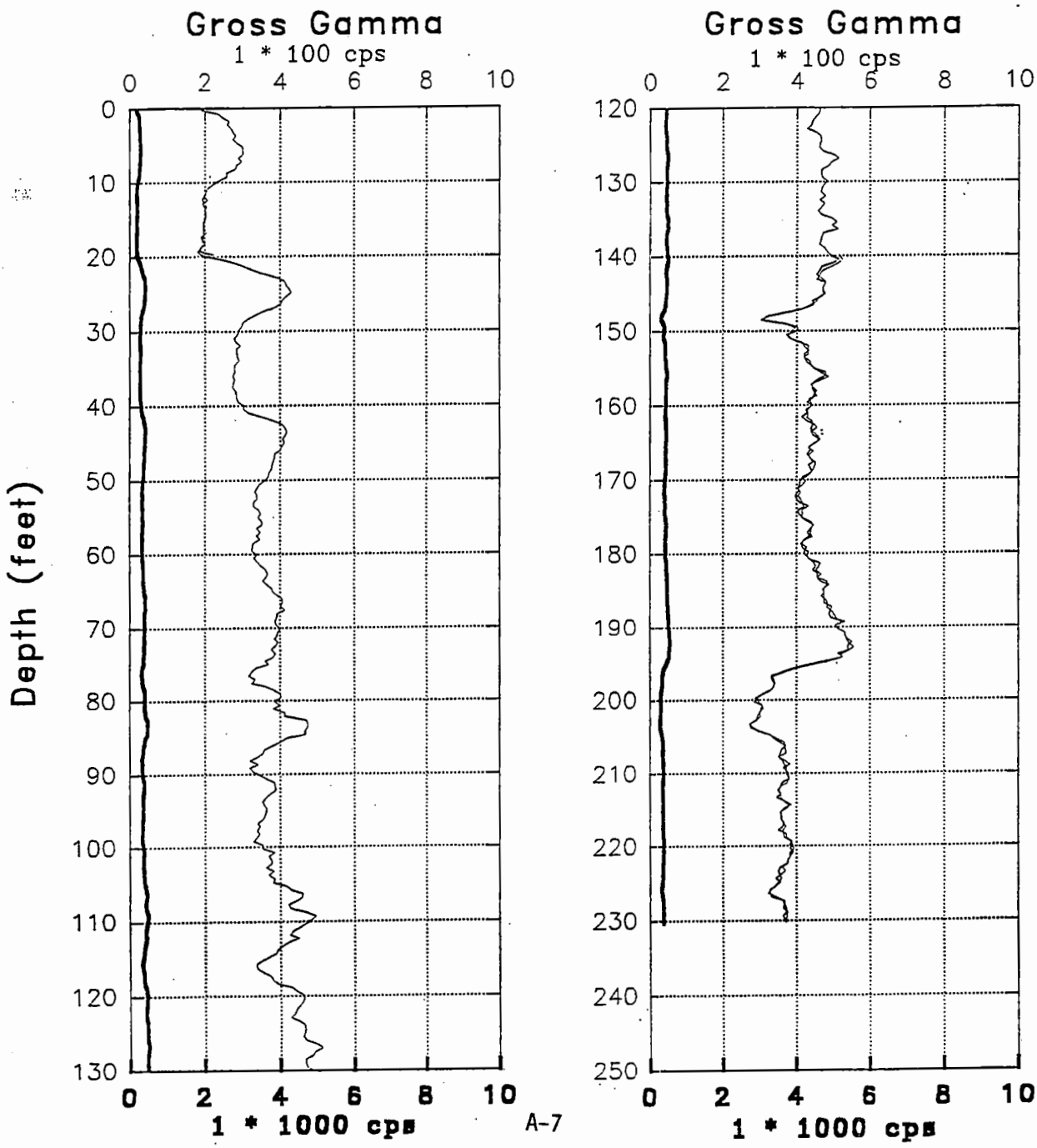
# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch

Borehole: 299-W23-17

Log Date: May 10, 1993

No Corrections Applied

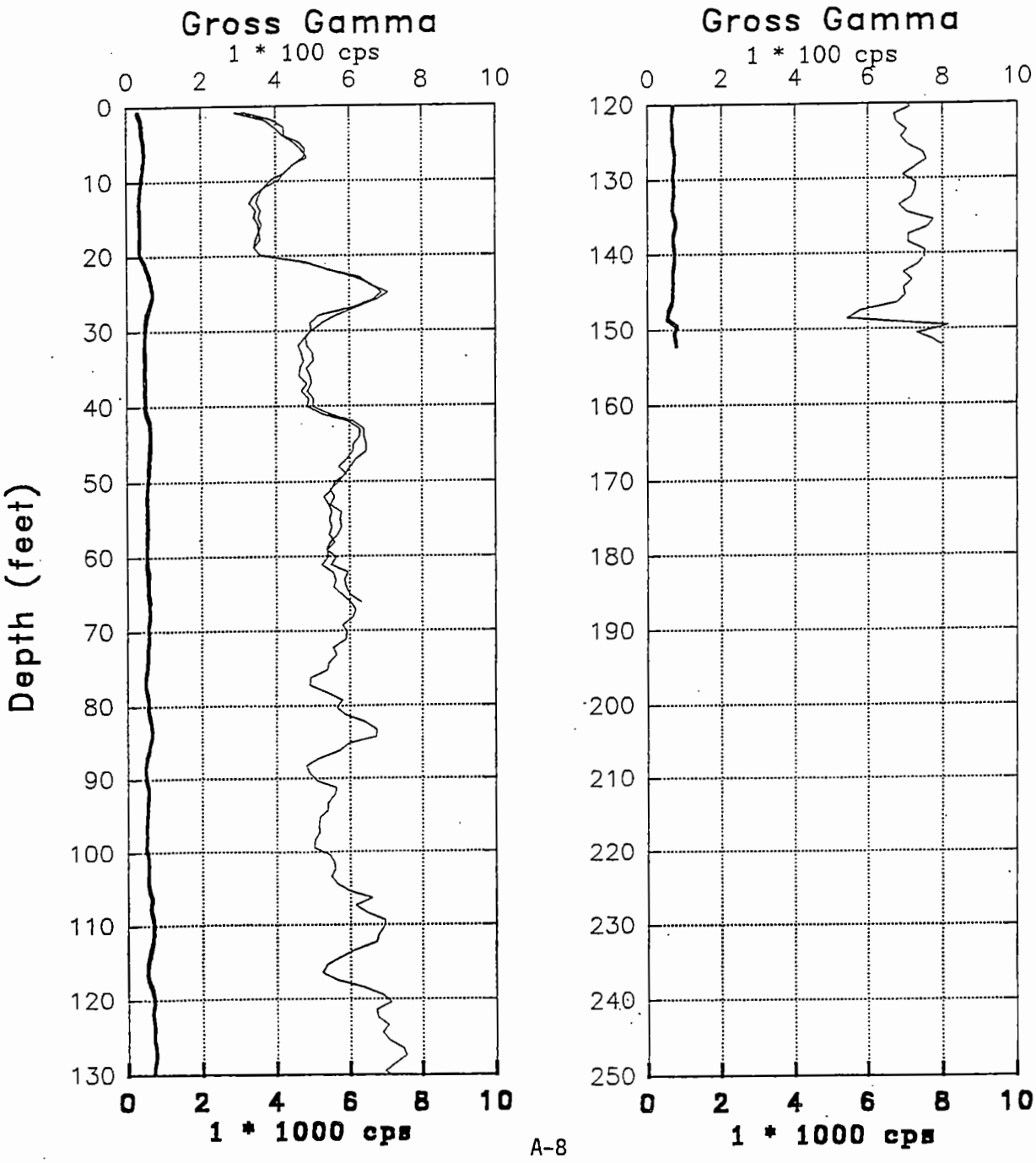



A-7

# NaI Gamma-Ray Borehole Survey

Project: U-14 Ditch
Borehole: 299-W23-18
No Corrections Applied

| Log Date | Depth Range |
|---|---|
| APR 23, 1993 | 0 - 152' |




A-8

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# APPENDIX I

## TEST PIT CHEMISTRY AND RADIOLOGICAL SEDIMENT DATA

B = Blank.
J = Concentration is estimated.
L = Concentration is below CRQL but above the MDL.
pCi/g = Picocuries/gram.
X = Other.
U = Undetected.

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9413153.0067

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | | 1 | PCI/G | 1 | 1 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | | 1 | PCI/G | 2 | 2 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | | 1 | PCI/G | 1 | 1 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | | 0 | PCI/G | 1 | 1 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Americium-241 | 1 | PCI/G | 1 | 1 | 147 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Antimony-125 | 1 | PCI/G | 3 | 3 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Cesium-137 | 2740 | PCI/G | 7 | 274 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Cobalt-60 | 1 | PCI/G | 0 | 0 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Plutonium-238 | -0 | PCI/G | 0 | 1 | 146 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Plutonium-239/40 | 10 | PCI/G | 3 | 3 | 146 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Ruthenium-106 | -4 | PCI/G | 5 | 5 | 140 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Strontium-90 | 4 | PCI/G | 1 | 1 | 141 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Technetium-99 | 12 | PCI/G | 4 | 21 | 143 | |
| ETP-1 | 0-0.5 | B07CC7 | 6/26/93 | Uranium | 188 | PCI/G | 0 | 70 | 145 | |
| ETP-1 | 2-3 | B07CD2 | 6/26/93 | | 1 | PCI/G | 1 | 1 | 138 | |
| ETP-1 | 2-3 | B07CD2 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-1 | 2-3 | B07CD2 | 6/26/93 | Strontium-90 | 0 | PCI/G | 0 | 0 | 141 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Antimony | 6100 | UG/KG | | 2650 | 34 | L |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Arsenic | 820 | UG/KG | | 608 | 43 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Barium | 63000 | UG/KG | | 9750 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Beryllium | 290 | UG/KG | | 46 | 34 | L |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Chromium | 7100 | UG/KG | | 2750 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Cobalt | 6800 | UG/KG | | 1650 | 34 | |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Copper | 14000 | UG/KG | | 6640 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Lead | 3400 | UG/KG | | 1180 | 40 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Manganese | 220000 | UG/KG | | 45800 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Nickel | 6200 | UG/KG | | 2380 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Potassium | 730000 | UG/KG | | 464000 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Silver | 3100 | UG/KG | | 887 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Sodium | 290000 | UG/KG | | 132000 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Sulfide | 20000 | UG/KG | | 2860 | 63 | L |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Vanadium | 68000 | UG/KG | | 16900 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | Zinc | 44000 | UG/KG | | 19900 | 34 | |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-1 | 2-4 | B07CD3 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-1 | 6-7 | B07CD4 | 6/26/93 | | -2 | PCI/G | 1 | 1 | 138 | |
| ETP-1 | 6-7 | B07CD4 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-1 | 6-7 | B07CD4 | 6/26/93 | Strontium-90 | 1 | PCI/G | 0 | 0 | 141 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Antimony | | UG/KG | | | 34 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1254 | 7 | UG/KG | | | 17 | L |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Arsenic | 1000 | UG/KG | | 741 | 43 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Barium | 73000 | UG/KG | | 11300 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Beryllium | 210 | UG/KG | | 33 | 34 | L |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Bis(2-ethylhexyl) phthalate | 97 | UG/KG | | | 19 | L |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Chromium | 5800 | UG/KG | | 2240 | 34 | |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Cobalt | 5100 | UG/KG | | 1240 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Copper | 14000 | UG/KG | | 6640 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Lead | 3600 | UG/KG | | 1250 | 40 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Manganese | 220000 | UG/KG | | 45800 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Nickel | 5000 | UG/KG | | 1920 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Potassium | 570000 | UG/KG | | 363000 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Silver | 2700 | UG/KG | | 773 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Sodium | 290000 | UG/KG | | 132000 | 34 | |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Sulfide | 10000 | UG/KG | | 1430 | 63 | L |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Vanadium | 46000 | UG/KG | | 11400 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | Zinc | 40000 | UG/KG | | 18100 | 34 | |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-1 | 6-7 | B07CD5 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-2 | 0.5-1 | B07CC4 | 6/26/93 | Strontium-90 | 0 | PCI/G | 0 | 0 | 141 | |
| ETP-2 | 3-4 | B07CC5 | 6/26/93 | | -0 | PCI/G | 0 | 0 | 138 | |
| ETP-2 | 3-4 | B07CC5 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-2 | 3-4 | B07CC5 | 6/26/93 | Strontium-90 | 0 | PCI/G | 0 | 0 | 141 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Antimony | 6200 | UG/KG | | 2700 | 34 | L |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Arsenic | 1400 | UG/KG | | 1040 | 43 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Barium | 86000 | UG/KG | | 13300 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Beryllium | 230 | UG/KG | | 36 | 34 | L |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Chromium | 7100 | UG/KG | | 2750 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Cobalt | 7100 | UG/KG | | 1730 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Copper | 15000 | UG/KG | | 7110 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Lead | 2300 | UG/KG | | 800 | 40 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Manganese | 290000 | UG/KG | | 60400 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Nickel | 6000 | UG/KG | | 2300 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Potassium | 600000 | UG/KG | | 382000 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Silver | 3300 | UG/KG | | 944 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Sodium | 320000 | UG/KG | | 146000 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Sulfide | 20000 | UG/KG | | 2860 | 63 | L |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Vanadium | 66000 | UG/KG | | 16400 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | Zinc | 42000 | UG/KG | | 19000 | 34 | |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 | B07CC6 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | | -0 | PCI/G | 1 | 1 | 138 | |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | Americium-241 | 0 | PCI/G | 0 | 0 | 147 | |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | Plutonium-238 | 0 | PCI/G | 0 | 0 | 146 | |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | Plutonium-239/40 | 0 | PCI/G | 0 | 0 | 146 | |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-2 | 3-4 DUP | B07CC8 | 6/26/93 | Strontium-90 | 0 | PCI/G | 0 | 0 | 141 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Antimony | | UG/KG | | | 34 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Arsenic | 1500 | UG/KG | | 1110 | 43 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Barium | 85000 | UG/KG | | 13200 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Beryllium | 230 | UG/KG | | 36 | 34 | L |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Chromium | 5800 | UG/KG | | 2240 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Cobalt | 6600 | UG/KG | | 1610 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Copper | 15000 | UG/KG | | 7110 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Lead | 2100 | UG/KG | | 731 | 40 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Manganese | 280000 | UG/KG | | 58300 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Nickel | 6200 | UG/KG | | 2380 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Potassium | 450000 | UG/KG | | 286000 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Silver | 2900 | UG/KG | | 830 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Sodium | 290000 | UG/KG | | 132000 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Sulfide | 30000 | UG/KG | | 4280 | 63 | L |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Vanadium | 62000 | UG/KG | | 15400 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | Zinc | 42000 | UG/KG | | 19000 | 34 | |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-2 | 3-4 DUP | B07CC9 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-2 | 6-8 | B07CD0 | 6/26/93 | | -0 | PCI/G | 1 | 1 | 138 | |
| ETP-2 | 6-8 | B07CD0 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-2 | 6-8 | B07CD0 | 6/26/93 | Strontium-90 | 0 | PCI/G | 0 | 0 | 141 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Antimony | 7000 | UG/KG | | 3050 | 34 | L |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Arsenic | 2200 | UG/KG | | 1630 | 43 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Barium | 73000 | UG/KG | | 11300 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Beryllium | 250 | UG/KG | | 39 | 34 | L |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |

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|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Chromium | 8800 | UG/KG | | 3410 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Cobalt | 7300 | UG/KG | | 1780 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Copper | 14000 | UG/KG | | 6640 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Lead | 2400 | UG/KG | | 835 | 40 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Manganese | 330000 | UG/KG | | 68700 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Nickel | 11000 | UG/KG | | 4220 | 34 | |

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|---|---|---|---|---|---|---|---|---|---|---|
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Potassium | 690000 | UG/KG | | 439000 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Silver | 3300 | UG/KG | | 944 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Sodium | 260000 | UG/KG | | 119000 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Sulfide | 20000 | UG/KG | | 2860 | 63 | L |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Thallium | 120 | UG/KG | | 91 | 42 | L |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Vanadium | 68000 | UG/KG | | 16900 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | Zinc | 44000 | UG/KG | | 19900 | 34 | |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-2 | 6-8 | B07CD1 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-3 | 0-0.5 | B07CC2 | 6/26/93 | Strontium-90 | 1 | PCI/G | 0 | 0 | 141 | |
| ETP-3 | 2-4 | B07CC0 | 6/26/93 | | -2 | PCI/G | 1 | 1 | 138 | |
| ETP-3 | 2-4 | B07CC0 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-3 | 2-4 | B07CC0 | 6/26/93 | Strontium-90 | 1 | PCI/G | 0 | 0 | 141 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |

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|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Acetone | 12 | UG/KG | | | 16 | L |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Antimony | 6500 | UG/KG | | 2830 | 34 | L |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Arsenic | 1400 | UG/KG | | 1040 | 43 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Barium | 65000 | UG/KG | | 10100 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Beryllium | 220 | UG/KG | | 35 | 34 | L |

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|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Chromium | 6900 | UG/KG | | 2670 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Cobalt | 6100 | UG/KG | | 1480 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Copper | 14000 | UG/KG | | 6640 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Heptachlor epoxide | | UG/KG. | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Lead | 2900 | UG/KG | | 1010 | 40 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Manganese | 240000 | UG/KG | | 50000 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Methylene chloride | 2 | UG/KG | | | 16 | BL |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Nickel | 4400 | UG/KG | | 1690 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Potassium | 560000 | UG/KG | | 356000 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Silver | 2900 | UG/KG | | 830 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Sodium | 290000 | UG/KG | | 132000 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Sulfide | 20000 | UG/KG | | 2860 | 63 | L |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Vanadium | 60000 | UG/KG | | 14900 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | Zinc | 40000 | UG/KG | | 18100 | 34 | |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-3 | 2-4 | B07CC1 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |
| ETP-3 | 6-8 | B07CC3 | 6/26/93 | Strontium-90 | 1 | PCI/G | 0 | 0 | 141 | |
| ETP-3 | 9-10 | B07CB8 | 6/26/93 | | 0 | PCI/G | 0 | 0 | 138 | |
| ETP-3 | 9-10 | B07CB8 | 6/26/93 | Radium | 1 | PCI/G | 0 | 0 | 137 | |
| ETP-3 | 9-10 | B07CB8 | 6/26/93 | Strontium-90 | 1 | PCI/G | 0 | 0 | 141 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | | | UG/KG | | | 51 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | | | UG/KG | | | 51 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,1,1-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,1,2-Trichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,1-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,2-Dichloroethane | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,2-Dichloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1,4-Dichlorobenzene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 1-Butanol | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2,3,7,8-TCDD | | UG/KG | | | 51 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2,4,5-T | | UG/KG | | | 49 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2,4,5-TP | | UG/KG | | | 49 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2,4-D | | UG/KG | | | 49 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2,4-Dichlorophenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2-Methylphenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2-Nitrophenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 2-sec-Butyl-4,6-dinitropheno | | UG/KG | | | 49 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 4,4'-DDD | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 4,4'-DDE | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 4,4'-DDT | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 4-Methyl-2-pentanone | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | 4-Methylphenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Acetone | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aldrin | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Alpha-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aluminum | ****** | UG/KG | | | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Antimony | | UG/KG | | | 34 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1016 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1221 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1232 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1242 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1248 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1254 | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Aroclor-1260 | | UG/KG | | | 17 | U |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Arsenic | 1100 | UG/KG | | 815 | 43 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Barium | 67000 | UG/KG | | 10400 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Benzene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Benzothiazole | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Beryllium | 310 | UG/KG | | 49 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Beta-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Bis(2-ethylhexyl) phthalate | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Cadmium | | UG/KG | | | 34 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Calcium | ****** | UG/KG | | ****** | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Carbon disulfide | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Carbon tetrachloride | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Chlordane | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Chloroform | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Chromium | 6700 | UG/KG | | 2590 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Cobalt | 6900 | UG/KG | | 1680 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Copper | 15000 | UG/KG | | 7110 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Decane | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Delta-BHC | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Dieldrin | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Disulfoton | | UG/KG | | | 29 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Dodecane | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Endosulfan I | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Endosulfan II | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Endosulfan sulfate | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Endrin | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Endrin Aldehyde | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Ethyl cyanide | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Heptachlor | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Heptachlor epoxide | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Iron | ****** | UG/KG | | ****** | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Lead | 2600 | UG/KG | | 905 | 40 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Magnesium | ****** | UG/KG | | ****** | 34 | |

| Test Pit | Depth In Feet | Sample No | Collect Date | Compound | Result | Units | Counting Error | Total Error | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Manganese | 310000 | UG/KG | | 64500 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Methoxychlor | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Methyl ethyl ketone | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Methyl parathion | | UG/KG | | | 29 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Methylene chloride | 1 | UG/KG | | | 16 | BL |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Naphthalene | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Nickel | 6100 | UG/KG | | 2340 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Pentachlorophenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Phenol | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Phorate | | UG/KG | | | 29 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Potassium | 630000 | UG/KG | | 401000 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Selenium | | UG/KG | | | 48 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Silver | 3200 | UG/KG | | 916 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Sodium | 320000 | UG/KG | | 146000 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Sulfide | 40000 | UG/KG | | 5710 | 63 | LB |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tetrachloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tetradecane | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tetrahydrofuran | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Thallium | | UG/KG | | | 42 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tin | | UG/KG | | | 34 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Toluene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Toxaphene | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tributyl Phosphate | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Trichloroethene | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Tris-2-chloroethyl phosphate | | UG/KG | | | 19 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Vanadium | 67000 | UG/KG | | 16700 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Vinyl chloride | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Xylenes (total) | | UG/KG | | | 16 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | Zinc | 46000 | UG/KG | | 20800 | 34 | |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | gamma-BHC (Lindane) | | UG/KG | | | 17 | U |
| ETP-3 | 9-10 | B07CB9 | 6/26/93 | m-Cresol | | UG/KG | | | 19 | XU |

# APPENDIX J

# TWO-DIMENSIONAL MODEL RESULTS--PORFLO-3

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9413162.0091

**DON'T SAY IT** --- *Write It!*

DATE: January 20, 1994

TO: Kevin Singleton H6-06

FROM: Niall Kline H0-36

Telephone: 376-8080

cc: John A. Rawlins H0-36
Rich Hirano B5-25

SUBJECT: 216-U-14 DITCH MODELLING

Attached is the final draft, including your revisions, of my write up of numerical modelling performed to date in support of the Groundwater Impact Assessment for the 216-U-14 Ditch. Please do not hesitate to contact me if there are any questions or comments.

9413153.0892

This appendix includes results of some limited numerical modelling of vadose zone flow and transport due to operation of the 216-U-14 Ditch. The numerical modelling effort was complicated by the lack of known input parameters (e.g., source term, chemical and radiological inventory), and the suspected occurrence of preferential pathways.

**Spatial Domain**

The model domain for the 216-U-14 Ditch is taken along the eastern end of the ditch because this portion of the ditch has received most of the wastewater discharge since 1986. The longitudinal stratigraphy beneath the eastern end of the ditch is drawn from logs of wells 299-W19-91, 92 and 93 and is shown in Figure J-1. The thickness of the section is taken to be 2.4 m (8 ft), the base width of the ditch. The idealized representation of the layering in the cross-section is shown in Figure J-2. The model domain includes the approximate locations of the perched water wells (299-W19-91, -92 and -93), and extends vertically from the water table to the approximate bottom of the ditch. The total vertical extent of the model domain is 63.7 m (209 ft).

Each region of (assumed or inferred) homogeneous soil in the domain is called a "zone". Thirteen distinct zones are distinguished in the present model and are denoted by zone numbers 1 through 13 as shown in bold type in Figure J-2. These zones correspond to the "layers" identified in Figure J-1, but are approximated as rectangular regions. Each zone is generally unique in some way, and this is typically reflected in assignment of values for physical properties.

**Physical Properties**

Soil samples from some of the new wells in the vicinity of the 216-U-14 Ditch provide the basis for estimating values for some of the physical properties represented in the numerical model. Fitted wetting and drying curves describing the relationship between matrix potential and volumetric moisture content based on the van Genuchten (1978) formulation are shown for six samples in Figures J-3 through J-8. Associated unsaturated hydraulic conductivity is calculated from the Mualem (1976) theory. Assignment of the hydraulic parameter values from discrete sample points to material property zones in the model is summarized in Table J-1. Assignment of sample properties to zones is generally performed by matching sample textural descriptions to textural descriptions of the zones. For the present case, samples from new boreholes in the vicinity of the ditch which have been analyzed for hydraulic properties are generally representative of the lower units in the model. For the upper layers of the model domain (upper Hanford formation), some property assignments have been reused from the modelling reported in the groundwater impact assessment report recently prepared for the nearby 216-U-17 Crib (Reidel et al., 1993). All of the new data shown in Table J-1 is taken from Figures J-3 through J-8. Otherwise the sample data is available from Connelly et al. (1992).

Saturated volumetric moisture content during soil wetting and residual volumetric moisture content for all zones are displayed in Table J-2. These parameters are not input directly to the numerical model, but are used to

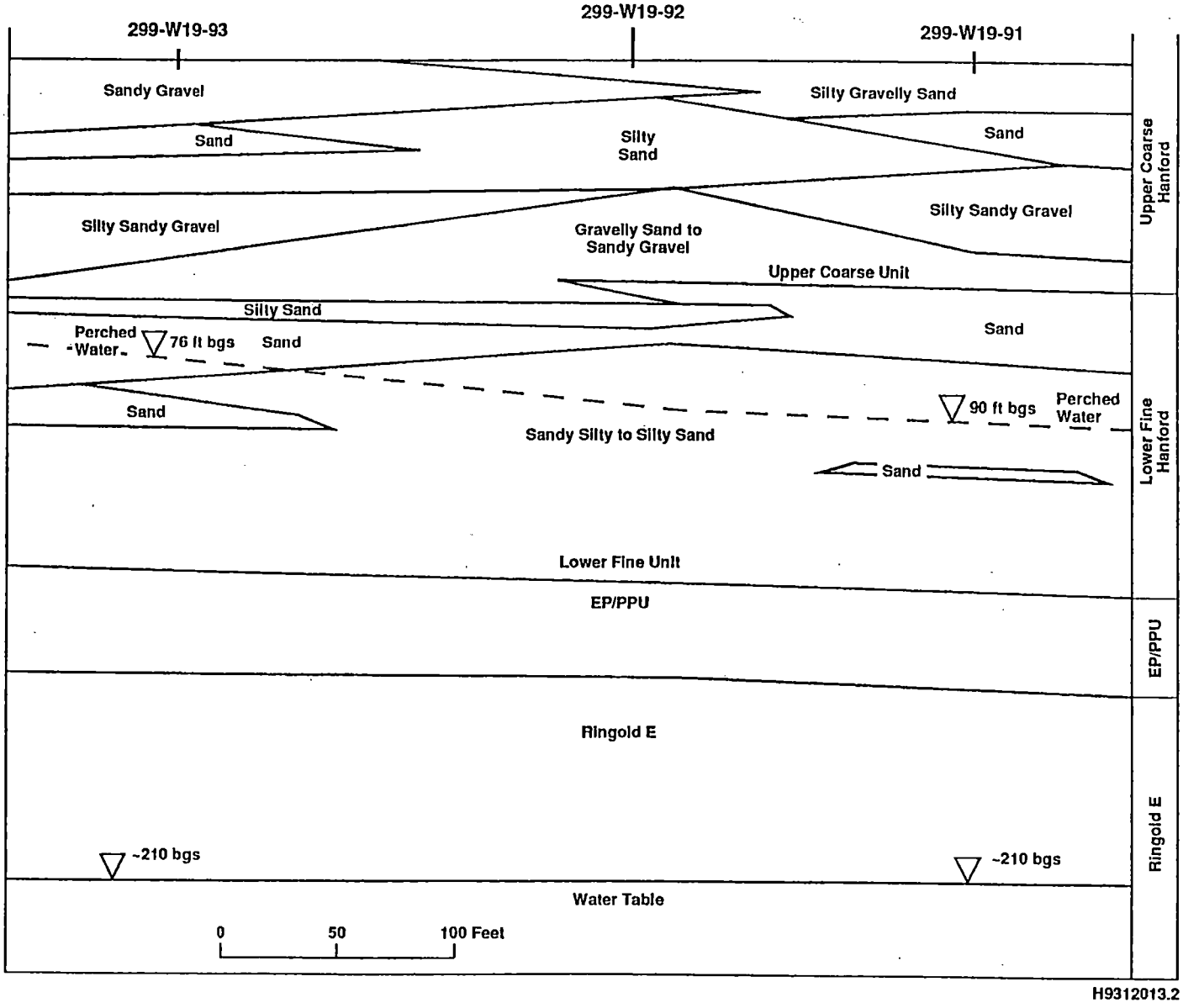
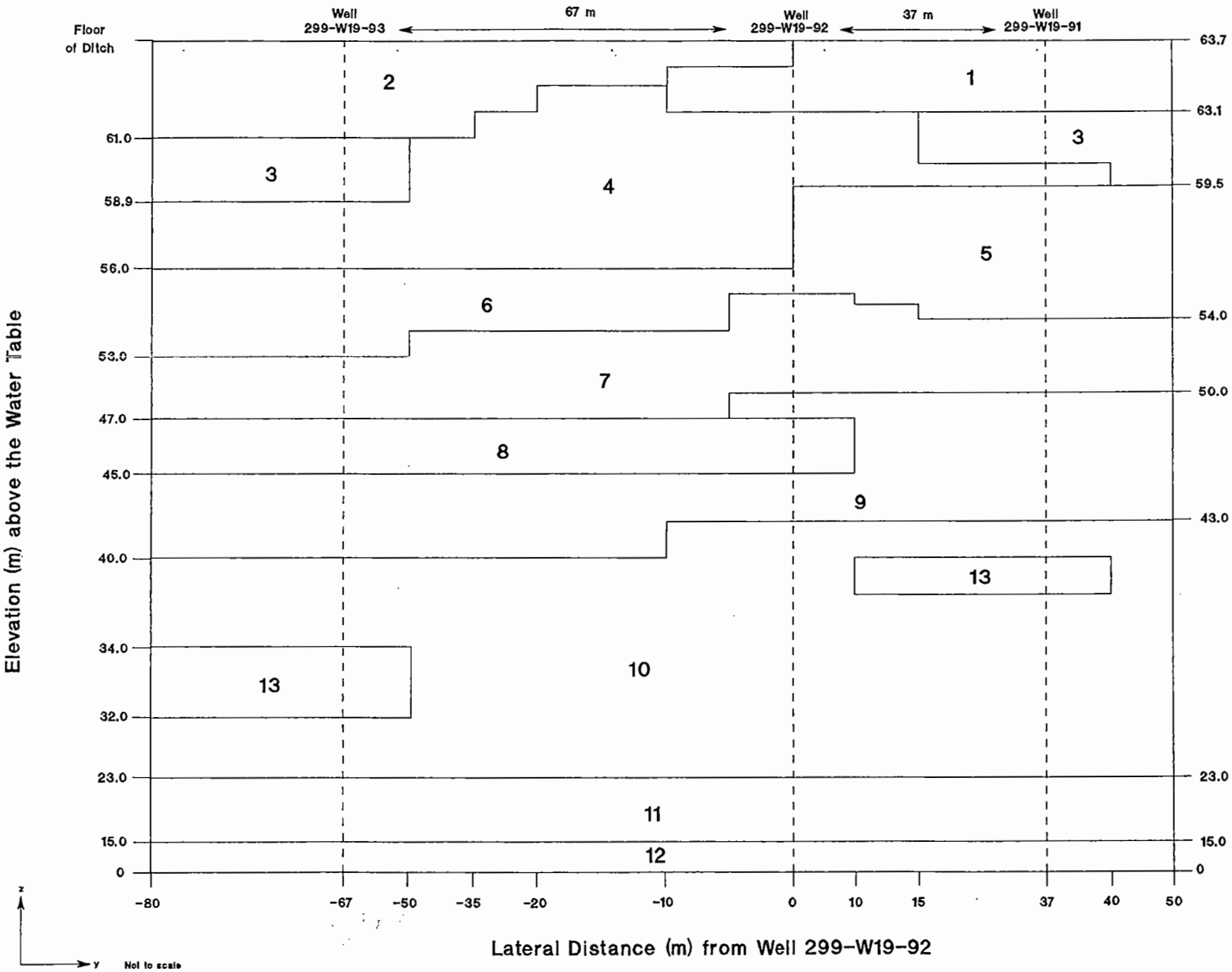



Figure J-1. Stratigraphy Beneath the 216-U-14 Ditch in Wells 299-W19-91, 299-W19-92, and 299-W19-93.

Figure J-2. Idealized Longitudinal Cross-Section of Stratigraphy Beneath the 216-U-14 Ditch at Wells 299-W19-91, 299-W19-92, and 299-W19-93.






9413153.0895

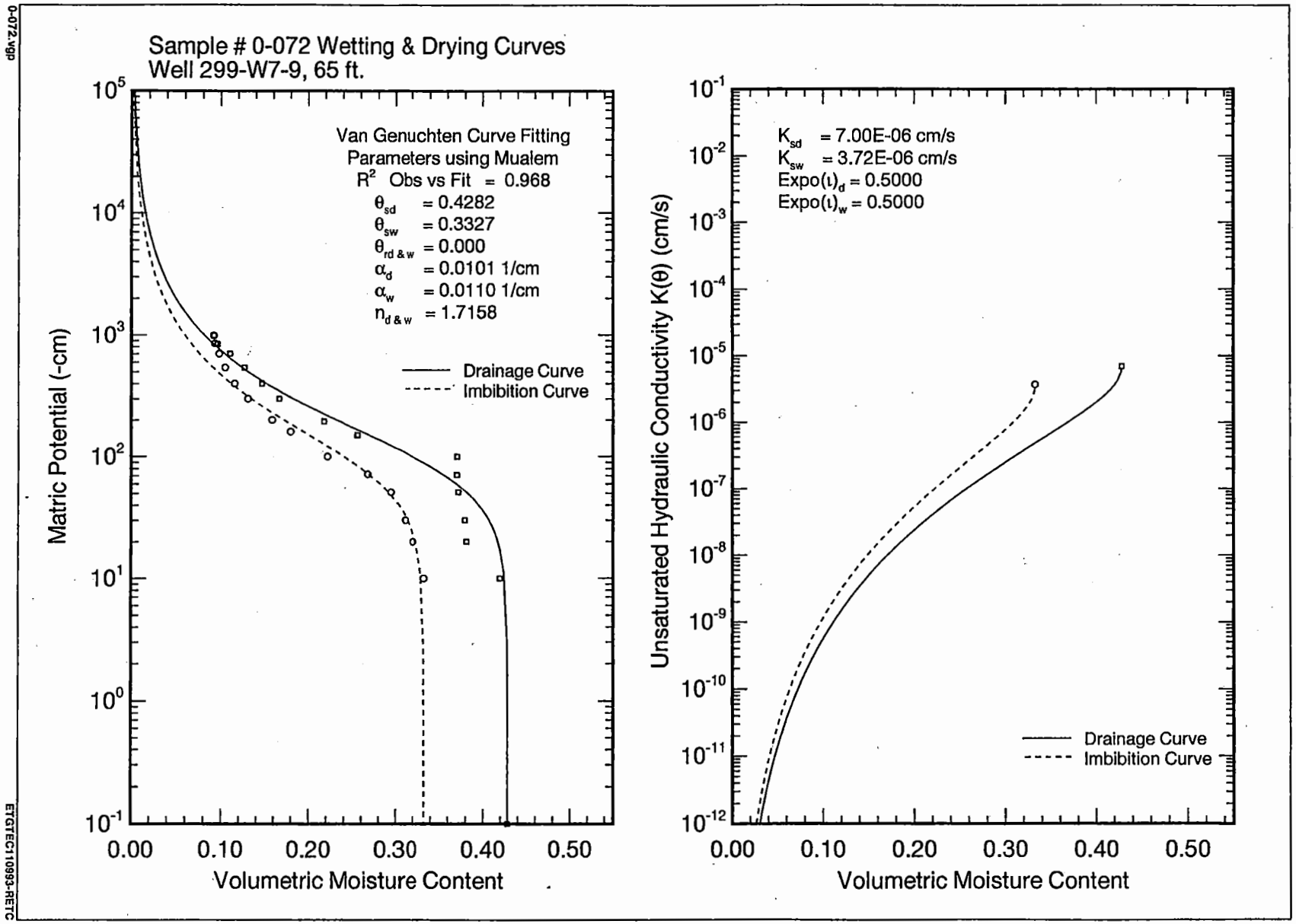



Figure J-3. Moisture Characteristic Curves Zones 5 and 6.

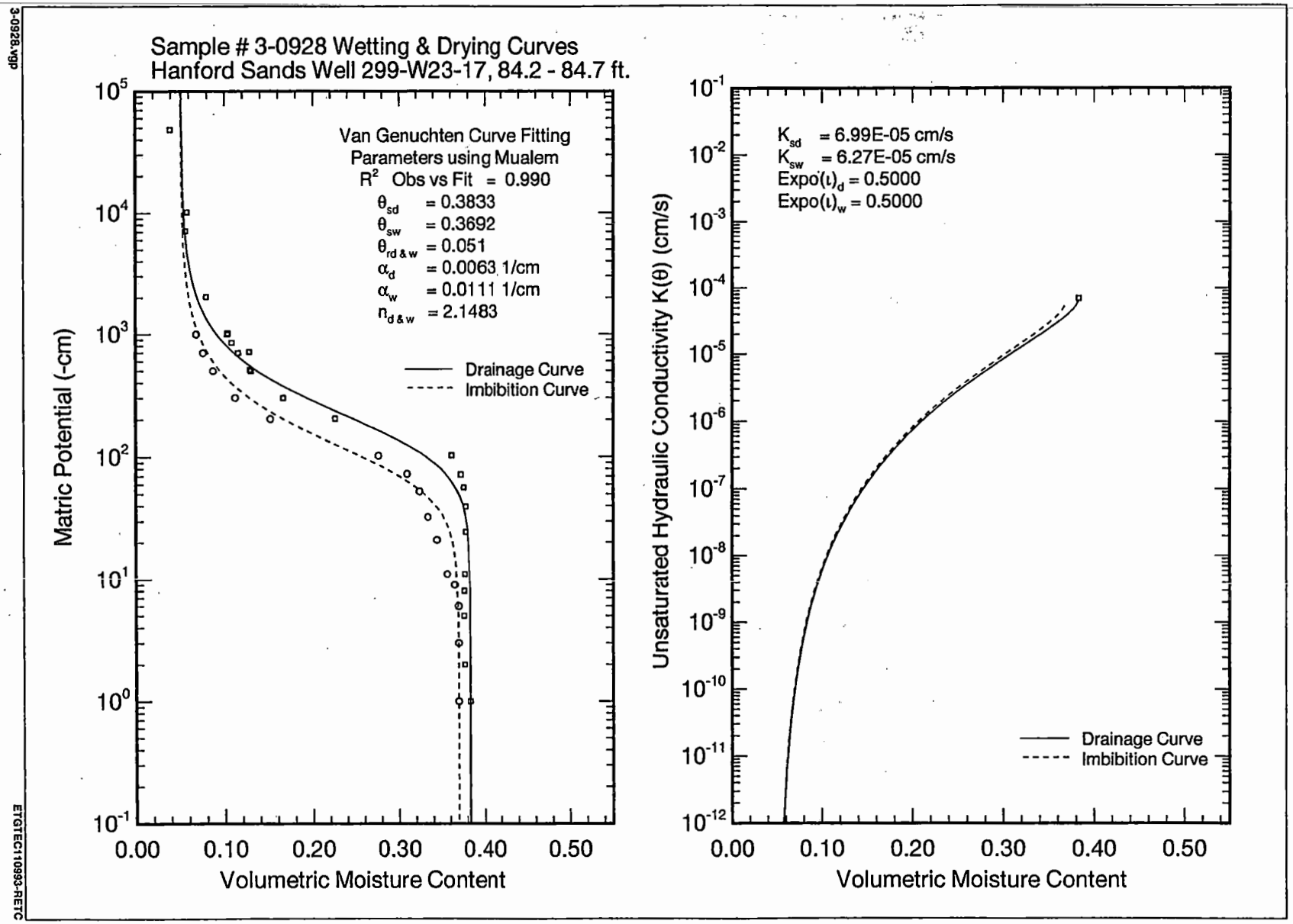



Figure J-4. Moisture Characteristic Curves Zones 8.

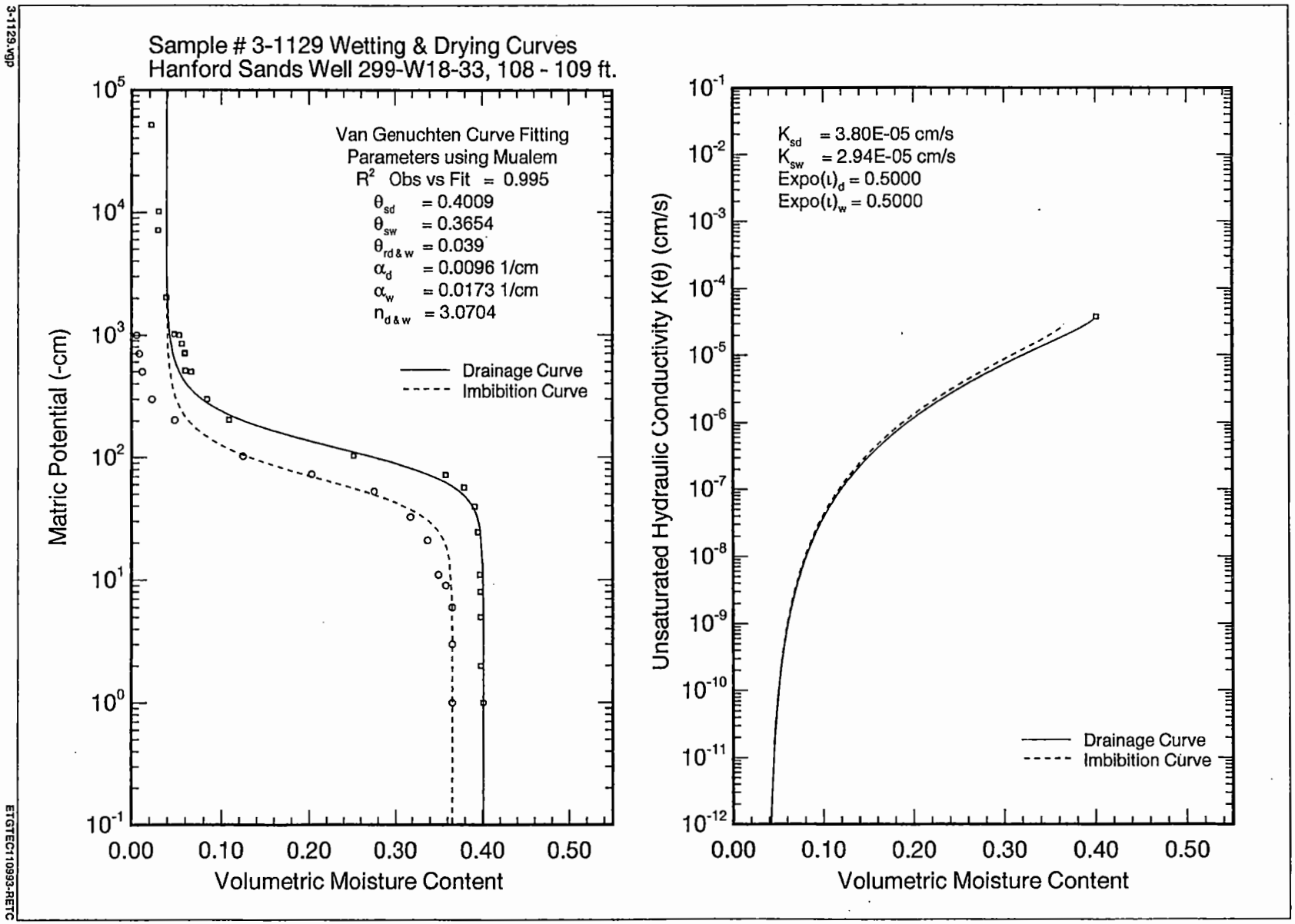



Figure J-5. Moisture Characteristic Curves Zones 9.

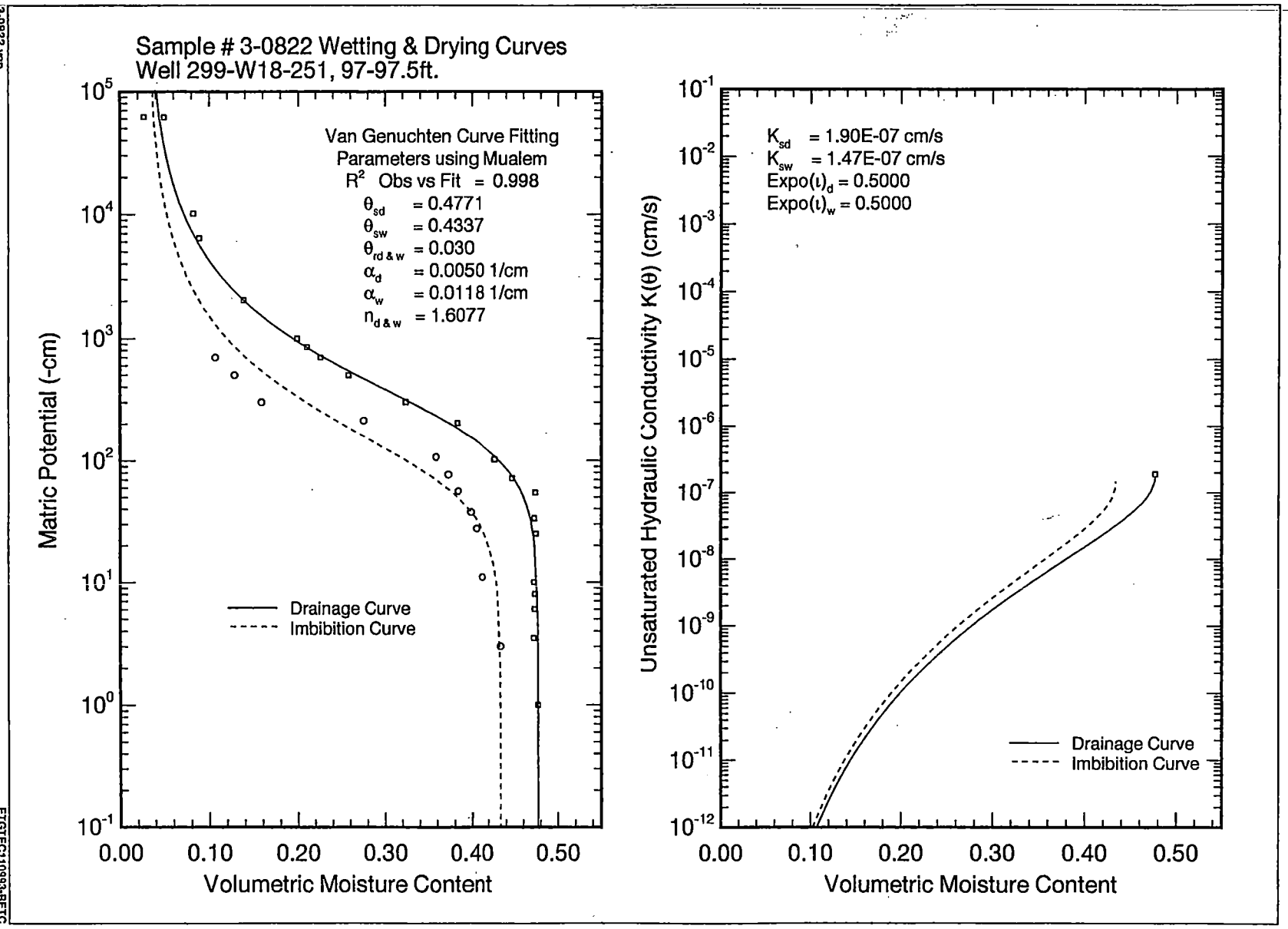



Figure J-6. Moisture Characteristic Curves Zones 10.

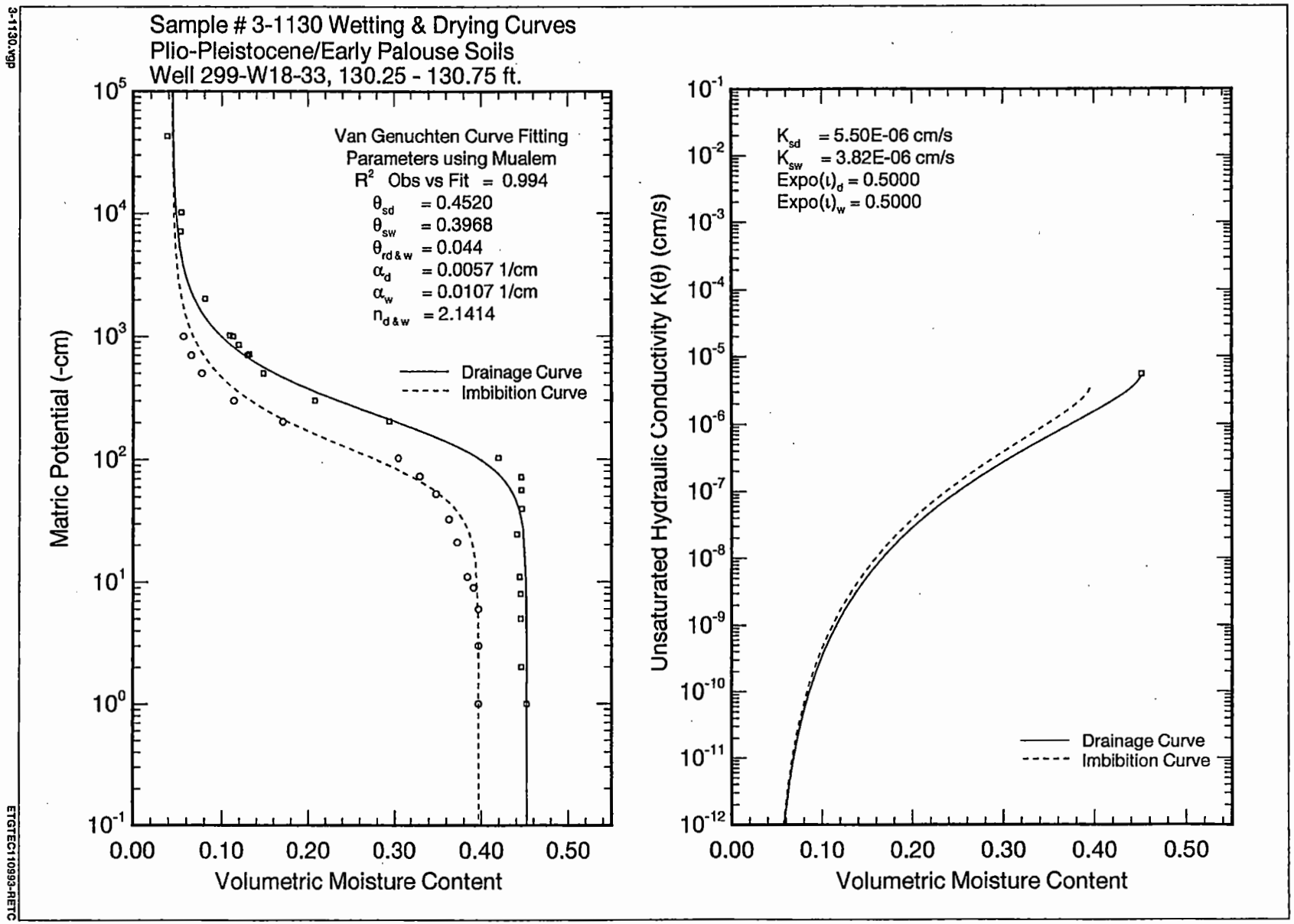



Figure J-7. Moisture Characteristic Curves Zones 11.

Figure J-8. Moisture Characteristic Curves Zones 12.

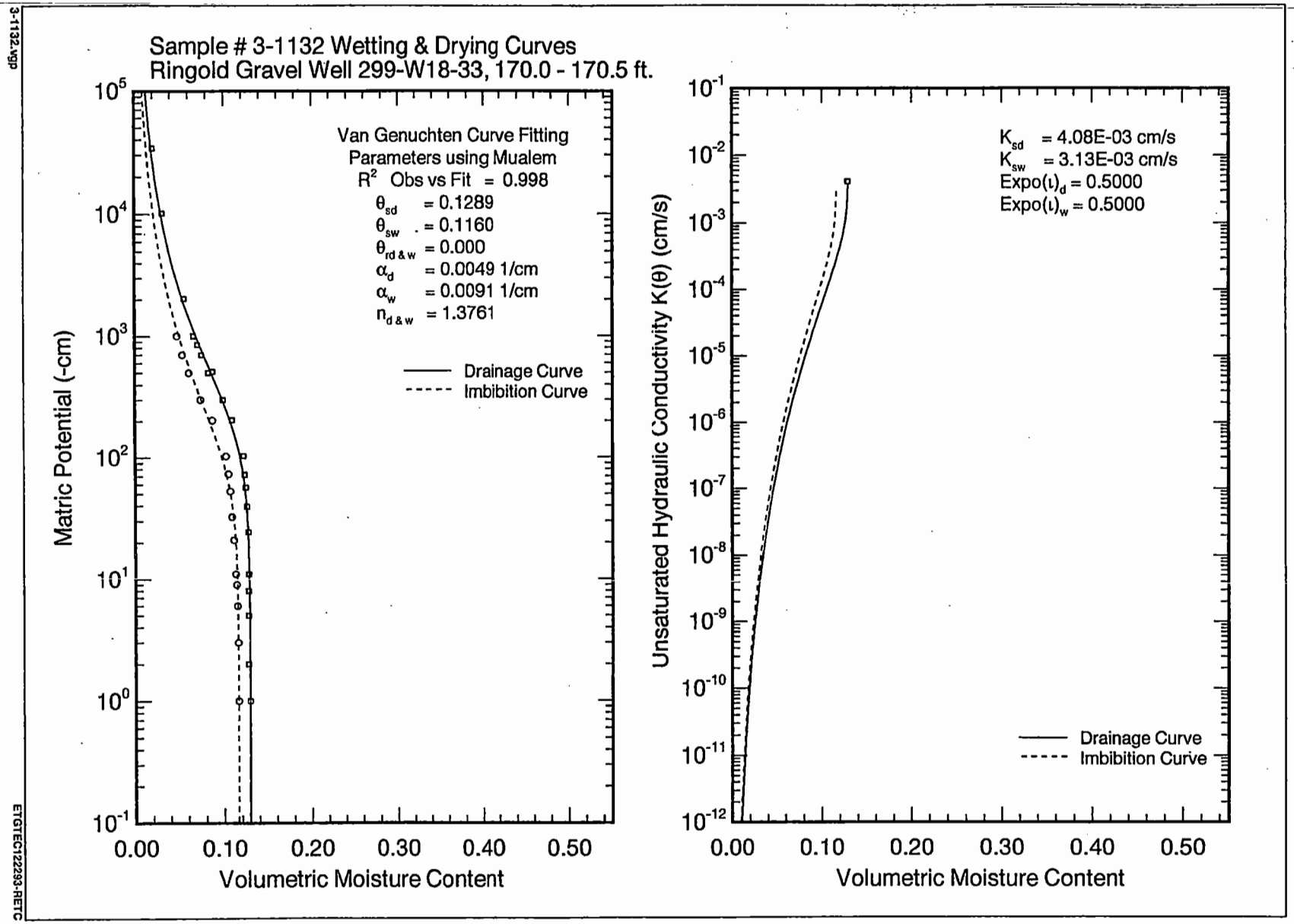


Table J-1. Hydraulic Properties for 216-U-14 Ditch Model

| Zone | Borehole | Depth (m) | Sample | $\alpha$ (m) | n | $K_{sat}$ (m/yr) | Wetting/ Drying | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | 299-W10-13 | 18.3 | 0-169 | 0.1287 | 1.6829 | 0.72 | W | U-17 Zone 2 |
| 2 | 299-W10-13 | 24.4 | - | 0.0359 | 1.3713 | 8520.6 | D | U-17 Zone 4 |
| 3 | 299-W10-13 | 18.3 | 0-169 | 0.1287 | 1.6829 | 0.72 | W | U-17 Zone 2 |
| 4 | 299-W10-13 | 12.2 | 0-168 | 0.1295 | 2.4706 | 1.22 | W | |
| 5 & 6 | 299-W7-9 | 19.8 | 0-072 | 0.9091 | 1.7158 | 1.17 | W | Figure 5-3 |
| 7 | 299-W10-13 | 24.4 | - | 0.0359 | 1.3713 | 8520.6 | D | U-17 Zone 4 |
| 8 | 299-W23-17 | 25.7 | 3-0928 | 0.9009 | 2.1483 | 19.79 | W | Figure 5-4 |
| 9 | 299-W18-33 | 33.1 | 3-1129 | 0.578 | 3.0704 | 9.28 | W | Figure 5-5 |
| 10 | 299-W18-251 | 29.6 | 3-0822 | 0.8475 | 1.6077 | 0.05 | W | Figure 5-6 |
| 11 | 299-W18-33 | 39.8 | 3-1130 | 0.9346 | 2.1414 | 1.21 | W | Figure 5-7 |
| 12 | 299-W18-33 | 51.9 | 3-1132 | 1.0989 | 1.3761 | 987.8 | W | Figure 5-8 |
| 13 | 299-W15-2 | 30.5 | 0-170 | 0.0943 | 1.4734 | 39.5 | W | U-17 Zone 8 |

Table J-2. Volumetric Moisture Content for 216-U-14 Ditch Model

| Zone | Wetting Saturation ($\theta_{sat}$) | Residual ($\theta_{res}$) |
|---|---|---|
| 1 | 0.1931 | 0.023 |
| 2* | 0.4955 | 0.102 |
| 3 | 0.1931 | 0.023 |
| 4 | 0.2539 | 0.062 |
| 5 & 6 | 0.3327 | 0 |
| 7* | 0.4955 | 0.102 |
| 8 | 0.3692 | 0.051 |
| 9 | 0.3654 | 0.039 |
| 10 | 0.4337 | 0.030 |
| 11 | 0.3968 | 0.044 |
| 12 | 0.1160 | 0 |
| 13 | 0.2274 | 0.041 |

* Zones 2 and 7 are represented by drying curve data.

infer porosity. Total porosity is taken to be the same as saturated volumetric moisture content. Porosities used in the numerical model are shown in Table J-3.

Table J-3 also contains estimates of bulk density for zones with properties that are reused from the recent analysis of flow from the 216-U-17 Crib. In the absence of an estimate of bulk density, the default value used in the numerical model is 2,000 kilograms per cubic meter.

## Initial and Boundary Conditions

Initial soil moisture tension prior to discharges to the ditch is estimated from the wetting curves and is shown along with initial volumetric moisture content, by zone, in Table J-4. These initial flow conditions are based on a soil moisture recharge rate of q=10 cm/yr (4 in./yr) due to net infiltration of precipitation from ground surface, and an assumed unit hydraulic gradient. Although the assumed recharge rate of q=10 cm/yr (4 in./yr) might be high, it is a modelling convenience in minimizing adverse computational effects from the nonlinear unsaturated (Richard's) flow equation. Moreover, it is very small compared to the discharges to the ditch and is not considered significant.

Boundary conditions are very similar to those used for the recent 216-U-17 Crib model (Reidel et al. 1993), and are summarized in Figure J-9. Distinguishing features here are that the model domain is restricted to the vadose zone, and the entire top surface of the model (at z=63.7 m [209 ft] above the water table) is overlain by the ditch floor and receives effluent. The north end boundary at y=50 m (162 ft) is intended to allow some drainage while symmetry is imposed at the south end (at y=-80 m [262 ft]). The "front" and "back" faces of the cross-sectional slice are also assigned the leaky boundary condition for flow, which is unique to the PORFLO-3 code (Runchal et al. 1992) used to implement the model.

## Results and Discussion

Starting from the above described conditions, and simulating steady state flow at the initial recharge rate of q=10 cm/yr (4 in./yr) to smooth the constant initial pressure heads (Table J-4) into a differentiable head field from which to start transient flow, the two dimensional moisture distribution shown in Figure J-10 is obtained. Development of the large saturated (perched water) zone in the lower Hanford formation fines with recharge at 10 cm/yr (4 in./yr) is obvious from the hydraulic properties listed in Table J-1. The saturated hydraulic conductivity assigned to the main layer of the lower Hanford formation (zone 10) is 5 cm/yr (2 in/yr). Some of the other zones (e.g. zones 1, 3, 4, 5, and 6) also have relatively low saturated hydraulic conductivities. Given the typical high rates of discharge to the ditch, the sediment column is virtually saturated. The "leaky" boundary conditions on the front and back faces allow some outflow at saturation, but the amount is probably insignificant compared to actual lateral flow. If the hydraulic conductivity assignments are reasonable, then flow transverse to the ditch must admit nearly all of the flux from the ditch laterally through the layering (high anisotropy). If the effective hydraulic conductivity of the

Table J-3. Soil Properties for 216-U-14 Ditch Model

| Zone | Effective Porosity ($\phi_e$) | Total Porosity ($\phi_t$) | Diffusive Porosity ($\phi_b$) | Bulk Density ($kg/m^3$) |
|---|---|---|---|---|
| 1 | 0.17 | 0.193 | 0.193 | 1800 |
| 2 | 0.394 | 0.496 | 0.496 | 2200 |
| 3 | 0.17 | 0.193 | 0.193 | 1800 |
| 4 | 0.192 | 0.254 | 0.254 | |
| 5 & 6 | 0.333 | 0.333 | 0.333 | |
| 7 | 0.394 | 0.496 | 0.496 | 2200 |
| 8 | 0.318 | 0.369 | 0.369 | |
| 9 | 0.326 | 0.365 | 0.365 | |
| 10 | 0.404 | 0.434 | 0.434 | |
| 11 | 0.353 | 0.397 | 0.397 | |
| 12 | 0.116 | 0.116 | 0.116 | |
| 13 | 0.186 | 0.227 | 0.227 | 1800 |

9413153.0905

Table J-4. Initial Soil Moisture and Head Conditions Based on 10 cm/yr Recharge Rate

| Zone | $\theta$ | $\Psi$ (m) |
|---|---|---|
| 1 | 0.17 | -0.09 |
| 2 | 0.22 | -0.90 |
| 3 | 0.17 | -0.09 |
| 4 | 0.19 | -0.15 |
| 5 & 6 | 0.26 | -0.80 |
| 7 | 0.22 | -0.90 |
| 8 | 0.17 | -2.0 |
| 9 | 0.15 | -0.90 |
| 10 | 0.43 | -0.05 |
| 11 | 0.29 | -1.0 |
| 12 | 0.05 | -8.5 |
| 13 | 0.14 | -0.35 |

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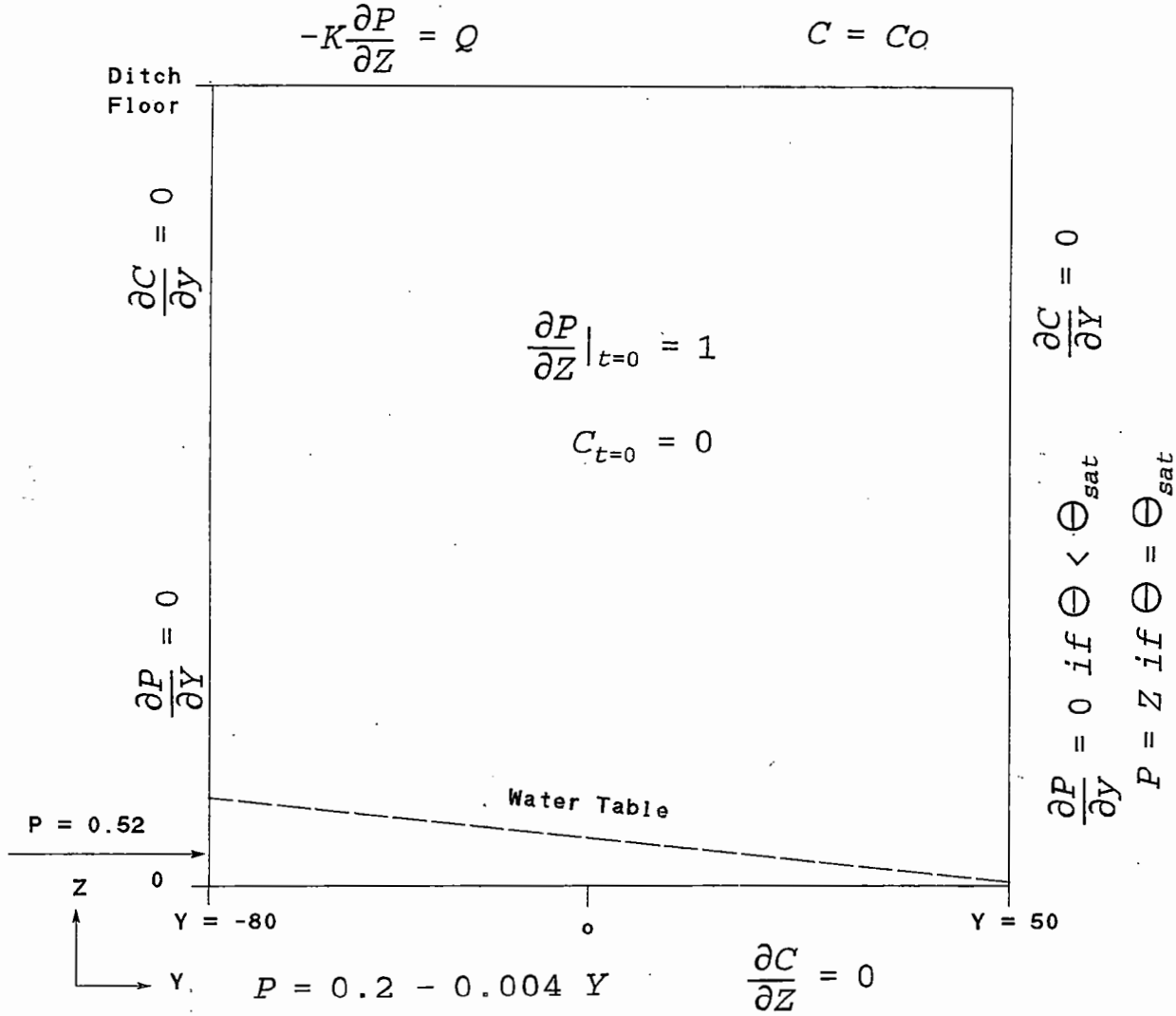
Figure J-9. Summary of Boundary Conditions for the 216-U-14 Ditch.



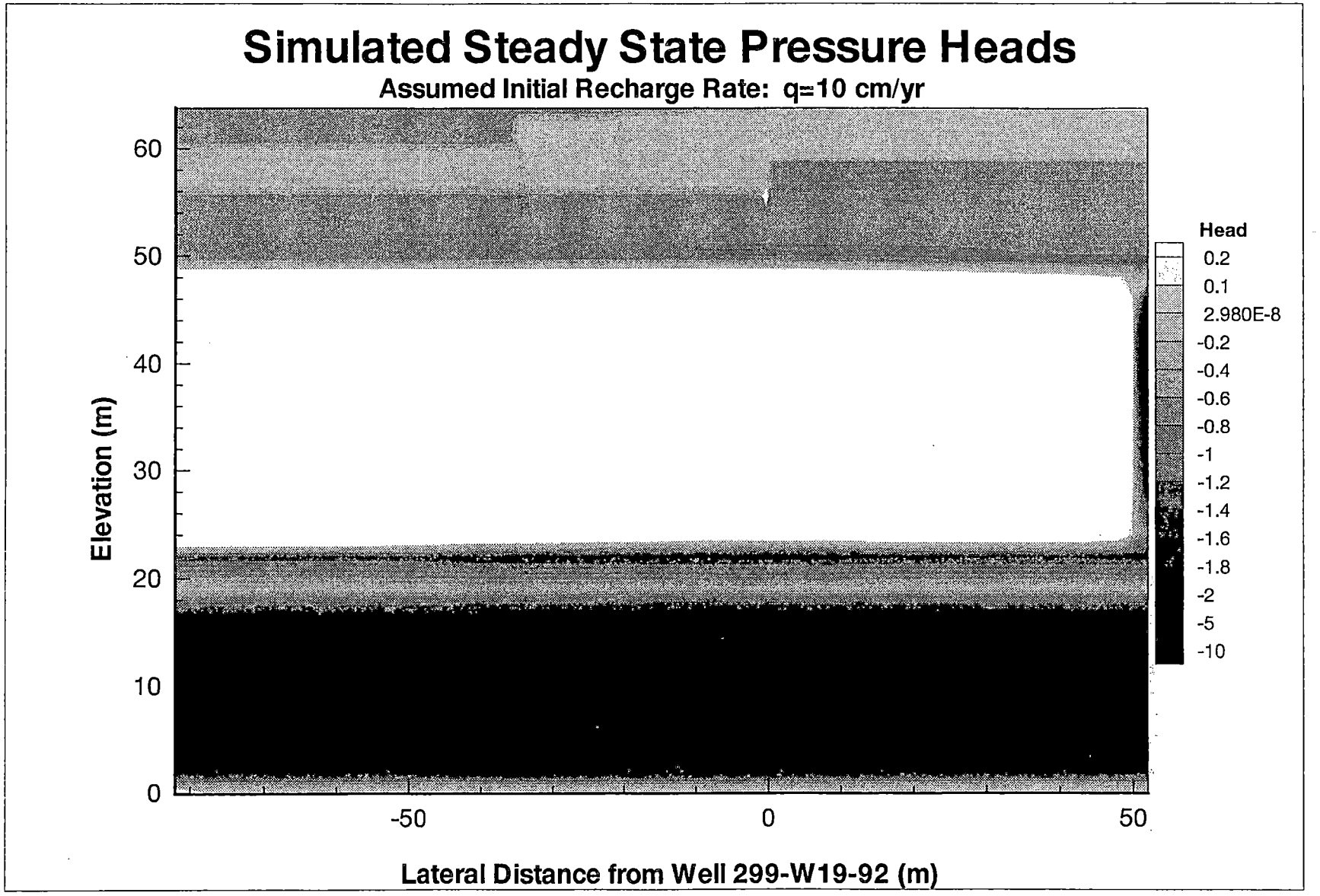



Figure J-10. Simulated Steady State Pressure Heads.

soil column is much greater than that represented in the model, then the perched water zone would not be as prominent, as demonstrated by field data, or might not develop at all. The assigned conductivities were the best available estimates at the time the simulations described herein were run.

As depicted in Figure J-10, the simulation was continued by first allowing the model to drain to a new steady state at a more representative recharge rate of q=1 cm/yr (0.4 in./yr) and then starting at the beginning of discharges to the ditch in 1944. From 1944 to 1986 the average infiltration through the ditch floor to the soil column is taken to be 5 gal/ft$^2$/day. Although delivery to the soil column is more accurately represented by a sequence of pulses, the net effect of the sequence of pulses is a wetting front that moves indistinguishably from a wetting front driven by the constant average discharge (Reidel et al. 1993). Since contaminant discharge histories are incomplete, transport of dissolved conservative (non-decaying, non-sorbing) species is modelled as relative concentration ($C/C_o$). This provides breakthrough times, travel times, and peak relative concentrations, and is performed by simply setting unit concentration at the top boundary (i.e., $C_o$=1 in Figure J-9). The coefficient of molecular diffusion is taken to be 0.03 m$^2$/yr (0.32 ft$^2$/yr), and the longitudinal and transverse dispersivities are set to 1 m (3.3 ft) and 10 cm (3.9 in.), respectively.

In 1986 the fluid discharge rate to the soil column is increased due to shortening of the ditch, and in the model this is represented by a step change in the top boundary condition from 5 to 42 gal/ft$^2$/day. At the same time, introduction of contaminant to the soil column through the ditch is assumed to stop. After 1995, fluid discharges to the ditch are also assumed to stop. The model runs as far as the year 2025 to allow visualization of the penetration of moisture and the fate of relative contaminant concentration. Since contaminant mass transport is dominated by advection in the model, the sequence of relative concentration contour plots shown in Figures J-11 through J-15 are sufficient to summarize the results of both flow and transport. Figure J-11 shows the effect of the constant uniform driving force from 1944 through 1986. The irregularity along the leading ("bottom") edge of the plume in Figure J-11 is due to changes in physical properties at zone boundaries (Figure J-2). Figure J-12 shows the approximate present distribution of relative concentration, generally with center of mass vertically in the Hanford formation gravels, after several years of flushing at the elevated infiltration rate without further introduction of contaminant. Figures J-13 through J-15 show the dissipating plume in 1995 when discharges cease and the subsequent more gradual dissipation thereafter.

Time history of simulated relative saturation at selected elevations near the approximate location of well 299-W19-92 is shown in Figure J-16. The elevated discharge rate from 1986 to 1995 is clearly reflected in Figure J-16 by the curve at z=55.5 m ("dash dot" curve), which is about eight meters beneath the ditch floor. Response in the Early Palouse/Plio-Pleistocene (EP/PP) however is much slower as shown by the curve at z=16 m ("dash dot dot" curve). Indeed, Figure J-16 indicates the start up of discharge to the ditch does not cause an appreciable increase in relative saturation in the EP/PP for almost forty years, and response to the increased discharge rate from 1986 to 1995 in the EP/PP does not occur before the year 2025. The transport time of contaminants with $K_d$s > 0 would be even longer, suggesting most of the

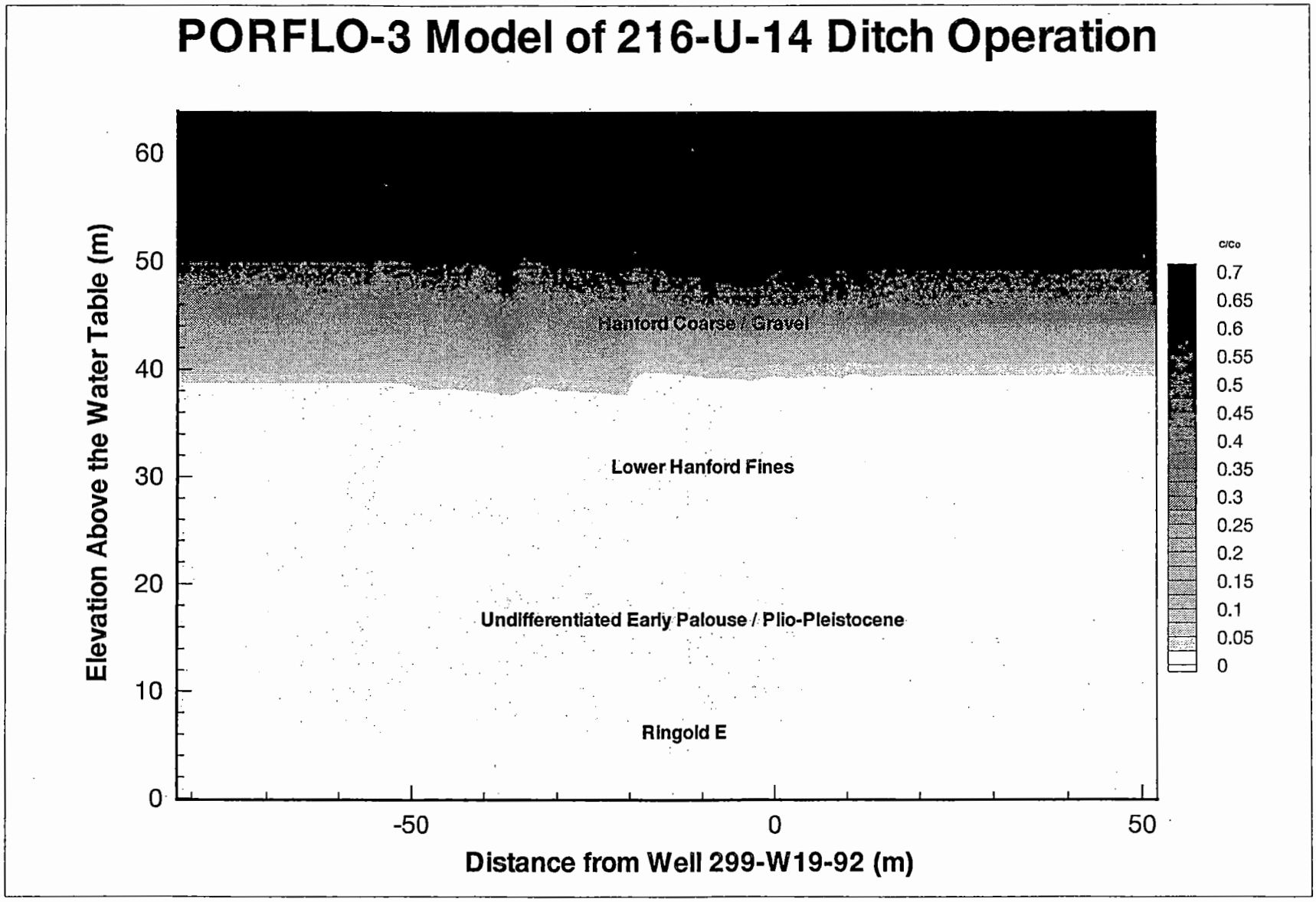
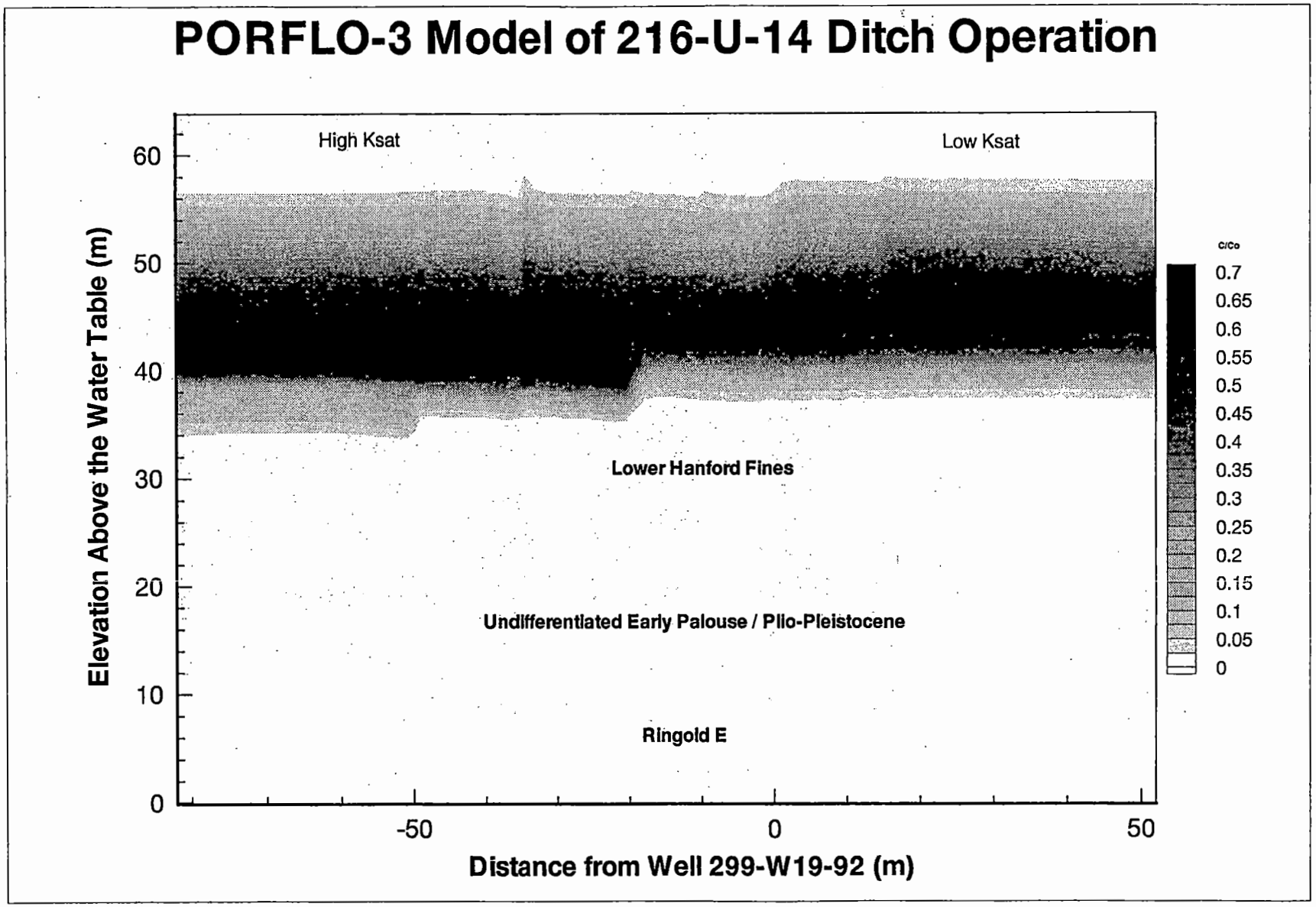



Figure J-11. Simulated Relative Concentration of Conservative Species Under the Ditch in 1986.

Figure J-12. Simulated Relative Concentration of Conservative Species Under the Ditch in 1993.



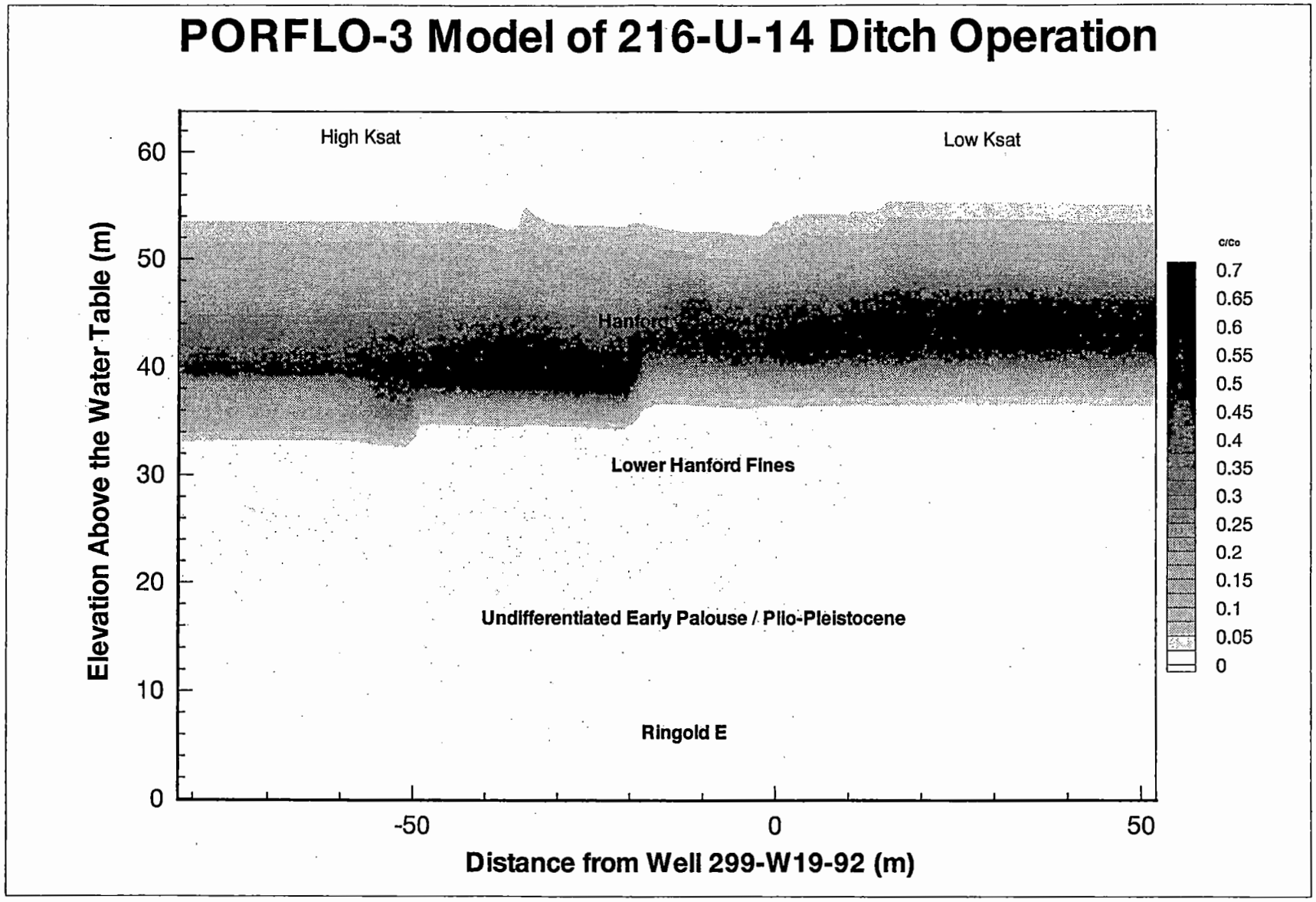



Figure J-13. Simulated Relative Concentration of Conservative Species Under the Ditch in 1995.

Figure J-14. Simulated Relative Concentration of Conservative Species Under the Ditch in 2005.

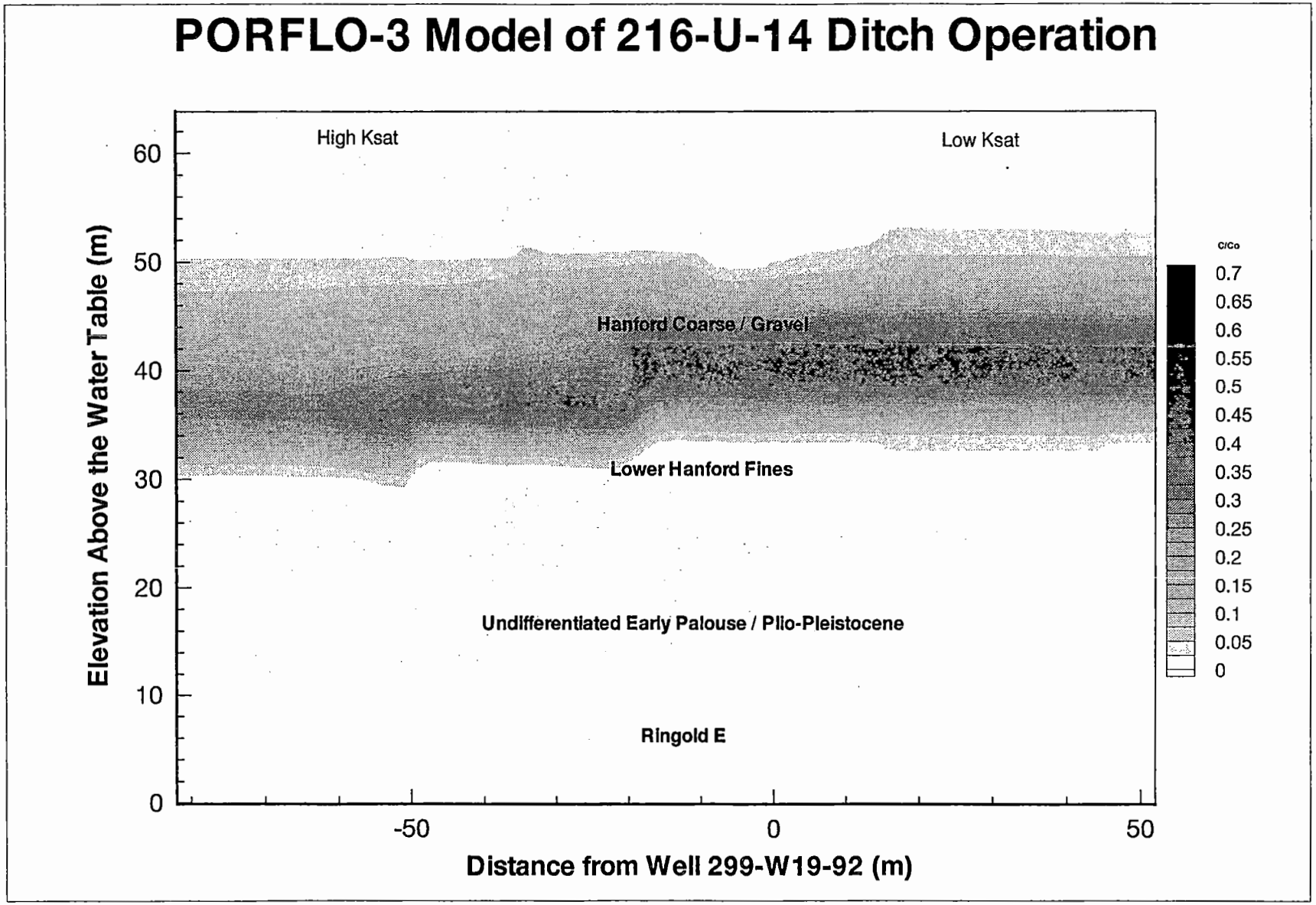
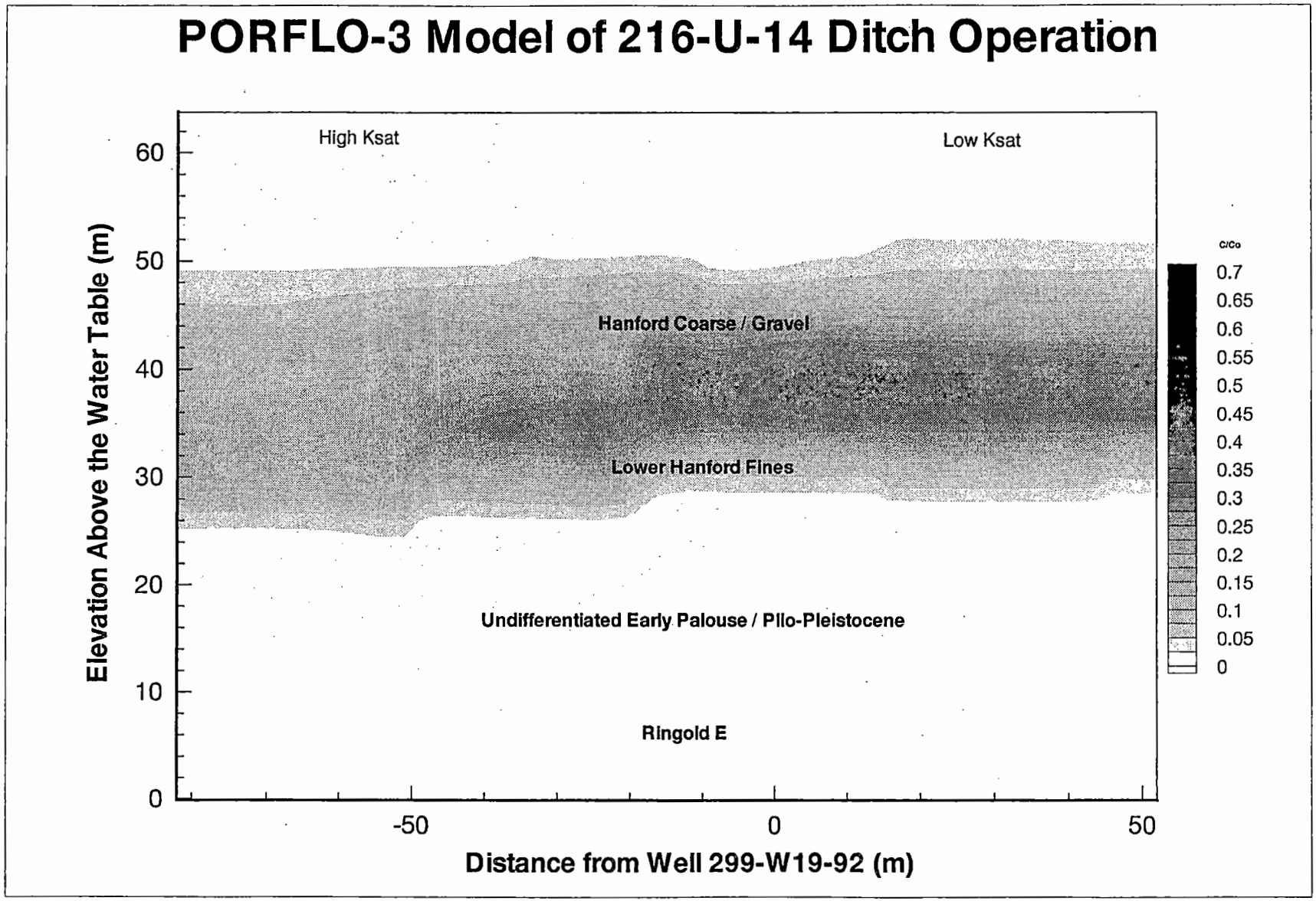


Figure J-15. Simulated Relative Concentration of Conservative Species Under the Ditch in 2025.



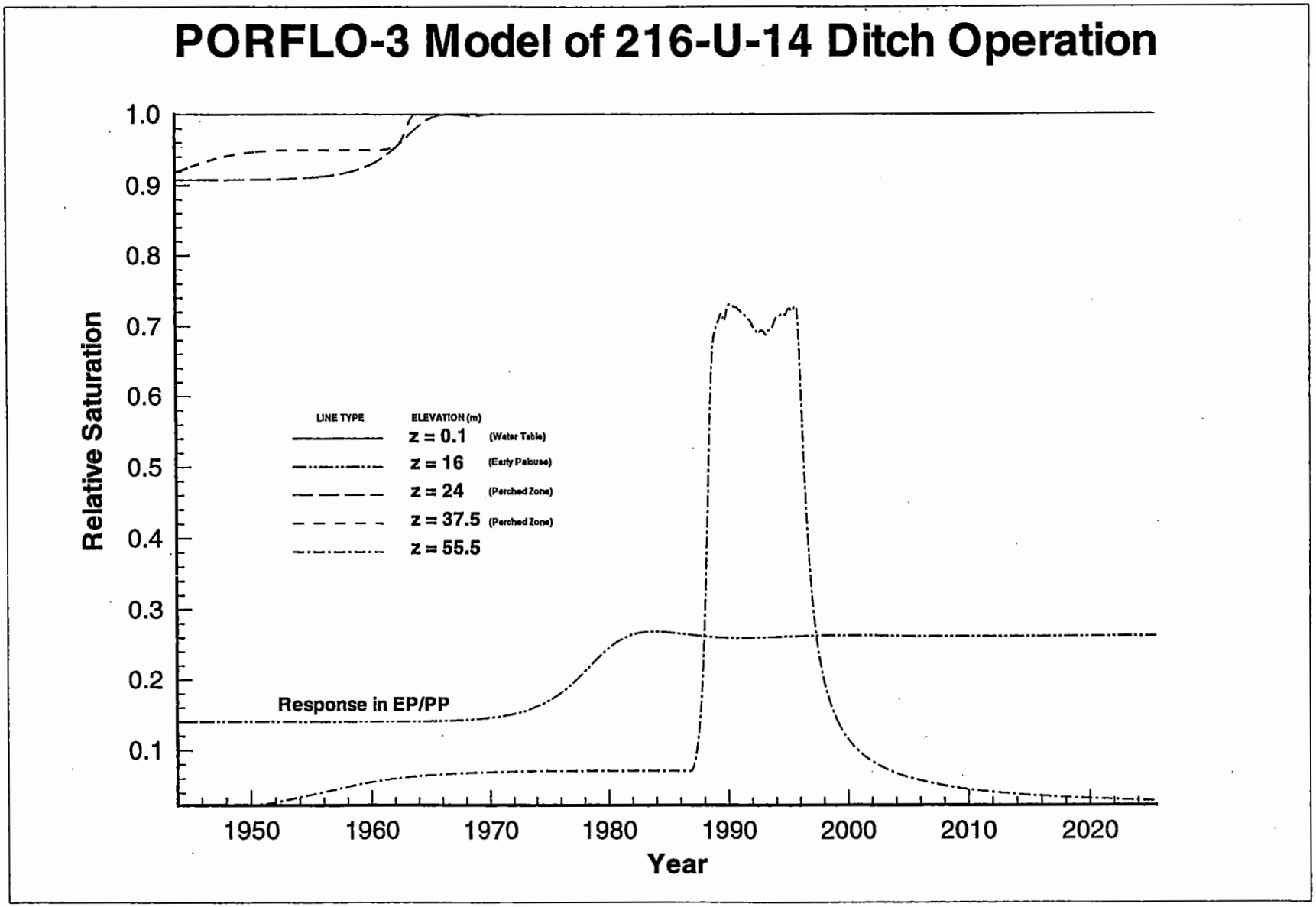



Figure J-16. Simulated Relative Saturation--Time Histories at Selected Elevations Near Well 299-W19-92.

contaminants of concern would be retained in the soil column above the EP/PP elevation. However, the existence of poorly sealed well casings or natural vertical pathways could result in localized breakthrough to groundwater.

The anisotropy induced by the layering should also be noted. In particular, the lower Hanford formation fines (zone 10) cause a lateral diversion of flow through the highly conductive overlying Hanford formation gravels (assuming the saturated hydraulic conductivity of 5 cm/yr assigned to this layer is appropriate for the fine sand, silt and clayey silt layers comprising the lower Hanford fines).

Of special note are model modifications implemented to accommodate the pronounced lateral flow over the lower Hanford formation fines and out of the overlying gravels. First, the boundaries around the perched water zone were set to prescribed total head (equal to elevation above the water table) for the duration of discharges through the ditch. Otherwise the boundary conditions are as discussed previously. Secondly, anisotropy of magnitude 1000 was used assuming that only one in one thousand parts of the fluid infiltrating through the ditch floor constituted vertical flow; 99.9 percent of the fluid was assumed to flow out of the sides of the model and only 0.1 percent of the assumed infiltration rate from 1944 to 1995 was assumed to flow down through the 8-foot thick planar slice that constitutes the model domain. Justification of this 2-D approach is provided in Figure J-17, which shows similar response in the EP/PP *with no assumed anisotropy* (100% of assumed driving forces). For the latter (fully isotropic) case, response in the upper units is faster, but not in the lower units because of the impedance to downward vertical flow due to the lower Hanford formation fines; the net effect is greater (lateral) outflow through the Hanford formation gravels. In fact, in the latter case the hydraulic gradients became so steep as to necessitate time steps so small that the simulation finally terminated around 1980 (before the step increase in discharge rate).

**Conclusions**

The development of a perched water layer in the Hanford formation suggested by the PORFLO-3 model simulations (Figures J-13 through J-17), is in general consistent with observations summarized in the conceptual model (Section 4.8). However, the observed perched water distribution is less extensive and more irregular than implied by the modeling results. This may be because the PORFLO-3 simulations assume 1) laterally continuous sedimentary layers and 2) homogeneous hydraulic conductivities within each layer; i..e, preferential pathways are not accounted for. Indeed, the occurrence of less extensive perched water than predicted is indirect evidence for the existence of preferential pathways.

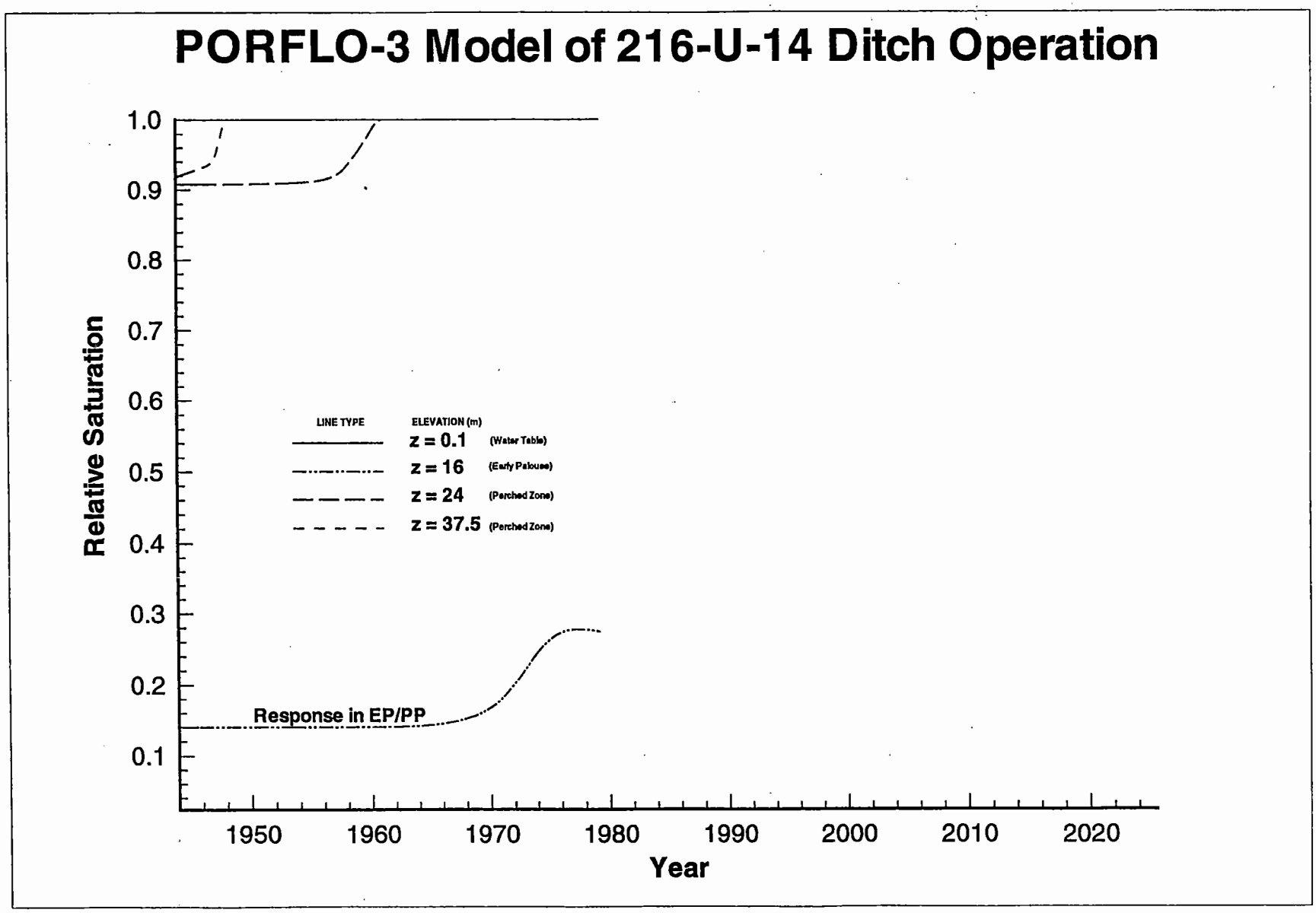



Figure J-17. Simulated Relative Saturation Assumed Isotropy--Time Histories at Selected Elevations Near Well 299-W19-92.

## References

Connelly, M. P., B. N. Bjornstad, B. H. Ford, S. J. Trent, and C. D. Wittreich, 1992, *Hydrogeologic Model for the 200 West Groundwater Aggregate Area*, WHC-SD-EN-TI-014, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Mualem, Y., 1976, *A New Model for Predicting the Hydraulic Conductivity of Unsaturated Porous Media*, Water Resources Research, Vol. 12, No. 3, pp. 513-522.

Reidel, S. P., V. G. Johnson, and N. W. Kline, 1993, *Groundwater Impact Assessment for the 216-U-17 Crib, 200 West Area*, WHC-EP-0664, Westinghouse Hanford Company, Richland, Washington.

Runchal, A. K., B. Sagar, and N. W. Kline, 1992, *PORFLO-3: A Mathematical Model for Fluid Flow, Heat, and Mass Transport in Variably Saturated Geologic Media. Users Manual, Version 1.2*, WHC-EP-0385, Westinghouse Hanford Company, Richland, Washington.

van Genuchten, R., 1978, *Calculating the Unsaturated Hydraulic Conductivity with a New Closed-Form Analytic Model*, Report 78-WR-08, Water Resources Program, Department of Civil Engineering, Princeton University, Princeton, New Jersey.

WHC, 1990, *Liquid Effluent Study Final Project Report*, WHC-EP-0367, Westinghouse Hanford Company, Richland, Washington.

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