DOE/OR/01-1484&D1

ORNL/M--5204

**Annual Report on Environmental Monitoring Activities
for FY 1995 (Baseline Year) at Waste Area Grouping 6
at Oak Ridge National Laboratory,
Oak Ridge, Tennessee**

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Energy Systems Environmental Restoration Program

**Annual Report on Environmental Monitoring Activities
for FY 1995 (Baseline Year) at Waste Area Grouping 6
at Oak Ridge National Laboratory,
Oak Ridge, Tennessee**

Date Issued—June 1996

MASTER

Prepared by
Science Applications International Corporation
Oak Ridge, Tennessee
under subcontract 43B-99069C, Y-05

Prepared for the
U.S. Department of Energy
Office of Environmental Management
under budget and reporting code EW 20

Environmental Management Activities at the
OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee 37831-6285
managed by
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
for the
U.S. DEPARTMENT OF ENERGY
under contract DE-AC05-84OR21400

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PREFACE

This report, *Annual Report on Environmental Monitoring Activities for FY 1995 (Baseline Year) at Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee* (DOE/OR/01-1484&D1) was prepared in accordance with requirements specified in the *Environmental Monitoring Plan for Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee* (DOE/OR/01-1192&D2) and requirements of the Federal Facilities Agreement as mandated in the WAG 6 Record of Agreement dated June 23, 1994. This work was performed under Work Breakdown Structure 1.4.12.6.1.06.01.01 (Activity Data Sheet 3306 "WAG 6").

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ABBREVIATIONS

ASO	Analytical Services Organization
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	contract laboratory program
COCs	chemicals of concern
CSL	Close Support Laboratory
DOE	U.S. Department of Energy
DQO	data quality objective
EWB	Emergency Waste Basin
FY95	fiscal year 1995
GWQAR	Ground Water Quality Assessment Report
ICM	interim corrective measures
LLRW	low-level radioactive waste
OREIS	Oak Ridge Environmental Information System
ORNL	Oak Ridge National Laboratory
PCE	tetrachloroethene
PO	primary objective
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SWSA	solid waste storage area
TCE	trichloroethene
TDEC	Tennessee Department of Environment and Conservation
UTL	upper tolerance limit
VOC	volatile organic compound
WAG	Waste Area Grouping
WOD	White Oak Dam

EXECUTIVE SUMMARY

This report presents the results of baseline year monitoring conducted during fiscal year (FY) 1995 at Waste Area Grouping (WAG) 6, Oak Ridge National Laboratory, Oak Ridge, Tennessee. After completion of a Resource Conservation and Recovery Act (RCRA) Facility Investigation, WAG 6 moved into a deferred action monitoring status. "Deferred action" was the chosen alternative for WAG 6 based on information indicating that remediation resources could be better spent addressing the major contributors to contaminant release from the White Oak Creek watershed. At the time, WAG 6 was estimated to contribute <2% to potential risk associated with off-site releases.

Prior to implementing a routine monitoring program at the WAG, it was determined that a reference, or baseline, data set needed to be developed against which changes in contaminant conditions could be compared. Earlier characterization work, although sufficient for understanding the nature of the problem at WAG 6, had not established a statistical baseline at locations identified to be the major contaminant exit points. The baseline year monitoring took place from October 1, 1994 through September 30, 1995, and was designed to provide a statistical basis against which routine monitoring results could be compared. The overall WAG 6 environmental monitoring program was designed to identify if releases from WAG 6 are changing over time, and if remediation resources need to be directed back to the WAG.

Contaminant releases at WAG 6 occur via four flowpaths. The primary contaminant transport pathway occurs through releases to and through the two major surface water drainages at the site. During the baseline year, these drainages were monitored for total flows and flow-proportional contaminant concentrations. A second transport pathway is vertical downward migration from waste sources to the water table, and horizontal migration in the water table interval to White Oak Lake. This pathway was monitored by collecting quarterly samples at shallow wells along the perimeter of the WAG. A third transport pathway, ungaged overland flow, is considered to be a minor contributor to total off-site contaminant migration. Two small drainages along the eastern property boundary were monitored during storms. The final transport pathway, migration through intermediate/deep groundwater to White Oak Lake, was monitored by collecting quarterly samples in deep perimeter wells.

Based on the results of the baseline monitoring, it is estimated that WAG 6 contributes ~5.7% of the potential contaminant risk at White Oak Dam. Most of the risk from WAG 6 is associated with an estimated 7 Ci of tritium (^3H) and 8 μCi of strontium-90 (^{90}Sr) that leaves the site. This is slightly higher than some previous estimates, but similar to estimates made using data collected in 1994. Precipitation in the watershed was 25.5 inches for January through June 1995, or approximately 9% lower than the 30-year normal value measured at NOAA in Oak Ridge. One reason for the increase in WAG 6 relative risk may be the impact of removal actions at the WAG 5 Seeps C and D and at First Creek. Since seep collection and treatment began at WAG 5, contaminant concentrations at White Oak Dam have been decreasing. It is expected that the relative contribution from WAG 6 will continue to increase as remediation occurs at other sites and as WAG 6 "matures."

In addition to monitoring for off-WAG releases, monitoring also was performed to satisfy RCRA requirements for the WAG. Twenty-four RCRA groundwater assessment wells were monitored during the baseline year. No significant changes were seen in the concentrations of RCRA constituents (volatile organics) in those wells over the previous year's RCRA assessment results.

Finally, monitoring during the baseline year was performed on internal WAG sources to establish the baseline for the primary internal WAG sources to off-WAG release. Monitoring also occurred around the Tumulus Disposal Demonstration Project to establish the baseline for post-cap conditions and to understand unexpected ^3H releases from the Tumulus.

1. INTRODUCTION

1.1 OVERVIEW

This report describes baseline contaminant release conditions for Waste Area Grouping (WAG) 6 at Oak Ridge National Laboratory (ORNL). The sampling approach and data analysis methods used to establish baseline conditions were presented in *Environmental Monitoring Plan for Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee* (EMP) (DOE 1993, 1995a). As outlined in the EMP, the purpose of the baseline monitoring year at WAG 6 was to determine the annual contaminant releases from the site during fiscal year 1995 (FY95) against which any potential changes in releases over time could be compared. The baseline year data set provides a comprehensive understanding of release conditions from all major waste units in the WAG through each major contaminant transport pathway.

Due to a mandate to reduce all monitoring work, WAG 6 monitoring was scaled back and reporting efforts on the baseline year results are being minimized. This report presents the quantified baseline year contaminant flux conditions for the site and briefly summarizes other findings. All baseline data cited in this report will reside in the Oak Ridge Environmental Information System (OREIS) database, and will be available for use in future years as the need arises to identify potential release changes.

1.2 BACKGROUND

WAG 6 is an ~27.5 ha (68 acre) low-level radioactive waste (LLRW) shallow disposal facility located in the White Oak Creek watershed at ORNL (Fig. 1.1). WAG 6 encompasses several types of burial units, including high and low activity trenches and auger holes, biological trenches, and various others. Primary waste areas are identified on Fig. 1.1. In early 1993, after completion of a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), a decision was made to defer implementing a remedial action at WAG 6. The decision was based primarily on data that indicated WAG 6 contributed relatively little to the total off-site contaminant releases via White Oak Dam (WOD). Stakeholders agreed that releases from WAG 6 would be monitored during the deferred action period. A 5-year plan was developed for the site (DOE 1993) and later updated to address RCRA input (DOE 1995a).

Deferred action monitoring began in February 1994 with an 8-month period of "pre-baseline" monitoring. Pre-baseline period activities included constructing two new surface water monitoring weirs (MS1 and MS3), installing and testing data loggers for both weirs and wells, identifying and surveying seep sampling locations, and testing the data management system. During this period, RCRA groundwater wells continued to be sampled following RCRA groundwater monitoring requirements for the WAG, and some surface water monitoring data were gathered. These activities and monitoring results were reported in *Annual Report on Activities at Waste Area Grouping 6 from February through September 1994 at Oak Ridge National Laboratory, Oak Ridge, Tennessee* (DOE 1995b).

The baseline monitoring year for WAG 6 began October 1, 1994 and continued through September 30, 1995. The baseline year monitoring was designed to provide data necessary to

Location of WAG 6 at ORR

not to scale

Location of WAG 6 at ORNL Site

not to scale

LEGEND:

- DIRT ROAD
- CREEK/SURFACE DRAINAGE
- DRAINAGE
- TRENCHES
- CAPPED AREA
- WAG 6 BOUNDARY
- WET WEATHER DRAINAGE
- SURFACE WATER
- MONITORING STATION
- FORMER WEIR LOCATION

0 200 400
SCALE: 1" = 400'

Fig. 1.1. WAG 6 site map.

establish the statistical baseline against which future contaminant releases will be compared. The baselining effort was necessary because the WAG 6 RFI, which was completed prior to the current understanding of contaminant transport mechanisms at ORNL, did not collect enough samples at what are now considered the critical locations for quantifying off-WAG releases. An additional goal of the baseline effort was to confirm the RFI chemicals of concern (COCs) because several years had passed since the completion of the RFI.

On October 1, 1995 "routine monitoring" began at the WAG. Routine monitoring is intended to provide the minimal amount of information necessary to identify annual changes in contaminant releases and risk associated with WAG 6, relative to the baseline year, and to meet RCRA assessment monitoring requirements. Routine annual monitoring is currently scheduled to continue at the site for 4 years.

1.3 INTEGRATING WAG 6 INTO THE WATERSHED DECISION PROCESS

The decision to defer action at WAG 6 was one of the first attempts at ORNL to move away from remedial action decision-making on a WAG scale and move toward decision-making on a watershed scale. ORNL has moved to formalize a watershed-approach in the form of the White Oak Creek Watershed (WOCW) Remedial Investigation/Feasibility Study (RI/FS). The watershed RI/FS will identify cleanup goals and remedial process options for watershed projects and will propose a strategy to address releases from individual waste units in a logical order - regardless of which WAG the unit falls within.

Although the monitoring approach at WAG 6 was not specifically designed to do so, it fits well into the watershed approach by focusing data collection efforts on tracking the WAG 6 releases to the watershed. In the future the WAG 6 monitoring approach may be revised to support the decision process developed for the watershed approach.

As part of the DQO approach, a decision rule was developed to address PO1:

If the relative risk associated with WAG 6 contamination loading to WOD increases by a factor of 2 annually, then:

1. aspects of the EMP for the subsequent year will be evaluated to better understand the increase and/or
2. source control measures may be implemented.

The factor of 2 annual increase criterion was designed to identify a trend that could eventually lead to an unacceptable increase. This decision rule reflects the strong emphasis placed on implementing remedial actions at ORNL from a "watershed approach," e.g., identify and address the sites in the watershed contributing the most to off-site contaminant releases.

Table 1.1. Objectives for WAG 6 EMP

Primary objective identifier	Objective description
PO1	Identify changes in risk associated with WAG 6
PO1-1	Estimate risk at boundary of waste unit and relative risk at WOD
PO1-2	Verify primary COCs that contribute to risk
PO1-3	Refine risk estimates
PO2	Meet regulatory requirements
PO2-1	Meet RCRA permit requirements
PO2-2	Meet NPDES reporting requirements (if applicable)
PO2-3	Address DOE Orders 5400.1, 5400.5, and 5820.2A
PO3	Support implementation of interim or final actions
PO3-1	Identify major sources of off-WAG contaminant migration
PO3-2	Develop technologies to support site characterization and remediation activities

DOE = U.S. Department of Energy

NPDES = National Pollutant Discharge Elimination System

1.4 WAG 6 MONITORING OBJECTIVES

A complete description of the objectives of the WAG 6 monitoring program was reported in the WAG 6 EMP (DOE 1993, 1995a). The three primary objectives (POs) of the program are summarized in Table 1.1. These objectives were addressed through a thorough data quality objectives (DQO) approach, as described in detail in the EMP (DOE 1993, 1995a).

Because all previous estimates of WAG 6 relative risk were based on types of data that are different from the baseline year data (e.g., baseflow grab samples or infrequent composites at old gaged stations), the WAG 6 EMP decision rule will not be applied to the site until the end of the first year of routine monitoring.

Although all three objectives will be addressed in this report, most of the data analysis effort has been directed toward addressing the decision rule for PO1.

1.5 SITE SETTING

The WAG 6 monitoring program is intrinsically tied to the conceptual site model for the WAG. Certain aspects of the conceptual drive are critical for understanding why baseline year sampling locations and frequencies were selected and for understanding the results and interpretation of the baseline year monitoring results. The conceptual model is discussed in detail in DOE 1993. Aspects of the model critical for understanding the baseline year results include:

- Contaminants migrate across the WAG 6 perimeter via four major flowpath groups (Table 1.2).

- Flow via the ungaged subsurface flowpath can be estimated separately for five subsurface drainage areas at the WAG. These areas follow surface topography.
- The contaminants contributing the majority of the off-WAG risk are those that were consistently detected at elevated concentrations in the surface water during RI sampling and estimated to be the greatest contributors to risk to a hypothetical receptor at White Oak Dam. These contaminants are tritium (^3H) and strontium-90 (^{90}Sr).
- Based on RI risk assessment, other chemicals of concern (COCs) were identified as contributing to on-WAG risk (assuming a hypothetical on-WAG resident). Most of these contaminants do not contribute significantly to elevated off-WAG risk (i.e., are not detected frequently at the gaged surface water stations). These chemicals include volatile organic compounds (VOCs), some metals, and a few additional radionuclides.

Table 1.2. Water volume by flowpath group

Flowpath	Description	Primary location(s) for measuring flow	Percent contribution to total flow from WAG 6
Surface water at gaged sites	Includes overland flow and seepage from the stormflow and water table interval zone that resurfaces upstream of monitoring stations	Gaged surface water monitoring stations	~85-95%
Overland flow at ungaged perimeter sites	Ungaged surface runoff (occur mainly during wet weather storm events)	Locations B and C on eastern boundary	
Ungaged subsurface flow	Seepage from stormflow and water table interval zones that flow directly to White Oak Lake	Perimeter seeps and springs and perimeter shallow groundwater wells	~5-15% (combined)
Intermediate and deep groundwater	Groundwater flow in intermediate and deep groundwater bedrock	Intermediate and deep groundwater wells	<1-3%

2. BASELINE MONITORING ACTIVITIES

Implementation of baseline year was delayed at WAG 6 pending completion of new surface water monitoring stations on the two major tributaries draining WAG 6. (The new monitoring stations did not become operational until January 1995.) All monitoring activities were conducted in accordance with the WAG 6 EMP and its companion documents:

- media-specific sampling and analysis plans (Energy Systems 1994a, 1994b, 1994c, 1994d; CDM 1994),
- *Quality Assurance Project Plan for the Environmental Monitoring Plan in Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee* (DOE 1994), and
- *Data Management Plan and Functional System Design for the Information Management System of the Clinch River RI and Waste Area Grouping 6* (Energy Systems 1994e).

Monitoring activities and sample analyses are summarized in Table 2.1. Figure 2.1 provides the complete identification of baseline year monitoring locations. The following sections provide a brief summary of the field and data activities for the baseline year.

2.1 SURFACE WATER QUALITY AND FLOW

Contaminant releases that exit WAG 6 via the major surface water drainages are estimated to make up >90% of the total contaminant releases leaving WAG 6. During the baseline year, contaminant releases to surface water were characterized as described in Table 2.2. The most useful samples for meeting the objectives of the monitoring program are the monthly flow-proportional composites collected at MS1 and MS3. These samples represent contaminant concentrations during various flow conditions. Because samples for volatile analysis must meet strict holding time requirements, volatile analysis cannot be performed on the monthly composites. Monthly grab samples were collected at MS1 and MS3 to identify volatile releases via surface water.

MS1 and MS3 did not become operational until January 1995; therefore, no flow-proportional composite samples or flow measurements were collected during the first 3 months of the baseline year. Monthly composite samples are unavailable for January through June. Thus, baseline fluxes can only be accurately estimated for a 6-month period, January through June.

In addition to samples collected for the purpose of estimating fluxes at MS1 and MS3, samples were collected at various surface water locations to (1) identify changes in releases during storm conditions, and (2) check the contaminant mass balance in the watershed, e.g., determine if WAG 6 contaminant flux estimates are in balance with upgradient and downgradient flux estimates.

Flow and water quality data for WOD were obtained from the ORNL Office of Environmental Compliance and Documentation (OECD). Water quality data represent monthly composite samples. ORNL is in the process of establishing a new rating curve for WOD flow data. This rating curve will adjust available flow meter readings based on a more accurate understanding of flows during high flow conditions. Adjusted flow data for the January through June 1995, time period were not available

Table 2.1. WAG 6 baseline year sampling and analysis activities

Media/ description	Sample	Sample type	Sample frequency	Radionuclides				Organics		
				³ H	⁹⁰ Sr	Alpha	Gamma	VOC	Other organics	Metals
Surface Water										
surface water primary drainages	MS1, MS3	Composite	Monthly (Jan - June)	X	X	X	X			X
		Grab	Monthly					X		
		Storm grabs	Dec, Jan, Feb, March storm events	X	X					
	MS1, MS3, WST, WOC, WOD	Baseflow grab	1/24/95	X	X					
Overland flow sites	B, C drainages	Storm grabs	Feb, May storm events	X	X	X	X	X		X
Perimeter Seeps										
	SS-03, SS-05*, SS-06, SS-07*, SS-08, WSS-023A*, WSS-025*, WSS-033*, WSS-045*	Grab	Quarterly (*except seeps dry in Sep 95)	X	X	X	X	X	one quarter	X

Table 2.1 (continued)

Media/ description	Sample	Sample type	Sample frequency	Radionuclides				Organics		
				³ H	⁹⁰ Sr	Alpha	Gamma	VOC	Other organics	Metals
Groundwater Wells										
Downgradient perimeter RCRA groundwater wells	1242, 1243, 745, 833, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 847, 859, 860	Grab	Quarterly ^a	X	X	X	X	X	one quarter	X
Downgradient perimeter groundwater wells - other	4315, 4316, 4317	Grab	Quarterly	X	X	X	X	X	one quarter	X
Upgradient perimeter RCRA groundwater wells	831, 832, 846, 855, 856, 857, 858	Grab	Three quarters	X	X	X	X	X	one quarter	X
Interior wells/french drains	SFD, WFD	Grab	Quarterly	X	X	X	X	X	one quarter	X
Tumulus wells	1257, 1254, 1258, 1037	Grab	Oct 94	X	X	X	X	X	one quarter	X

SFD = South French Drain

WFD = West French Drain

WOC = White Oak Creek

WST = West Seep Tributary

^a Planned sample frequency was quarterly. Quarterly results are not available in the database for some wells.

Table 2.2. Surface water data types

Measurement type	Sample frequency	Purpose
Flow-proportional composite	Weekly flow-proportional sample, composited into single monthly sample; collected at MS1 and MS3	Used to estimate total contaminant fluxes (in mass or activity per unit time, e.g., pCi/month)
Grab	Monthly	Used to identify presence of volatiles and estimate volatile fluxes; necessary since sample for volatile analysis cannot be stored for compositing
Storm grabs	Every 10 minutes during storm	Used to understand relationship between flow and contaminant concentrations; may help determine rainfall and flow conditions conducive for contaminant releases
Wet season, dry season baseflow grabs	One wet season, one dry season	Collected at locations upgradient and downgradient of WAG 6; used to check flux balance in watershed
Flow measurement	Continuous flow at MS1, MS3, and WOD	Used to estimate total flow volumes and contaminant fluxes

in time for this report; however, once they become available they should be incorporated into the baseline year analysis. This will ensure that the baseline year results and the routine monitoring results reflect a similar flow rating curve for WOD data.

2.2 GROUNDWATER QUALITY AND WATER LEVEL

Groundwater sampling was performed for three primary reasons: (1) to establish baseline subsurface contaminant release conditions at WAG 6, (2) to continue monitoring RCRA constituents, and (3) to identify the major sources of the releases measured at the WAG boundary. Table 2.1 summarizes baseline year monitoring activities. Figure 2.1 identifies all groundwater quality and groundwater level monitoring locations.

Groundwater samples collected at the WAG 6 perimeter wells are used to estimate ungaged subsurface contaminant fluxes across the WAG 6 boundary. Releases that leave the WAG via the shallow ungaged subsurface flowpath (also referred to as the water table flow interval) can be estimated separately for five subsurface drainage areas, identified as 1 through 5 on the sample location map (Fig. 2.1). These subsurface drainage areas are an important aspect of the WAG 6 conceptual model in that groundwater contaminant fluxes are estimated separately for each area. These five drainages generally follow surface topography. Water quality wells within each drainage area are listed in Table 2.3. Some releases at the WAG cross the WAG 6 boundary via the intermediate/deep groundwater pathway. These intermediate/deep releases make up a small

**Table 2.3. Perimeter water quality wells
within each subsurface drainage area**

Subsurface drainage area	Groundwater water quality wells
1	745, 833, 859, 860
2	835, 836, 837, 4315
3	838, 839
4	840, 841, 842, 1243, 4316, 4317
5	843, 844, 1242

percentage of the releases leaving the WAG (<2%). Shallow and deep perimeter wells were sampled four times during the baseline year.

Many of the perimeter wells at the WAG are RCRA monitoring wells. Monitoring results from these wells have been reported in the *WAG 6 Groundwater Quality Assessment Report* for Calendar Year 1995 (DOE 1996). Internal wells and french drains were also sampled quarterly during the baseline year.

In addition to groundwater quality monitoring, WAG 6 wells and piezometers were twice measured during two 24-hour periods during the baseline year—once in October and once in April. These were intended to represent a dry season water table (October) and a wet season water table (April); however, rainfall during the early spring was less than normal and the April water levels more closely resemble dry season levels than wet season levels. Additional meteorological information obtained from the Surface Water Project indicates that while April was unusually dry, the winter in general was not too different from normal. Precipitation in the watershed was 25.5 in. for the period from January - June 1995, or approximately 9% lower than the 30-year normal rainfall value measured at NOAA in Oak Ridge.

In addition to the manual water level measurements, several wells were equipped with continuous water level recorders. Data from these recorders will be reviewed at a later date and used to understand the mechanisms for trench inundation and contaminant release during varying water conditions (e.g., storm events or dry periods).

2.3 SEEP CHARACTERIZATION

Two seeps and springs surveys were conducted at WAG 6 during the period leading up to the baseline year, once during the wet season and once during the dry season. More than 56 seeps were identified, many of which are wet-weather seeps, and are not active during the dry season. Ten seep locations were selected for monitoring during the baseline year. Most of these seeps are located along the southeastern boundary of the WAG, in an area that remains relatively wet throughout the year.

2.4 METEOROLOGICAL MONITORING

Continuous meteorological data were recorded and downloaded from the WAG 6 met station during the baseline year. Meteorological data are used to define the water budget for the various

WAG 6 water compartments. Data gathered included rainfall, wind speed, solar radiation, and humidity. (Rainfall data were not recorded during September 1995.) Data quality problems occurred with solar radiation data and humidity data (frequent readings of >100% humidity) and the data are considered unusable for the current evaluation. Because of the volume of meteorological data and the pending quality issues, these data are not available in OREIS.

2.5 OTHER MONITORING ACTIVITIES

Two additional monitoring activities related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) monitoring were conducted. In July 1995, the Emergency Waste Basin (EWB) was emptied to prevent overflow and maintain the integrity of the earthen dam at the base of the basin. The EWB captures surface runoff and shallow groundwater from the surrounding environment. Prior to the release, surface water samples were collected to characterize the water. During the release, total flow from the EWB was measured. These data can be used to calculate the total contaminant flux from the EWB. The EWB captures surface and shallow subsurface drainage from ~7% of the WAG 6 surface area. Included in that area are several waste disposal trenches (e.g., trenches located in what is known as the 19-Trench Area). Discharge from the EWB enters the West Seep Tributary, located on the eastern side of WAG 6 and eventually discharges into White Oak Lake. The EWB is drained annually, usually in the late spring/early summer.

The second activity was monitoring releases from the completed Tumulus Disposal Demonstration Project. Monitoring was planned in accordance with the Tumulus Environmental Monitoring Plan (Energy Systems 1994f), however, unexpected releases from the Facility led to additional sampling. Tumulus releases are summarized in a letter report (Appendix B) and in this report.

2.6 DATA MANAGEMENT/DATA VALIDATION

Data analysis, data management, and data validation activities were performed in accordance with the EMP and the WAG 6 data management plan (Energy Systems 1994e). Data analysis was performed by three different laboratories, depending on the sample type and use of the analytical results. The three laboratories were the Close Support Laboratory (CSL) at ORNL, the Analytical Services Organization (ASO) laboratory at ORNL, and an approved contract laboratory. Most of the samples were analyzed by the contract laboratory. The exceptions to this were: RCRA samples were analyzed by ASO; stormwater samples for ^3H and ^{90}Sr analyses, and several other ^3H and ^{90}Sr samples were analyzed by the CSL.

All data from the contract laboratory and ASO were received in electronic format and have been placed in the WAG 6 database. Hardcopy results were received from the CSL. These were coded into the data management system. All data will reside in the Oak Ridge Environmental Information System (OREIS).

The level of data validation varied depending on the use of the data and the available laboratory deliverable. Analytical results received from the contract laboratory were provided in contract laboratory program (CLP) data packages. These data were validated following guidelines described in Requirements for Quality Control of Analytical Data (Energy Systems 1992a). Ninety percent of these data packages were validated to a Level C (Level III) and 10% were validated to a Level D (Level IV).

Analytical data for the RCRA wells were sent to the ASO, as they have been over the past several years of RCRA monitoring. No CLP data packages were available from ASO; however, the data were "blank validated" to help ensure that sampling and laboratory contaminants were not identified as positive detections. No analytical validation was performed on ^3H and ^{90}Sr results from the CSL since these are considered screening level data.

3. BASELINE YEAR MONITORING RESULTS

Results for the baseline year monitoring are presented in this section in a manner that addresses each of the three POs of the program. Raw data are available in Appendix A of this report and in the OREIS database.

3.1 PO1: IDENTIFY CHANGES IN RISK ASSOCIATED WITH WAG 6

The decision to defer CERCLA remedial action at WAG 6 was based on information suggesting that WAG 6 contributes relatively little to total potential risk at WOD. Available remediation resources have been and currently are being directed to other WAGs or waste units within WAGs that contribute most of the contaminant flux and risk at WOD, e.g., WAG 5 (collection and treatment of contaminated seeps) and WAG 4 (waste stabilization by grouting of trenches).

At some point in the future WAG 6 or units within WAG 6 may become priority sites for remediation. This could occur because of (1) decreasing contributions to WOD from other WAGs as they are remediated, or (2) breakthrough of previously contained wastes at WAG 6 (a potential scenario since WAG 6 is relatively new compared to other WAGs at ORNL).

The WAG 6 decision rule was designed to help decision-makers determine if changes in the relative risk associated with WAG 6 should trigger a response. The goal of the baseline year data assessment is to establish the contaminant flux values that are used to estimate relative risk. This section presents a summary of the information used to estimate contaminant fluxes from WAG 6 and the baseline year fluxes.

3.1.1 Chemicals of Potential Concern

COCs for WAG 6 were identified in the WAG 6 RFI (BNI 1991). One element of the baseline monitoring effort was to identify the comprehensive list of chemicals for each individual monitoring site at WAG 6 in order to (1) make sure that routine monitoring efforts focus on the major chemicals at the sites, and (2) establish the baseline list of detected chemicals against which to compare future monitoring results. The process for screening the data is provided in Fig. 3.1. Baseline year sampling results were evaluated to determine the complete list of detected chemicals, and further screened to determine which detected chemicals are present at levels above background levels. Background upper tolerance limit (UTL) were developed using the results from upgradient RCRA wells. The statistical methods for developing the UTL and comparing results to background levels are provided in the EMP (DOE 1995a).

The complete list of detected chemicals is presented in Appendix A. A summary of site-related chemicals is presented by media in Tables 3.1, 3.2, and 3.3 for surface water, seeps, and groundwater, respectively. Seep and shallow groundwater data are presented separately for each of the five subsurface drainage areas. The tables provide summary statistics by media (and for groundwater, by individual subsurface drainage areas) for each chemical detected at least once. In cases where the frequency of detection is low, some summary statistics (e.g., the calculated average result) are of limited use.

96-003MS/060396

Fig. 3.1. Data screening process.

3.1.2 Relative Risk from WAG 6 at WOD

Over the years, methods have been developed to estimate the percent contaminant contribution measured at WOD from individual waste units in the White Oak Creek watershed. Past efforts to quantify the percent contribution from WAG 6 have been performed with varying types of data, ranging from simple baseflow grab samples at the surface water drainages (a 1992 estimate of <2%) to flow-weighted concentrations collected at the old WAG 6 weirs (a 1995 estimate of 5%). WAG 6 is unique in the watershed in that there is direct ungaged flow from the WAG to White Oak Lake. So, unlike other WAGs in the watershed, ~15% of contaminant flux leaves the site via direct, ungaged flow to White Oak Lake.

Table 3.1. WAG 6 surface water data summary

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
<i>MSI-COMPOSITE</i>										
Aluminum	mg/L	8/ 8	7.4	2/ 8	4.4	0.61	14	4.9	7.5	L
Barium	mg/L	8/ 8	0.21	0/ 8	0.039	0.044	0.17	0.075	0.098	L
Boron	mg/L	2/ 9	0.062	1/ 9	0.017	0.049	0.069	0.041		D
Calcium	mg/L	8/ 8	36	7/ 8	7.6	32	57	45	50	N
Chromium	mg/L	4/ 8	0.02	0/ 8	0.006	0.0069	0.019	0.007	0.011	L
Cobalt	mg/L	1/ 8	0.017	0/ 8	0.004	0.014	0.014	0.004		D
Copper	mg/L	5/ 8	0.0072	4/ 8	0.006	0.007	0.02	0.009	0.013	N
Iron	mg/L	8/ 8	30	0/ 8	5.8	0.67	19	6.2	9.6	L
Lead	mg/L	7/ 7	0.02	0/ 7	0.002	0.001	0.007	0.005	0.0065	N
Magnesium	mg/L	8/ 8	7.2	1/ 8	0.81	4.6	7.2	5.7	6.3	L
Manganese	mg/L	8/ 8	6.1	0/ 8	0.22	0.2	0.91	0.48	0.64	L
Nickel	mg/L	2/ 8	0.011	2/ 8	0.008	0.021	0.025	0.01		D
Potassium	mg/L	8/ 8	3.5	3/ 8	1.2	1.9	5.6	3.2	4.1	L
Silicon	mg/L	8/ 9	19	0/ 9	4.4	2.1	17	6.1	8.2	L
Sodium	mg/L	8/ 8	7.6	0/ 8	1.6	2.5	7	4.4	5.6	L
Vanadium	mg/L	7/ 8	0.013	1/ 8	0.005	0.004	0.018	0.007	0.0094	L
Zinc	mg/L	4/ 8	0.066	2/ 8	0.032	0.057	0.097	0.048	0.072	L
Beta Activity	pCi/L	1/ 1	3.75	1/ 1		7.1	7.1	7.1		X
Bismuth-214	pCi/L	1/ 9			6.3	16	16	4.2		D
Gross Alpha	pCi/L	5/ 9			3.7	4.2	12	4.9	7	L
Gross Beta	pCi/L	3/ 3			1.9	9.3	13	11	15	N
Lead-212	pCi/L	2/ 9			5.7	12	17	6.3		D

Table 3.1 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Lead-214	pCi/L	1/ 9			4.8	14	14	3.4		D
Strontium-90	pCi/L	3/ 6			2.2	2.2	7.2	2.8	4.6	L
Tritium	pCi/L	6/ 6			290000	160000	920000	370000	600000	L
<i>MS1-GRAB</i>										
Acetone	mg/L	1/ 11			0.0005	0.0038	0.0038	0.003		D
Aluminum	mg/L	2/ 2	7.4	0/ 2	0.022	0.072	0.1	0.087	0.19	N
Barium	mg/L	2/ 2	0.21	0/ 2	0.004	0.046	0.052	0.049	0.069	N
Calcium	mg/L	2/ 2	36	2/ 2	1.9	65	68	67	75	N
Magnesium	mg/L	2/ 2	7.2	2/ 2	0.18	9.7	10	9.9	11	N
Manganese	mg/L	2/ 2	6.1	0/ 2	0.083	0.13	0.25	0.19	0.56	N
Potassium	mg/L	2/ 2	3.5	0/ 2	0.51	1	1.8	1.4	3.7	N
Silicon	mg/L	2/ 2	19	0/ 2	0.039	2.2	2.3	2.3	2.4	N
Sodium	mg/L	2/ 2	7.6	0/ 2	0.28	3.8	4.2	4	5.3	N
Thallium	mg/L	1/ 2			0.002	0.003	0.003	0.002	0.0097	N
Zinc	mg/L	1/ 2	0.066	0/ 2	0.005	0.012	0.012	0.009	0.03	N
1,2-Dichloroethane	mg/L	1/ 11			0.0002	0.0004	0.0004	0.0005		D
Trichloroethene	mg/L	1/ 11			0.0001	0.0002	0.0002	0.0005		D
Lead-212	pCi/L	1/ 2			9.2	13	13	6.5	48	N
Strontium-90	pCi/L	5/ 8			2.1	1.1	6.7	3.6	5.1	N
Tritium	pCi/L	7/ 7			820000	310000	2300000	1300000	2200000	L
<i>MS3-COMPOSITE</i>										
Aluminum	mg/L	7/ 7	7.4	0/ 7	0.85	0.31	2.6	1.5	2.2	N
Barium	mg/L	7/ 7	0.21	0/ 7	0.009	0.045	0.065	0.054	0.062	L

Table 3.1 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Boron	mg/L	4/ 8	0.062	1/ 8	0.018	0.058	0.069	0.046	0.058	N
Calcium	mg/L	7/ 7	36	7/ 7	11	43	71	52	60	X
Chromium	mg/L	2/ 7	0.02	0/ 7	0.003	0.004	0.0087	0.003		D
Copper	mg/L	3/ 7	0.0072	1/ 7	0.003	0.0038	0.0089	0.005		D
Iron	mg/L	7/ 7	30	0/ 7	1.3	0.34	4.3	2.2	3.2	N
Lead	mg/L	4/ 6	0.02	0/ 6	0.001	0.0019	0.0034	0.002	0.0029	N
Magnesium	mg/L	7/ 7	7.2	2/ 7	1.3	5.7	8.8	7	8.1	L
Manganese	mg/L	7/ 7	6.1	0/ 7	0.25	0.11	0.81	0.42	0.65	L
Potassium	mg/L	7/ 7	3.5	3/ 7	3.6	1.8	11	4.6	6.9	L
Silicon	mg/L	7/ 8	19	0/ 8	1.6	4.1	7.4	5	6.1	N
Sodium	mg/L	7/ 7	7.6	2/ 7	1.1	5.4	8.3	6.8	7.6	N
Vanadium	mg/L	3/ 7	0.013	0/ 7	0.001	0.0033	0.0044	0.003		D
Zinc	mg/L	5/ 7	0.066	1/ 7	0.023	0.024	0.083	0.036	0.052	L
Bismuth-214	pCi/L	1/ 9			11	33	33	6.4		D
Gross Alpha	pCi/L	1/ 9			0.73	1.7	1.7	1.3		D
Gross Beta	pCi/L	2/ 3			85	320	480	390	640	L
Lead-212	pCi/L	2/ 9			8.7	19	24	6.8		D
Lead-214	pCi/L	1/ 9			6.9	19	19	3.8		D
Strontium-90	pCi/L	6/ 6			63	150	310	210	280	L
Tritium	pCi/L	5/ 6			780000	1300000	2300000	1400000	2200000	L
<i>MS3-GRAB</i>										
Acetone	mg/L	2/ 11			0.0002	0.0026	0.0026	0.003		D
Aluminum	mg/L	1/ 1	7.4	0/ 1		0.26	0.26	0.26		X

Table 3.1 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Barium	mg/L	1/ 1	0.21	0/ 1		0.047	0.047	0.047		X
Calcium	mg/L	1/ 1	36	1/ 1		57	57	57		X
Chromium	mg/L	1/ 1	0.02	0/ 1		0.0034	0.0034	0.003		X
Iron	mg/L	1/ 1	30	0/ 1		0.55	0.55	0.55		X
Lead	mg/L	1/ 1	0.02	0/ 1		0.0018	0.0018	0.002		X
Magnesium	mg/L	1/ 1	7.2	1/ 1		8	8	8		X
Manganese	mg/L	1/ 1	6.1	0/ 1		0.58	0.58	0.58		X
Potassium	mg/L	1/ 1	3.5	0/ 1		1.4	1.4	1.4		X
Silicon	mg/L	1/ 1	19	0/ 1		3.7	3.7	3.7		X
Sodium	mg/L	1/ 1	7.6	0/ 1		7	7	7		X
1,1-Dichloroethane	mg/L	1/ 11			0.0002	0.001	0.001	0.0006		D
1,2-Dichloroethane	mg/L	1/ 11			0.00002	0.001	0.001	0.0005		D
Benzene	mg/L	1/ 11			0.0002	0.001	0.001	0.0006		D
cis-1,2-Dichloroethene	mg/L	4/ 11			0.001	0.001	0.0019	0.0007		D
Ethylbenzene	mg/L	1/ 11			0.0001	0.00003	0.00003	0.0005		D
Tetrachloroethene	mg/L	3/ 11			0.0001	0.001	0.001	0.0006		D
Toluene	mg/L	1/ 11			0.0002	0.001	0.001	0.0006		D
Trichloroethene	mg/L	3/ 11			0.0002	0.001	0.001	0.0006		D
Bismuth-214	pCi/L	1/ 2			7.8	17	17	12	46	N
Cesium-134	pCi/L	1/ 2			1.1	5.2	5.2	4.5	9.2	N
Gross Beta	pCi/L	1/ 1				390	390	390		X
Strontium-90	pCi/L	8/ 8			27	190	280	230	250	L
Tritium	pCi/L	7/ 7			670000	1700000	3700000	2400000	3000000	L

Table 3.2. WAG 6 seep data summary

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
<i>Subsurface Drainage Area 1</i>										
Nitrate	µg/L	3/ 3	980	1/ 3	610	500	1700	1100	4300	L
Acetone	µg/L	1/ 3	10	0/ 3	1	4	4	3		D
Aluminum	µg/L	3/ 3	4510	0/ 3	210	130	550	330	690	N
Barium	µg/L	3/ 3	140	0/ 3	21	30	73	53	89	N
Cadmium	µg/L	1/ 3	6.96	0/ 3	1	3	3	2		D
Calcium	µg/L	3/ 3	150000	0/ 3	8500	13000	28000	23000	37000	N
Cobalt	µg/L	1/ 3	7	1/ 3	5	12	12	6		D
Copper	µg/L	2/ 3	7.49	0/ 3	2	4	5	3	7	N
Iron	µg/L	3/ 3	2380	3/ 3	16000	2800	30000	12000	180000	L
Magnesium	µg/L	3/ 3	43000	0/ 3	1100	2000	4100	3300	5200	N
Manganese	µg/L	3/ 3	104	3/ 3	1700	400	3600	1700	18000	L
Potassium	µg/L	3/ 3	2300	1/ 3	570	1400	2500	2000	2900	N
Selenium	µg/L	1/ 3	50	0/ 3	1	4	4	2		D
Silicon	µg/L	3/ 3	13500	0/ 3	690	4400	5600	4800	5900	X
Sodium	µg/L	3/ 3	20800	0/ 3	1300	2600	5100	4100	6400	N
Zinc	µg/L	3/ 3	14	3/ 3	30	50	100	68	180	L
1,2-Dichloroethane	µg/L	1/ 3			0.06	0.40	0.40	0.47		D
Gross Beta	pCi/L	1/ 1				25	25	25		X
Strontium-90	pCi/L	3/ 3	5.76	3/ 3	7	12	26	20	32	N
Tritium	pCi/L	2/ 2	1570	2/ 2	1800	4100	6600	5300	13000	N

Table 3.2 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
<i>Subsurface Drainage Area 4</i>										
Nitrate	µg/L	12/ 12	980	1/ 12	3900	500	14000	1600	3700	X
Acetone	µg/L	1/ 14	10	0/ 14	0.49	2	2	3		D
Aluminum	µg/L	9/ 12	4510	0/ 12	100	49	330	98	120	L
Antimony	µg/L	1/ 12	50	0/ 12	0.45	2	2	1		D
Barium	µg/L	12/ 12	140	0/ 12	20	28	100	64	75	L
Boron	µg/L	4/ 11	250	0/ 11	44	25	160	36		D
Calcium	µg/L	12/ 12	150000	0/ 12	23000	16000	88000	56000	68000	N
Chromium	µg/L	2/ 12	11.9	0/ 12	1	3	4	2		D
Cobalt	µg/L	4/ 12	7	4/ 12	4	9	15	6		D
Iron	µg/L	12/ 12	2380	6/ 12	5800	510	20000	5100	5900	L
Magnesium	µg/L	12/ 12	43000	0/ 12	2200	2600	9900	6200	7300	N
Manganese	µg/L	12/ 12	104	12/ 12	2500	250	8400	2800	3600	L
Potassium	µg/L	8/ 12	2300	0/ 12	650	750	2200	1000	1400	N
Silicon	µg/L	12/ 12	13500	0/ 12	970	3700	7100	5700	6200	N
Sodium	µg/L	12/ 12	20800	0/ 12	1400	2300	7300	4100	4800	L
Zinc	µg/L	12/ 12	14	11/ 12	14	12	51	38	45	N
4-Methyl-2-pentanone	µg/L	1/ 14			0.43	1	1	2		D
Toluene	µg/L	1/ 14			0.35	2	2	1		D
Bismuth-214	pCi/L	4/ 12	19	3/ 12	10	19	35	12		D
Cobalt-57	pCi/L	1/ 12	0	1/ 12	1	3	3	1		D
Cobalt-60	pCi/L	2/ 12	10.3	2/ 12	71	130	160	40		D
Gross Alpha	pCi/L	1/ 13	5.2	1/ 13	78	280	280	22		D

Table 3.2 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Gross Beta	pCi/L	7/ 7			34	2	88	34	66	L
Lead-212	pCi/L	2/ 12	16	1/ 12	7	13	24	7		D
Lead-214	pCi/L	3/ 12	11	3/ 12	8	13	22	7		D
Strontium-90	pCi/L	6/ 13	5.76	3/ 13	5	4	16	4		D
Tritium	pCi/L	13/ 13	1570	13/ 13	260000	2200	720000	160000	290000	X
<i>Subsurface Drainage Area 5</i>										
Nitrate	µg/L	10/ 10	980	5/ 10	2300	500	7400	2200	2900	L
Acetone	µg/L	3/ 13	10	0/ 13	1	3	4	3		D
Aluminum	µg/L	9/ 10	4510	0/ 10	580	54	2000	400	490	L
Barium	µg/L	10/ 10	140	0/ 10	17	58	110	86	95	N
Boron	µg/L	2/ 10	250	0/ 10	9	27	29	22		D
Calcium	µg/L	10/ 10	150000	1/ 10	31000	68000	150000	110000	130000	N
Chromium	µg/L	1/ 10	11.9	0/ 10	1	3	3	2		D
Copper	µg/L	2/ 10	7.49	0/ 10	2	4	5	2		D
Iron	µg/L	9/ 10	2380	0/ 10	670	70	2300	530	670	L
Magnesium	µg/L	10/ 10	43000	0/ 10	5700	9500	24000	17000	21000	N
Manganese	µg/L	10/ 10	104	6/ 10	1700	15	5500	710	530	L
Mercury	µg/L	1/ 10	0.3	0/ 10	0.03	0.21	0.21	0.11		D
Nickel	µg/L	1/ 10	12	0/ 10	1	10	10	7		D
Potassium	µg/L	8/ 10	2300	0/ 10	660	880	2300	1300	1700	N
Silicon	µg/L	10/ 10	13500	0/ 10	1600	3600	8300	5800	6800	L
Sodium	µg/L	10/ 10	20800	0/ 10	4200	6600	17000	11000	13000	L
Zinc	µg/L	9/ 10	14	7/ 10	20	10	70	31	42	L

Table 3.2 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
1,2-Dichloroethane	µg/L	2/ 13			0.08	1	1	1		D
Bromodichloromethane	µg/L	1/ 13			0.03	1	1	1		D
Chloroform	µg/L	4/ 13			2	1	6	1		D
Tetrachloroethene	µg/L	5/ 12	5	2/ 12	6	1	19	3		D
Trichloroethene	µg/L	5/ 12			5	1	16	3		D
cis-1,2-Dichloroethene	µg/L	4/ 11			12	5	40	6		D
trans-1,2-Dichloroethene	µg/L	1/ 13			0.04	1	1	1		D
Bismuth-214	pCi/L	3/ 11	19	2/ 11	13	17	38	14		D
Gross Alpha	pCi/L	1/ 13	5.2	1/ 13	3	9	9	3		D
Gross Beta	pCi/L	7/ 7			5	6	19	11	15	L
Lead-212	pCi/L	2/ 11	16	0/ 11	5	10	12	4		D
Lead-214	pCi/L	4/ 11	11	4/ 11	10	14	28	10		D
Strontium-90	pCi/L	1/ 13	5.76	0/ 13	1	3	3	1		D
Tritium	pCi/L	13/ 13	1570	13/ 13	230000	61000	780000	400000	510000	N

Table 3.3. WAG 6 perimeter well groundwater data summary

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
<i>Subsurface Drainage Area 1</i>										
Nitrate	µg/L	4/ 6	980	2/ 6	2110	500	5510	1290	2679.67	L
Aluminum	µg/L	1/ 4	4510	0/ 4	18.4	56	56	29.8		D
Barium	µg/L	4/ 4	140	3/ 4	166	130	481	378	573	X
Boron	µg/L	1/ 4	250	0/ 4	22.8	85.6	85.6	51.4		D
Calcium	µg/L	4/ 4	150000	0/ 4	43800	1200	91000	66800	118000	X
Iron	µg/L	3/ 4	2380	0/ 4	273	530	600	432	753	X
Magnesium	µg/L	4/ 4	43000	0/ 4	7340	1500	17200	12400	21100	X
Manganese	µg/L	4/ 4	104	0/ 4	34.3	11	85	61.3	102	N
Potassium	µg/L	3/ 4	2300	3/ 4	924	2600	2960	2370	3450	N
Silicon	µg/L	4/ 4	13500	0/ 4	3180	4700	11700	9350	13100	N
Sodium	µg/L	4/ 4	20800	0/ 4	4010	1700	10000	7700	12400	X
Thallium	µg/L	1/ 4	50	0/ 4	11.1	3.3	3.3	8.33		D
Zinc	µg/L	2/ 4	14	0/ 4	4.48	5.5	12	5.63	14.89485	L
2-Butanone	µg/L	2/ 4	10	0/ 4	1.5	2	3	3.75	7.093203	L
Tritium	pCi/L	4/ 5	1570	3/ 5	48500	640	111000	24100	57381.76	L
<i>Subsurface Drainage Area 2</i>										
Nitrate	µg/L	10/ 12	980	4/ 12	957	500	2500	1020	1520	X
Aluminum	µg/L	5/ 12	4510	1/ 12	1450	41.4	5040	635		D
Antimony	µg/L	1/ 11	50	0/ 11	9.47	1.3	1.3	6.03		D
Arsenic	µg/L	1/ 11	50	0/ 11	9.49	15.6	15.6	7.83		D
Barium	µg/L	12/ 12	140	4/ 12	91.6	18	295	121	168	N
Boron	µg/L	1/ 12	250	0/ 12	60.2	230	230	43.1		D

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Calcium	μg/L	12/ 12	150000	0/ 12	23300	880	63800	24100	29323.22	L
Chromium	μg/L	4/ 12	11.9	0/ 12	1.46	3.1	6.9	3.02		D
Cobalt	μg/L	1/ 12	7	0/ 12	1.42	6.9	6.9	2.91		D
Copper	μg/L	3/ 12	7.49	1/ 12	2.35	4.2	8.2	3.78		D
Iron	μg/L	5/ 12	2380	1/ 12	1630	28.8	5490	778		D
Lead	μg/L	3/ 11	50	0/ 11	8.66	9.8	15.8	10.8		D
Magnesium	μg/L	12/ 12	43000	0/ 12	2120	560	5490	3170	4280	X
Manganese	μg/L	11/ 12	104	7/ 12	389	1.6	1140	287	489	X
Nickel	μg/L	1/ 12	12	0/ 12	1.21	9	9	5.96		D
Potassium	μg/L	2/ 12	2300	0/ 12	374	974	1910	932		D
Selenium	μg/L	1/ 11	50	0/ 11	9.55	14.3	14.3	7.21		D
Silicon	μg/L	12/ 12	13500	1/ 12	3180	5600	16200	9040	10615.56	L
Sodium	μg/L	12/ 12	20800	1/ 12	8940	1300	31700	7850	9197.612	L
Thallium	μg/L	1/ 11	50	0/ 11	9.76	13.7	13.7	6.79		D
Zinc	μg/L	11/ 12	14	6/ 12	13.7	2.6	47.4	17.8	22.70851	L
2-Butanone	μg/L	4/ 12	10	0/ 12	1.16	2	5	3.25		D
Bismuth-214	pCi/L	6/ 8	19	5/ 8	14.1	16.2	39	23.9	33.4	N
Cesium-137	pCi/L	2/ 15	3.64	0/ 15	1.27	1.6	3.36	0.954		D
Gross Alpha	pCi/L	5/ 10	5.2	3/ 10	8.96	0.91	22.6	6.29	6.466987	L
Lead-214	pCi/L	6/ 8	11	6/ 8	14.4	17	52.8	25.7	35.85791	L
Tritium	pCi/L	15/ 15	1570	11/ 15	6740	1110	23500	6680	7411.53	L

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
<i>Subsurface Drainage Area 3</i>										
Nitrate	µg/L	3/ 3	980	0/ 3	211	500	866	622	978	X
Aluminum	µg/L	2/ 4	4510	0/ 4	35.6	62.3	110	69.5	111	N
Antimony	µg/L	1/ 4	50	0/ 4	0.65	1.2	1.2	2.18		D
Barium	µg/L	4/ 4	140	0/ 4	5	120	130	123	128	X
Calcium	µg/L	4/ 4	150000	0/ 4	7800	91400	110000	101000	111000	N
Chromium	µg/L	1/ 4	11.9	0/ 4	0.914	3.6	3.6	2.28		D
Copper	µg/L	1/ 4	7.49	0/ 4	1.22	2	2	2.5		D
Iron	µg/L	3/ 4	2380	0/ 4	44	41.8	120	69.7	183.2628	L
Lead	µg/L	1/ 4	50	0/ 4	5.11	1.3	1.3	5.58		D
Magnesium	µg/L	4/ 4	43000	0/ 4	521	5790	6960	6410	7030	N
Manganese	µg/L	4/ 4	104	2/ 4	62.1	79.6	200	133	206	N
Mercury	µg/L	2/ 4	0.3	1/ 4	0.134	0.26	0.31	0.174	0.331	N
Potassium	µg/L	1/ 4	2300	0/ 4	322	583	583	733		D
Silicon	µg/L	4/ 4	13500	0/ 4	671	4140	5730	4790	5905.34	L
Sodium	µg/L	4/ 4	20800	0/ 4	428	3490	4400	4000	4500	N
Thallium	µg/L	1/ 4	50	0/ 4	0.789	1.3	1.3	1.83		D
Vanadium	µg/L	1/ 4	7.52	0/ 4	0.523	2.1	2.1	1.4		D
Zinc	µg/L	1/ 4	14	0/ 4	2.49	5.1	5.1	3.93		D
Bis(2-ethylhexyl)phthalate	µg/L	1/ 1				4	4	4		X
2-Butanone	µg/L	1/ 4	10	0/ 4	1.35	2	2	3		D
Methylene chloride	µg/L	1/ 4			0.789	1.3	1.3	1.83		D
Alpha activity	pCi/L	1/ 2	3.24	0/ 2	1.57	2.7	2.7	1.59	8.59	N

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Bismuth-214	pCi/L	1/ 1	19	1/ 1		21	21	21		X
Cesium-137	pCi/L	1/ 4	3.64	0/ 4	1.2	2.77	2.77	1.73		D
Cobalt-60	pCi/L	1/ 4	10.3	0/ 4	1.4	2.94	2.94	1.09		D
Europium-152	pCi/L	1/ 2	59	0/ 2	14	21.8	21.8	11.9	74.4	N
Europium-154	pCi/L	1/ 2	6.05	0/ 2	3.11	4.4	4.4	2.2	16.1	N
Europium-155	pCi/L	1/ 2	23.6	0/ 2	1.15	8.63	8.63	7.82	13	N
Europium-156	pCi/L	1/ 1	108	0/ 1		50.5	50.5	50.5		X
Tritium	pCi/L	4/ 4	1570	4/ 4	30200	17800	76800	47700	126313.7	L
<i>Subsurface Drainage Area 4</i>										
Nitrate	µg/L	14/ 14	980	9/ 14	1180	500	3660	1760	2320	X
Acetone	µg/L	7/ 19	10	2/ 19	9.1	2	43	6.9		D
Aluminum	µg/L	10/ 17	4510	0/ 17	317	68	914	284	418	X
Antimony	µg/L	1/ 16	50	0/ 16	1.37	5	5	2.25		D
Arsenic	µg/L	1/ 16	50	0/ 16	7.02	30.6	30.6	5.32		D
Barium	µg/L	17/ 17	140	8/ 17	102	52	357	161	183.8802	L
Boron	µg/L	2/ 17	250	0/ 17	15.7	23.9	85.9	43.2		D
Calcium	µg/L	17/ 17	150000	0/ 17	37800	41500	148000	98000	114000	X
Chromium	µg/L	4/ 17	11.9	0/ 17	1.6	3.35	7.2	2.74		D
Copper	µg/L	5/ 17	7.49	1/ 17	1.78	3.33	8.2	3.92		D
Iron	µg/L	12/ 17	2380	0/ 17	404	70	1230	368	539	X
Lead	µg/L	2/ 16	50	1/ 16	178	1.91	718	51.4		D
Magnesium	µg/L	17/ 17	43000	0/ 17	4910	4620	19200	9910	11289.39	L
Manganese	µg/L	16/ 17	104	5/ 17	103	1.4	356	77.6	57.40138	L

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Mercury	µg/L	3/ 16	0.3	0/ 16	0.0921	0.22	0.29	0.093		D
Potassium	µg/L	3/ 17	2300	2/ 17	579	1770	2600	1230		D
Selenium	µg/L	1/ 16	50	1/ 16	206	828	828	53.7		D
Silicon	µg/L	17/ 17	13500	0/ 17	1210	4910	8770	7190	7700	N
Sodium	µg/L	17/ 17	20800	0/ 17	1990	3800	10900	6590	7365.994	L
Thallium	µg/L	1/ 16	50	1/ 16	163	653	653	42.7		D
Vanadium	µg/L	1/ 17	7.52	0/ 17	1.28	3.24	3.24	1.57		D
Zinc	µg/L	10/ 17	14	6/ 17	27.2	5.5	90.5	19.8	17.41236	L
Bis(2-ethylhexyl)phthalate	µg/L	1/ 4			1.25	3	3	4.88		D
1,1,1-Trichloroethane	µg/L	1/ 19			1.11	4	4	1.84		D
1,1-Dichloroethane	µg/L	3/ 19			0.962	2	2.5	1.71		D
1,2-Dichloroethane	µg/L	7/ 19			4.05	0.62	12	3.58		D
1,2-Dichloroethene	µg/L	3/ 12			3.25	9	10	4.29		D
2-Butanone	µg/L	8/ 19	10	0/ 19	1.36	2	6.6	3.48		D
Benzene	µg/L	1/ 19			0.977	2	2	1.74		D
Carbon disulfide	µg/L	2/ 19	5	1/ 19	1.62	4	7	2.08		D
Carbon tetrachloride	µg/L	4/ 19			13.4	32	34	8.29		D
Chloroform	µg/L	9/ 19			15.4	0.68	40	9.1		D
Chloromethane	µg/L	1/ 19			2.12	3.7	3.7	3.51		D
Tetrachloroethene	µg/L	2/ 19	5	0/ 19	0.973	1	2	1.66		D
Trichloroethene	µg/L	4/ 19			76	170	200	39.7		D
cis-1,2-Dichloroethene	µg/L	4/ 19			3.37	8	10	3.18		D
Alpha activity	pCi/L	7/ 11	3.24	0/ 11	1.06	0	2.97	1.68	2.26	N

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Bismuth-214	pCi/L	2/ 6	19	1/ 6	14.1	15	40	14.3		D
Cobalt-57	pCi/L	1/ 6	0	1/ 6	1.36	3.4	3.4	0.667		D
Cobalt-60	pCi/L	7/ 18	10.3	7/ 18	123	10.8	460	52		D
Gross Alpha	pCi/L	3/ 7	5.2	2/ 7	2.9	4.3	7.4	3.72		D
Lead-212	pCi/L	1/ 6	16	1/ 6	8.34	26	26	9.18		D
Lead-214	pCi/L	3/ 6	11	3/ 6	17.9	17	46	13.5	148.4528	L
Strontium-90	pCi/L	6/ 18	5.76	0/ 18	1.64	0.46	5.14	1.51		D
Tritium	pCi/L	18/ 18	1570	18/ 18	540000	7000	1410000	299000	520000	X
<i>Subsurface Drainage Area 5</i>										
Nitrate	µg/L	7/ 7	980	7/ 7	1340	2130	5700	4090	5080	N
Acetone	µg/L	2/ 8	10	1/ 8	4.66	1	17	6		D
Aluminum	µg/L	5/ 7	4510	0/ 7	606	54	1600	471	831.5181	L
Barium	µg/L	7/ 7	140	3/ 7	69.9	56	270	155	207	N
Calcium	µg/L	7/ 7	150000	1/ 7	41500	31000	160000	119000	149000	X
Chromium	µg/L	3/ 7	11.9	1/ 7	6.22	4.4	19	5.23		D
Iron	µg/L	5/ 7	2380	0/ 7	344	94	820	353	692.7721	L
Magnesium	µg/L	7/ 7	43000	0/ 7	4610	4600	18000	14400	17800	X
Manganese	µg/L	7/ 7	104	1/ 7	41.8	2.6	120	28.2	44.95648	L
Mercury	µg/L	2/ 7	0.3	1/ 7	0.23	0.18	0.64	0.135		D
Potassium	µg/L	2/ 7	2300	0/ 7	513	2000	2100	1300		D
Silicon	µg/L	7/ 7	13500	0/ 7	559	6800	8200	7540	7950	N
Sodium	µg/L	7/ 7	20800	0/ 7	1890	5700	10000	7930	9320	N
Zinc	µg/L	3/ 7	14	0/ 7	2.22	5.9	7.1	4.26		D

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
PCB-1254	µg/L	1/ 2			0.283	0.1	0.1	0.3	1.56	N
Diethylphthalate	µg/L	1/ 2			3.18	1	1	3.25	17.5	N
1,2-Dichloroethene	µg/L	3/ 8			0.954	2	5	2.88		D
2-Butanone	µg/L	5/ 8	10	0/ 8	1.71	2	7.2	4.5	5.65	N
cis-1,2-Dichloroethene	µg/L	4/ 8			1.02	2	5	3.06	3.791239	L
Alpha activity	pCi/L	4/ 8	3.24	4/ 8	2.08	4.32	5.14	2.92	4.32	N
Cobalt-60	pCi/L	3/ 7	10.3	0/ 7	2.59	5.41	6.49	3.09		D
Strontium-90	pCi/L	5/ 7	5.76	1/ 7	6.6	1.27	18.9	4.14	8.044866	L
Tritium	pCi/L	7/ 7	1570	7/ 7	959000	94600	2700000	716000	1103238	L
<i>Deep Perimeter</i>										
Nitrate	µg/L	14/ 19	980	3/ 19	1150	380	4300	817	1270	X
Acetone	µg/L	5/ 18	10	0/ 18	1.15	2	6	4.49		D
Aluminum	µg/L	2/ 21	4510	0/ 21	25	33.3	138	30.1		D
Barium	µg/L	19/ 19	140	15/ 19	102	74	420	190	230	X
Boron	µg/L	1/ 21	250	0/ 21	18.5	123	123	44.3		D
Calcium	µg/L	21/ 21	150000	0/ 21	39600	320	150000	77900	92800	N
Chromium	µg/L	4/ 21	11.9	0/ 21	1.01	4	5.2	2.4		D
Cobalt	µg/L	1/ 21	7	0/ 21	0.625	4.5	4.5	2.26		D
Iron	µg/L	11/ 21	2380	0/ 21	87.5	26.9	270	84	117	X
Lithium	µg/L	1/ 1				22	22	22		X
Magnesium	µg/L	21/ 21	43000	0/ 21	7840	5200	29000	15100	16904.2	L
Manganese	µg/L	19/ 21	104	0/ 21	13.2	1.2	47	15.1	15.49175	L
Mercury	µg/L	2/ 16	0.3	1/ 16	0.105	0.18	0.43	0.074		D

Table 3.3 (continued)

Analyte	Units	Results > Detection Limit	Background Criteria	Detects > Background	Standard Deviation	Minimum Detect	Maximum Detect	Average Result	Selected 95% UCL	Dist.
Potassium	μg/L	10/ 21	2300	8/ 21	980	1020	3400	1740		D
Silicon	μg/L	21/ 21	13500	0/ 21	2860	2000	12000	8230	9310	X
Sodium	μg/L	21/ 21	20800	0/ 21	2630	2200	12000	8070	9060	N
Strontium	μg/L	1/ 1				740	740	740		X
Vanadium	μg/L	1/ 21	7.52	0/ 21	0.34	2.4	2.4	1.14		D
Zinc	μg/L	11/ 21	14	0/ 21	2.78	3.4	11	5.13	6.17	X
Bis(2-ethylhexyl)phthalate	μg/L	1/ 5			1.08	3	3	4.9		D
Di-n-butylphthalate	μg/L	1/ 5			1.97	1	1	4.5		D
1,2-Dichloroethane	μg/L	2/ 18			0.84	1	1	2		D
2-Butanone	μg/L	11/ 18	10	0/ 18	1.29	2	6.4	3.68	4.21	N
Carbon disulfide	μg/L	1/ 18	5	0/ 18	0.879	4	4	2.25		D
Trichloroethene	μg/L	4/ 18			1.62	3.4	7	2.74		D
Alpha activity	pCi/L	1/ 15	3.24	0/ 15	0.597	1.41	1.41	0.789		D
Bismuth-214	pCi/L	1/ 3	19	1/ 3	10.3	20	20	8.67		D
Cobalt-60	pCi/L	3/ 19	10.3	0/ 19	1.76	3.78	4.87	1.75		D
Gross Alpha	pCi/L	1/ 3	5.2	1/ 3	11.7	20.9	20.9	7.4		D
Lead-214	pCi/L	1/ 3	11	0/ 3	5.51	11	11	5.33		D
Strontium-90	pCi/L	1/ 19	37.8	0/ 19	0.594	2.06	2.06	0.505		D
Tritium	pCi/L	15/ 18	1570	14/ 18	815000	676	3510000	277000	611000	X

3.1.2.1 Methods

Figure 3.2 displays the overall strategy for estimating contaminant flux and relative risk associated with WAG 6. Contaminant flux is estimated for four different water flowpaths, as depicted in the conceptual "funnel" diagram in Fig. 3.2. Based on several years of collecting rainfall and flow data at WAG 6, most of the water and contaminant flow occurs via surface water, i.e., 85-95%. Most of the remaining flux occurs via ungaged overland flow and ungaged water table interval flow.

A complete description of the integration point method, the method used to estimate contaminant flux and relative risk, is described in DOE 1995a and DOE 1995b. The governing equation for estimating the WAG 6 relative risk RR is:

$$RR = \left[\frac{\sum [Risk_{i,WOD} \left(\frac{Flux_{i,WAG6}}{Flux_{i,WOD}} \right)]}{Risk_{total,WOD}} \right] \times 100, \quad (3-1)$$

where

$Risk_{i,WOD}$ = risk associated with chemical i at the integration point, White Oak Dam (unitless);
 $Flux_{i,WAG6}$ = flux of the i^{th} substance originating at WAG 6 (pCi/time);
 $Flux_{i,WOD}$ = flux of the i^{th} substance identified at White Oak Dam (pCi/time); and
 $Risk_{total,WOD}$ = $\sum Risk_{i,WOD}$, or the sum of the risk estimates for the i^{th} substances identified at White Oak Dam (unitless).

and contaminant flux is estimated by:

$$CF = (C)(Q), \quad (3-2)$$

where

CF = contaminant flux (pCi/time);
 C = media-specific contaminant concentration from sample results (pCi/L); and
 Q = total volume of water passing across WAG 6 boundary (L/time).

Because the new monitoring stations at MS1 and MS3 were not operational until late December 1994 and because monthly composite data are not available for July and August and September, baseline relative risk estimates for WAG 6 are based on 6 months of data from January through June 1995. This should not be a problem since data from the integration point that cover the same time span will be used to estimate the baseline relative risk.

The method for estimating total water volume from each of the four flowpaths and each of the five subsurface drainage areas is presented in DOE 1995a. In general, flows for the four flowpaths are estimated using a simple water balance model. Rainfall and surface water flows are monitored; the

Conceptual Model

Contaminant FLOWPATH GROUPS

- Overland flow at ungaged sites
- Surface water flow at gaged sites (collects both overland runoff and shallow subsurface flow that resurfaces upgradient of gaged stations)
- Shallow groundwater flow at the water table interval
- Intermediate and deep groundwater

Data Analysis Method Used to Address the Decision Rule [Tritium (^3H) Example]

Decision Rule

If the relative risk (RR) associated with the WAG 6 contaminant loading to White Oak Dam increases by a factor of 10 total (or 2 annually), then:

- Aspects of the monitoring plan for the subsequent year may be altered to better understand the increase, and/or
- Source control measures may be implemented.

The equation for estimating relative risk is:

$$RR = \left[\frac{\sum [Risk_{i, WOD} \left(\frac{Flux_{i, WAG 6}}{Flux_{i, WOD}} \right)]}{Risk_{total, WOD}} \right] \times 100$$

Where:

- RR = Relative risk for the watershed
- $Risk_{i, WOD}$ = Risk associated with chemical i at the integration point, WOD
- $Flux_{i, WAG 6}$ = Flow of the ith substance originating at WAG 6
- $Flux_{i, WOD}$ = Flux of the ith substance identified at WOD
- $Risk_{total, WOD}$ = $\sum Risk_{i, WOD}$, or the sum of the risk estimates for the ith substances identified at WOD

Fig. 3.2. Strategy for evaluating WAG 6 relative risk.

shallow and deep groundwater components are estimated using the WAG 6 groundwater model (DOE 1993), leaving evapotranspiration as the only unknown in the water balance equation. Subsurface flows are apportioned based on the surface area of each drainage area. The water balance results are presented in Table 3.4.

Table 3.4. WAG 6 water balance, December 1, 1994 - August 31, 1995

Flowpath	Precipitation (cm)	Percent of available water ^a	Data source
Precipitation (rainfall, snow melt)	68.2		WAG 6 meteorological station
Evapotranspiration	32.2		Estimated for using water balance method
Flow through gaged surface water	33.3	92.6	MS1, MS3 and EWB flow data
Ungaged overland runoff (B and C drainages)		Negligible	Assumption: drainages only flow during heavy storms
Ungaged shallow water table flow	1.9	5.4	WAG 6 groundwater model
Ungaged intermediate/deep flow	<1	<2	WAG 6 groundwater model

^a Available water is precipitation - evapotranspiration.

Relative risk estimates are based on ³H, ⁹⁰Sr, ¹³⁷Cs and ⁶⁰Co, the only contaminants routinely detected at the integration point (WOD), and the contaminants detected routinely at WAG 6. Volatile organics are detected in the water table interval of the groundwater, and infrequently at low concentrations at MS1 and MS3; however, these contaminants quickly volatilize at the WAG boundary and are rarely detected at WOD. Figure 3.2 describes the type of data used to develop the concentrations used in the flux modeling.

3.1.2.2 Results

Table 3.5 provides all the data inputs into the WAG 6 flux model, including total water volumes and contaminant concentrations for each flowpath. Estimated fluxes for each flowpath and each subsurface flow drainage area are provided in Table 3.6. The estimated relative risk for WAG 6 is summarized in Table 3.7.

The WAG 6 relative risk is estimated to be ~5.7 for the baseline year, suggesting WAG 6 contributes between 5% and 6% of the contaminant flux at WOD that results in a potential off-site risk. When the decision to defer action was made in 1993, it was estimated that WAG 6 contributed <2% to off-site risk.

Table 3.5. WAG 6 radionuclide concentration and flow data

	Average Concentrations				Water Volume (L)
	H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Co-60 pCi/L	
WAG 6					
Surface Water at Gaged Sites					
MS1					
Jan	155700	2	ND	ND	7.9E+06
Feb	211600	3	ND	ND	3.9E+06
Mar	207800	7	ND	ND	4.2E+06
Apr	482000	1	ND	ND	2.2E+06
May	233600	2	ND	ND	7.9E+06
Jun	920000	1	ND	ND	1.3E+06
Total					2.7E+07
MS3					
Jan	1447000	162	ND	ND	1.4E+07
Feb	1267000	181	ND	ND	8.7E+06
Mar	1594000	209	ND	ND	9.5E+06
Apr	2258000	275	ND	ND	4.3E+06
May	1447000	153	ND	ND	1.1E+07
Jun	1958000	305	ND	ND	1.2E+06
Total					4.9E+07
Emergency Waste Basin	567000	14	NA	NA	9.7E+06
Ungaged Overland Flow					
B & C	5317	20	ND	ND	NA
Subsurface Drainage Area					
SSFP1	57382	ND	ND	ND	6.6E+02
SSFP2	7412	ND	ND	ND	1.7E+03
SSFP3	126314	ND	ND	ND	4.2E+02
SSFP4	520000	ND	ND	460	7.8E+02
SSFP5	1103238	8	ND	ND	5.5E+02
Total					4.1E+03
Intermediate and Deep Groundwater					
WAG-GW	586000	ND	ND	ND	4.1E+03
White Oak Dam					
Jan	167568	143	20	3	1.6E+09
Feb	194595	135	23	4	1.1E+09
Mar	164865	124	30	5	1.1E+09
Apr	181081	162	39	6	5.7E+08
May	97297	105	29	8	1.4E+09
	86486	186	35	5	4.8E+08

ND = No detected; NA = no data collected

Table 3.6. Flux estimation for WAG 6

	Flux			
	H-3 Ci	Sr-90 Ci	Cs-137 Ci	Co-60 Ci
WAG 6				
Surface Water at Gaged Sites				
MS1				
<i>Jan</i>	1.2E+00	1.7E-05	ND	ND
<i>Feb</i>	8.3E-01	1.1E-05	ND	ND
<i>Mar</i>	8.7E-01	3.0E-05	ND	ND
<i>Apr</i>	1.0E+00	3.2E-06	ND	ND
<i>May</i>	1.8E+00	1.6E-05	ND	ND
<i>Jun</i>	1.2E+00	1.5E-06	ND	ND
Total Flux for Pathway	7.0E+00	8.0E-05	0.0E+00	0.0E+00
MS3				
<i>Jan</i>	2.1E+01	2.3E-03	ND	ND
<i>Feb</i>	1.1E+01	1.6E-03	ND	ND
<i>Mar</i>	1.5E+01	2.0E-03	ND	ND
<i>Apr</i>	9.7E+00	1.2E-03	ND	ND
<i>May</i>	1.6E+01	1.6E-03	ND	ND
<i>Jun</i>	2.3E+00	3.6E-04	ND	ND
Total Flux for Pathway	7.4E+01	9.1E-03	0.0E+00	0.0E+00
Emergency Waste Basin	5.5E+00	1.3E-04	NA	NA
Overland Flow at Ungaged Sites				
B & C	NM	NM	NM	NA
Subsurface Drainage Area				
SSFP1	3.8E-05	ND	ND	ND
SSFP2	1.3E-05	ND	ND	ND
SSFP3	5.3E-05	ND	ND	ND
SSFP4	4.0E-04	ND	ND	3.6E-07
SSFP5	6.1E-04	4.4E-09	ND	ND
Total Flux for Pathway	1.1E-03	4.4E-09	0.0E+00	3.6E-07
Intermediate and Deep Groundwater				
WAG-GW	2.4E-03	ND	ND	ND
Total Flux for WAG 6	8.7E+01	9.3E-03	0.0E+00	3.6E-07
White Oak Dam				
<i>Jan</i>	2.7E+02	2.3E-01	3.2E-02	5.1E-03
<i>Feb</i>	2.1E+02	1.5E-01	2.5E-02	4.1E-03
<i>Mar</i>	1.8E+02	1.3E-01	3.3E-02	5.3E-03
<i>Apr</i>	1.0E+02	9.2E-02	2.2E-02	3.2E-03
<i>May</i>	1.4E+02	1.5E-01	4.1E-02	1.1E-02
<i>Jun</i>	4.1E+01	8.9E-02	1.6E-02	2.4E-03
Total Flux for WOD	9.4E+02	8.4E-01	1.7E-01	3.2E-02

ND = No detected; NA = no data collected

Table 3.7. Relative risk calculations

	³ H	⁹⁰ Sr	¹³⁷ Cs	⁶⁰ Co	Total
Concentration WOD (pCi/L, g/L)					
Concentration WOD (pCi/L)	1.5E+05	1.4E+02	2.9E+01	5.1E+00	
Risk at WOD	1.7E-04	1.1E-04	1.7E-05	1.6E-06	
Flux at WAG 6 (Ci/year)	8.7E+01	9.3E-03	0.0E+00	3.6E-07	
Flux at WOD (Ci/year)	9.4E+02	8.4E-01	1.7E-01	3.2E-02	
Flux ratio	0.0921	0.0110	0.0000	0.0000	
Flux weighted risk	1.6E-05	1.2E-06	0.0E+00	1.8E-11	
Sum of weighted risk, WAG 6					1.7E-05
Total risk at WOD					3.0E-04
WAG 6 relative risk (%)					5.7E+00

Two major factors have contributed to the slight increase in relative risk over the past 4 years, including:

- The impact of the removal actions at WAG 5 Seeps C and D and First Creek. Since seep collection began at these locations, ⁹⁰Sr concentrations at WOD have been decreasing.
- The installation of the new monitoring stations (MS1 and MS3). These stations were designed to better capture all fluxes exiting via the major drainages.

As indicated by the flux ratios presented in Table 3.7, ³H from WAG 6 represents 9% of the total ³H risk at WOD. WAG 6 ⁹⁰Sr releases only account for 1% of the total ⁹⁰Sr risk at WOD. As in previous years, ³H is the primary contributor to the WAG 6 relative risk.

3.2 PO2: MEET REGULATORY REQUIREMENTS

The second PO of the WAG 6 EMP is to collect data necessary for meeting regulatory requirements. Other than CERCLA, one regulatory driver exists for environmental monitoring activities at WAG 6: RCRA requirements. In addition, monitoring is required to comply with the U.S. Department of Energy (DOE) Orders, primarily 5400.1 and 5400.5. DOE Order 5400 requires that releases from DOE facilities be monitored. RCRA requirements at WAG 6 stem from the presence of the RCRA-regulated units in solid waste storage area (SWSA) 6, the solid waste management unit covering most of WAG 6. Interim corrective measures (ICM) caps were placed over all of the units except the Hillcut Test Facility. (Wastes in the Hillcut Test Facility are contained in sealed concrete boxes.) The design life of the ICM caps, which were constructed in 1989, was 5 years, suggesting the effectiveness of the caps is questionable. RCRA monitoring wells are located downgradient of the RCRA-regulated unit, as well as upgradient of the WAG as a whole.

As stated in the EMP, CERCLA monitoring activities have been designed to provide required RCRA monitoring information. At one point it was assumed that the deferred action monitoring at SWSA 6 would move the SWSA from a groundwater assessment mode to postclosure permit monitoring. However, it was determined that CERCLA documentation would suffice for WAG 6 monitoring activities. Changes to future RCRA monitoring efforts are outlined in the current EMP (DOE 1995a).

The baseline year RCRA monitoring was conducted based on SWSA 6 groundwater assessment requirements presented in the 1991 Ground Water Quality Assessment Report (GWQAR) (Energy Systems 1992b) and amended by verbal instruction during a Tennessee Department of Environment and Conservation (TDEC) Compliance Evaluation Investigation (Burroughs 1992). During the baseline monitoring period, 24 RCRA groundwater assessment wells (17 downgradient and 7 upgradient) were monitored and analyzed for RCRA constituents (volatile organics only). Actual monitoring efforts at the 24 RCRA wells included quarterly VOC sampling of ten downgradient perimeter wells, semiannual VOC sampling of three downgradient and three upgradient perimeter wells, and four upgradient and four downgradient perimeter RCRA wells where three VOC samples were collected during baseline sampling.

A summary of the results of the RCRA well sampling is presented in the *1995 Groundwater Quality Assessment Report for the Solid Waste Storage Area 6 at the Oak Ridge National Laboratory* (Energy Systems 1995). Water quality data from RCRA wells collected during the baseline year are summarized in Appendix A and Table 3.8. Well 842, located on the eastern WAG boundary downgradient of Cap 3, continues to display the highest VOC concentrations. However, these concentrations appear to be decreasing. Historically, the maximum reported trichloroethene (TCE) concentration in this well was 510 µg/L (measured in 1988). The highest TCE value in this well for the baseline year was 200 µg/L. Several other VOCs have been detected in other wells including TCE and tetrachloroethene (PCE) in well 841.

Overall, the baseline year results were lower than those in previous years. Several low detections of carbon disulfide were observed in the baseline year that were not observed previously in wells 840, 847, 858, and 1243. The largest of these detections (7 µg/L in well 1243) was the only detection above the detection limit (5 µg/L). Based on the low detection levels and the fact that carbon disulfide has not been identified in the past, the recent detections may be laboratory artifacts. Two other chemicals detected below their detection limits were benzene (2J µg/L) and PCE (2J µg/L) in well 1243.

3.3 PO3: SUPPORT INTERIM AND FINAL ACTIONS

The third PO of the WAG 6 monitoring program is to provide information that can be used to identify future actions at the WAG. Two primary types of information collected to address this goal are internal groundwater data and hydrologic data. Internal groundwater data help identify the primary internal sources that contribute to the off-WAG releases. Hydrologic data help identify the mechanism of contaminant release at the WAG, which in turn will help identify ways to hydrologically control those releases. Much of the hydrological data is continuous water level measurements and continuous meteorological data. Interpretation of these data will be presented in the WOCW RI Report.

Table 3.8. Summary of RCRA well results from the baseline year sampling

RCRA Well	Range of positive results for VOCs ^a analyzed for in the RCRA wells (µg/L)											
	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,2-DCE	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	Styrene	PCE	TCE
1241	ND ^b	ND	ND	0.5J ^c	ND	0.07J	ND	ND	ND	ND	ND	ND
1243	4J	ND	ND	ND	ND	2J	7	ND	ND	ND	2J	ND
745	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
831	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3J	ND
832	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
833	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
835	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
836	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
837	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
838	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
839	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
840	ND	ND	ND	ND	ND	ND	4J	ND	1J-2.2J	ND	ND	ND
841	ND	ND	ND	1J	ND	ND	ND	ND	ND	ND	ND	3.4J-7
842	ND	2J-2.5J	ND	10-12	9-10	ND	ND	32-34	35-40	ND	1J	170-200
843	ND	ND	ND	ND	2J-5	ND	ND	ND	ND	ND	ND	ND
844	ND	ND	ND	ND	ND	ND	4J	ND	ND	ND	ND	ND
846	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
847	ND	ND	ND	ND	ND	ND	4J	ND	ND	ND	ND	ND
855	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
856	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
857	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
858	ND	ND	ND	ND	ND	ND	2J	ND	ND	ND	ND	ND
859	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
860	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^a TCA = Trichloroethane; TCE = Trichloroethene; PCE = Tetrachloroethene; DCA = Dichloroethane; DCE = Dichloroethene

^b ND = No positive detections were observed.

In addition to planned monitoring, data were collected to help track and understand unexplained releases from the recently completed tumulus technology demonstration.

3.3.1 Internal WAG Sources

Shallow internal groundwater wells are located throughout WAG 6 (see Fig. 2.1). These wells generally are located downgradient of major source areas. In addition, two french drains capture groundwater flow and are monitored along with internal wells. Figure 3.3 presents source areas at the WAG, discrete to the extent possible, based on inventory records.

Although a more precise understanding of the connection between these sources and the underlying groundwater will not be available until continuous trench piezometer data are analyzed, connections between sources and nearby wells can be identified using the WAG-wide water table map. The baseline year water table was delineated using the results of two 24-hour water level measurements (Figs. 3.4 and 3.5). The EMP called for a dry season measurement (October) and a wet season measurement (April). Low rainfall amounts in March and April 1995 resulted in the April water table more closely resembling a dry-season water table.

Internal wells were sampled quarterly during the baseline year. Analytes include radionuclides, metals, volatiles, and one quarter of semivolatile and polychlorinated biphenyl analysis. A summary of the internal wells and french drain analysis is presented in Table 3.9 and Appendix A. The most prevalent contaminants at WAG 6 include ^3H , ^{90}Sr , and VOCs. Results for groundwater wells and the perimeter monitoring stations for these contaminants are presented in Figs. 3.6, 3.7, and 3.8, respectively.

As indicated by Fig. 3.6, the primary sources of ^3H are the 19 Trench area (in the northeast portion of the WAG near the EWB), the trenches underlying Cap 2 and the 49 Trench area (just west of Cap 2), both of which feed the South French Drain, and the northeast auger hole area just northeast of Cap 4 historical stream. As in the past, the major source of ^{90}Sr is the high activity trench area underlying and to the north of Cap 1. Internal WAG VOCs releases appear to be associated with the 49 Trench area and the trenches underlying Cap 2.

3.3.2 Tumulus Disposal Demonstration

Baseline monitoring at the Tumulus Facility was performed to establish postcap contaminant release and water flow conditions. It was expected that no releases and little to no water flow would be measured at the exit points of the Facility. Scheduled baseline and performance monitoring sampling locations can be grouped into three different types (Table 3.10).

The internal Tumulus monitoring locations collect water that drains from either the interior of the Tumulus Facility or from the underpads directly beneath the Facility. Water collected from both the pads and the underpads has the potential to come into contact with the vaults that store disposed material stored in the Facility. The external Tumulus monitoring locations collect drainage from the Tumulus Facility cap and, therefore, could not have interacted with wastes inside the Facility. The Tumulus groundwater wells are used to monitor groundwater upgradient (MW 1036) and downgradient (MW 1039) of the Tumulus Facility.

Fig. 3.3. Source areas at WAG 6 based on inventory records.

LEGEND:

-CAPPED AREA
 -----WAG 6 BOUNDARY
 ⊕ 760.00.....WATER LEVEL
 DEEP WELL— not used
 ■ 760.00.....in contouring)
 WATER TABLE
 -----SURFACE

Science Applications
International Corporation

Fig. 3.4. Groundwater table elevations (October 4, 1994).

Fig. 3.5. Groundwater table elevations (April 10, 1995).

Table 3.9. WAG 6 interior groundwater well data summary^a

Analyte	Units	Results > detection limit	Background criteria ^b	Detects > background	Standard deviation	Minimum detect	Maximum detect	Average result	Selected 95% UCL ^c	Dist. ^d
Nitrate	µg/L	37/37	980	1/37	116	420	1200	517	549.00	X
Acetone	µg/L	15/57	10	7/57	1590	1	12000	249		D
Barium	µg/L	56/56	140	44/56	396	53	1620	363	451.00	X
Boron	µg/L	22/54	250	6/54	166	17.9	725	92.4		D
Chromium	µg/L	8/56	11.9	1/56	74.6	3	560	11.9		D
Cobalt	µg/L	7/56	7	5/56	3.79	6	21.5	4.31		D
Copper	µg/L	11/56	7.49	2/56	1.86	2.74	10.7	2.41		D
Manganese	µg/L	49/56	104	20/56	3400	2	14100	1300	2060.00	X
Mercury	µg/L	6/53	0.3	2/53	0.0822	0.097	0.56	0.117		D
Molybdenum	µg/L	3/54			3.82	14	15.5	8.98		D
Nickel	µg/L	9/56	12	8/56	27.8	10	210	11.9		D
Zinc	µg/L	30/56	14	9/56	9.27	3.6	57.6	9.69	8.66	L
4,4'-DDT	µg/L	1/11			0.0333	0.16	0.16	0.0597		D
PCB-1254	µg/L	1/11			0.134	0.06	0.06	0.462		D
Bis(2-ethylhexyl)phthalate	µg/L	2/9			2.15	0.9	3	3.31		D
Di-n-butylphthalate	µg/L	2/9			2.03	0.9	2	3.32		D
Diethylphthalate	µg/L	1/9			0.993	2	2	4.61		D
Phenol	µg/L	1/9			0.417	4	4	4.89		D
1,1,1-Trichloroethane	µg/L	8/58			7.18	0.57	2.6	2.03		D
1,1,2-Trichloroethane	µg/L	1/58			7.19	0.74	0.74	1.92		D
1,1-Dichloroethane	µg/L	9/58			7.58	0.62	13	2.88		D
1,1-Dichloroethene	µg/L	2/58			7.19	0.58	0.6	1.92		D
1,2-Dichloroethane	µg/L	14/58			7.18	0.5	1.1	2		D
Benzene	µg/L	18/58			8.27	0.07	24	3.32		D
Bromodichloromethane	µg/L	1/58			7.2	4	4	1.97		D
Bromomethane	µg/L	1/58			7.24	0.75	0.75	2.09		D
Carbon tetrachloride	µg/L	1/58			7.2	0.4	0.4	1.91		D
Chloroethane	µg/L	5/58			7.23	0.62	2.2	2.14		D

Table 3.9 (continued)

Analyte	Units	Results > detection limit	Background criteria ^b	Detects > background	Standard deviation	Minimum detect	Maximum detect	Average result	Selected 95% UCL ^c	Dist. ^d
Chloroform	µg/L	4/58			7.19	0.1	2.8	2.01		D
Chloromethane	µg/L	8/58			7.23	0.1	1.5	2.11		D
Dimethylbenzene	µg/L	5/54			382	0.85	2800	63.9		D
Ethylbenzene	µg/L	6/58			18.5	0.04	140	3.63		D
Methylene chloride	µg/L	1/58			14.4	0.2	0.2	3.62		D
Tetrachloroethene	µg/L	8/58	5	7/58	35	0.3	140	13.6		D
Toluene	µg/L	9/58			69.6	0.06	530	11.3		D
Trichloroethene	µg/L	12/58			139	0.6	900	41.2		D
Vinyl chloride	µg/L	9/58			11.7	0.1	69	3.94		D
cis-1,2-Dichloroethene	µg/L	21/54			22.3	0.2	81	10.9		D
trans-1,2-Dichloroethene	µg/L	5/58			7.19	0.1	1.3	1.93		D
Actinium-228	pCi/L	1/53	0	1/53	5.62	27	27	3.31		D
Bismuth-214	pCi/L	24/53	19	15/53	28.8	11.5	175	19.3		D
Cesium-134	pCi/L	2/53	0	2/53	1.11	3.6	5.3	0.513		D
Gross Alpha	pCi/L	3/55	5.2	3/55	4.18	10.5	25.1	2.05		D
Gross Beta	pCi/g	1/1				5.14	5.14	5.14		X
Gross Beta	pCi/L	15/22			7010	2.4	24900	2180	4750.00	X
Lead-214	pCi/L	22/53	11	22/53	24.2	11.6	124	16.6		D
Lead-212	pCi/L	7/53	16	4/53	5.98	9.8	21	5.13		D
Potassium-40	pCi/L	2/53	34	2/53	21.6	86	104	13.2		D
Strontium-90	pCi/L	17/57	37.8	5/57	2560	0.89	12700	599		D
Thallium-208	pCi/L	4/53	9.2	2/53	2.92	7.2	11.1	2.94		D
Tritium	pCi/L	65/65	1570	60/65	3600000	440	18300000	1390000	163931.51	L

^a For a complete summary of all detections at WAG 6 see Appendix A.

^b Background UTLs are developed using data from WAG 6 RCRA upgradient wells.

^c An upper confidence limit on the mean is calculated for data sets with frequency of detection > 50%.

^d Distribution : N = normal distribution; L = most closely resembles lognormal distribution; X = distribution significantly different from normal or lognormal; D = assume nonparametric distribution since frequency of detection is <50%.

Well / Station ID	^{90}Sr (pCi/L)	Well / Station ID	Strontium 90 (pCi/L)	Well / Station ID	Strontium 90 (pCi/L)
1036	-2.0E-01	842	1.7E+00	MS1	3.6E+00
1039	9.5E-02	843	1.3E+00	MS3	2.3E+02
1166	2.9E-01	844	7.4E+02	SS-003	-1.0E-01
1225	1.1E+04	845	2.2E-01	SS-005	1.3E-01
1237	3.9E-01	846	-3.0E-02	SS-006	1.4E-01
1241	2.7E-01	847	1.3E+00	SS-007	1.1E+01
1242	7.7E+00	848	4.0E+01	SS-008	7.6E+00
1243	1.4E+00	849	6.4E+00	SFD	1.5E+01
4315	5.5E-01	850	8.3E-01	WFD	-5.0E-02
4316	5.1E-01	851	5.8E-01	WSS-023A	2.0E+00
4317	1.7E+00	852	4.9E-01	WSS-025	1.1E+00
648	-1.0E-01	854	2.4E+00	WSS-033	1.2E+00
745	-1.0E+00	855	1.3E-01	WSS-045	2.0E+01
831	1.9E+01	856	1.9E+00		
832	-8.0E-01	857	2.0E+00		
833	7.2E-01	858	1.2E+00		
835	5.1E-01	859	-1.0E-02		
836	3.1E-01	860	-3.0E-01		
837	4.0E-01				
839	6.1E-01				
839	9.3E-01				
840	1.4E+00				
841	1.7E-01

LEGEND:

- TRENCHES
 WAG 6 BOUNDARY
 856 PERIMETER WELL
 860 INTERIOR WELL

 Fig. 3.7. Average ^{90}Sr values (pCi/L).

LEGEND:

- TRENCHES
- CAPPED AREA
- WAG 6 BOUNDARY
- INTERIOR AND
- ⊕ 840.... PERIMETER WELLS

- XXX 1,2 DCE (total)
- XXX 1,2 DCA
- XXX Trichloroethene
- XXX Tetrachloroethene

NOTE:

- (1) All Values in ug/L; (2) values represent average value
- (2) < Denotes Non-detect;
- (3) number shown is detection limit

October 1995 - September 1996

Fig. 3.8. Average VOC values (µg/L).

Table 3.10. Scheduled Tumulus Facility monitoring locations

Internal Tumulus	External Tumulus	Tumulus monitoring wells
Tumulus 1 pad drain	Cap runoff collection trench	MW 1036
Tumulus 1 underpad drain	Cap vegetative layer subdrain	MW 1039
Tumulus 2 pad drain		
Tumulus 2 underpad drain		

Table 3.11. Nonscheduled baseline year Tumulus Facility sample locations

Location	Sampling dates
MW 1037	10/13/94
MW 1254	10/20/94
MW 1257	10/20/94
MW 1258	10/20/94
Old FB weir	10/13/94 (3 samples), 10/20/94, 10/27/94, 11/3/94, 11/10/94, 11/17/94
FB 1 (stream transect sample)	10/20/94
FB 2 (stream transect sample)	10/20/94
FB 3 (stream transect sample)	10/20/94
FB 1SP (spring sample)	10/20/94
Tumulus Facility valve box	10/20/94, 11/17/94

In late summer 1994, when the cap was under construction, high concentrations of ^3H in the Tumulus 2 pad drain led to a unscheduled monitoring event of several locations near the Tumulus (Table 3.11). This sampling event, along with an interpretation of the findings of the event, are presented in Appendix B.

3.3.3 Summary of Tumulus Monitoring Results

Tritium activity concentrations in the Tumulus Pad and underpad drains is depicted graphically on Fig. 3.9 and summarized in Table 3.12. The highest observed ^3H activity concentrations at the Tumulus Facility occurs in the Tumulus 2 Pad drain. This is consistent with the presence of a known leaking ^3H -bearing vault in Tumulus 2 (Energy Systems 1995). During some dry months, concentration data are missing because flow into the sump was minimal for that sampling period and a sample could not be collected.

Fig. 3.9. ^3H concentrations in Tumulus drains.

Table 3.12. ^3H concentrations in Tumulus drains

Date	^3H concentration (pCi/L)			
	Tumulus 1 pad	Tumulus 1 underpad	Tumulus 2 pad	Tumulus 2 underpad
10/6/94	3.24E+07	1.16E+07	2.19E+09	2.97E+07
10/13/94	3.24E+07	1.68E+07	2.70E+09	4.05E+07
10/20/94	4.87E+07	2.70E+07	3.51E+09	5.95E+07
10/27/94	6.22E+07			
11/3/94	8.92E+07	6.22E+06	3.24E+10	
11/10/94	7.30E+07	7.30E+06	1.27E+11	
11/17/94	7.03E+07	8.11E+06	3.51E+10	
12/19/94	8.38E+07	1.30E+07	4.05E+10	8.11E+06
1/20/95	4.60E+07	2.97E+07	3.51E+10	1.16E+08
2/21/95	2.30E+07	5.14E+07	4.05E+10	7.57E+06
3/31/95	2.00E+08	1.19E+08	5.41E+10	8.65E+07
4/27/95	1.16E+08			3.24E+07
5/17/95	3.24E+07			1.14E+07
7/19/95	2.97E+07	4.05E+08	4.32E+10	4.05E+08
8/17/95	1.30E+07		9.73E+08	
9/14/95	2.97E+07		5.68E+10	8.92E+04

Water flow in the internal Tumulus Facility drains also was greater than expected throughout the baseline year. Discharge from each drain is measured when water in the drain sump reaches a certain level and the sump pump turns on. As a result of this, the precise timing of flow is uncertain, however, the volume of water pumped from each sump in a month can be used to understand water volumes exiting the Facility drains. The highest flow volumes occur from the Tumulus II underpad, which is expected, because it is an open gravel layer intended to suppress any rise in the local water table. Based on as-built cap elevations and water level measurements from nearby wells, it is suspected that there may be a direct connection between the Tumulus II underpad and the groundwater. Based on available data, the total volume of water discharged from the four Tumulus Facility drains during the baseline year was 22,231,735 liters. Both pad and underpad drains received discharge during the wet season. The Tumulus I underpad was dry during the dry season; the Tumulus II pad drain was dry during the dry season except in response to several summer storm events.

An estimate of ^3H flux from the Tumulus Facility drains requires that concentration and flow data be available for all drains over the period of time for which the flux is estimated. Because water samples for ^3H analysis and flow measurements were not collected for the purpose of estimating a total flux, it is not possible to accurately estimate ^3H fluxes from the facility. Additionally, the manner in which flow is measured, i.e., the volume of water pumped from the sump when water reaches a particular level in the sump, adds another uncertainty to the ability to accurately estimate ^3H flux.

Estimates of monthly ^3H fluxes were made by using ^3H activity concentrations from monthly measurements during the baseline year, or the average of the measurements for a single month if more than one measurement was made during that month, and the monthly average flow for each drain. Estimated monthly fluxes are presented in Table 3.13 for which both flow and concentration data are available.

On the basis of the estimated monthly ^3H fluxes from the Tumulus Facility internal drains, a total of 1.47×10^{10} pCi of ^3H was discharged into the drain sumps during the baseline year. However, because internal drain water is being collected and containerized, none of this ^3H is discharged into surface waters at WAG 6.

Samples at the external Tumulus monitoring locations are collected in order to determine ambient external conditions at the Facility for comparison to future measurements. Table 3.14 presents the analytical results for water samples collected from the cap runoff collection trench and the cap vegetative layer subdrain.

The reasons for the releases from the Tumulus Facility are presented in the letter report (Appendix B). In summary, concentrations of ^3H in Tumulus drains have not yet stabilized.

3.3.4 Planned Activities

A work plan is being developed to identify additional investigation activities for the Tumulus Facility. Minimal investigation will provide information for future tumulus design and will take place prior to applying the tumulus technology to the investigation waste management facility.

Table 3.13. Estimated monthly ^3H fluxes (in pCi) from Tumulus Facility internal drains

Date	Tumulus 1 pad	Tumulus 1 underpad	Tumulus 2 pad	Tumulus 2 underpad
Oct 1994	267,668	457,299	3.61E+08	3.82E+06
Nov 1994	472,522	NA ^a	NA	NA
Dec 1994	233,969	NA	NA	1,705
Jan 1995	NA	NA	5.07E+09	10,041
Feb 1995	376,052	NA	NA	1,922
Mar 1995	1.11E+06	NA	3.40E+09	11,898
Apr 1995	NA	NA	NA	228,803
May 1995	109,169	NA	NA	3,853
Jun 1995	NA	NA	NA	NA
Jul 1995	157,218	NA	5.49E+09	NA
Aug 1995	67,697	NA	4.79E+06	NA
Sep 1995	136,011	NA	3.84E+08	NA

^a

NA - Data not available to estimate flux; in some cases the lack of data reflects the fact that flows were too low to collect a sample.

Table 3.14. Results for water analyses (in pCi/L) from external Tumulus monitoring locations

Date	Cap Runoff Collection Trench				Cap Vegetative Layer Subdrain			
	^3H	^{60}Co	Alpha	Beta	^3H	^{60}Co	Alpha	Beta
10/20/94	3514							
11/17/94				17.299				
4/27/94	3244	1.6218	1.8921		4595	-0.8109	0.2703	12.704
9/14/94	1892		0.9731	13.245	7568	-0.2703		

4. REFERENCES

- BNI (Bechtel National, Inc.) 1991. *RCRA Facility Investigation Report for Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*, ES/ER-22/V1&D1, ORNL/ER/Sub-87/99053/5/V1, Oak Ridge, Tennessee.
- Burroughs, C. E. 1992. Personal communication to ORNL Environmental Surveillance and Protection Section staff during the RCRA Compliance Evaluation Investigation, April 27-29.
- CDM 1994. *Seep and Springs Quality Sampling and Analysis Plan for the Environmental Monitoring, Waste Area Groupings 6, Oak Ridge National Laboratory*.
- DOE (U.S. Department of Energy) 1993. *Environmental Monitoring Plan for Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. DOE/OR/01-1192&D1.
- DOE 1994. *Quality Assurance Project Plan for the Environmental Monitoring Plan in Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. DOE/OR/01-1193&D2.
- DOE 1995a. *Environmental Monitoring Plan for Waste Area Grouping 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. DOE/OR/01-1192&D2
- DOE 1995b. *Annual Report on Activities at Waste Area Grouping 6 from February through September 1994 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. DOE/OR/01-1377&D1, June.
- Energy Systems (Martin Marietta Energy Systems, Inc.) 1992a. *Requirements for Quality Control of Analytical Data for the Environmental Restoration Program*, ER/ES/TM-16, Oak Ridge, Tennessee.
- Energy Systems 1992b. *Groundwater Quality Assessment Report for the Solid Waste Storage Area 6 at Oak Ridge National Laboratory, 1991*, Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- Energy Systems 1994a. *Surface Water Sampling and Analysis Plan for Environmental Monitoring in Waste Area Groupings 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*.
- Energy Systems 1994b. *Groundwater Quality Sampling and Analysis Plan for Environmental Monitoring in Waste Area Groupings 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. ORNL/ER-203.
- Energy Systems 1994c. *Groundwater Level Monitoring Sampling and Analysis Plan for Environmental Monitoring in Waste Area Groupings 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. ORNL/ER-199.
- Energy Systems 1994d. *Meteorological Monitoring Sampling and Analysis Plan for Environmental Monitoring in Waste Area Groupings 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee*. ORNL/ER-200.
- Energy Systems 1994e. *Data Management Plan and Functional System Design for the Information Management System of the Clinch River RI and Waste Area Grouping 6*. ORNL/ER-210

Energy Systems 1994f. *Tumulus Environmental Monitoring Plan for the Tumulus Demonstration Disposal Project at Oak Ridge National Laboratory, Oak Ridge, Tennessee*, ORNL-ER-255, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Energy Systems 1995. *Groundwater Quality Assessment Report for the Solid Waste Storage Area 6 at the Oak Ridge National Laboratory, 1994*, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Energy Systems 1996. *Groundwater Quality Assessment Report for the Solid Waste Storage Area 6 at the Oak Ridge National Laboratory, 1995*, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Appendix A

RAW ANALYTICAL DATA

Hit List Detail Report: October 1994 - September 1995
Waste Area Group (WAG) 6 Information Management System

----- Medium=Groundwater Station=1036 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03725	18APR1995	1310	REG	GRAB	1.1		
Metals	Acetone (UG/L)	S03725	18APR1995	1310	REG	GRAB	3.1	J	J
Metals	Aluminum (UG/L)	S01634	13DEC1994	1342	REG	GRAB	1120		
Metals	Aluminum (UG/L)	S02175	09JAN1995	1013	REG	GRAB	326		
Metals	Aluminum (UG/L)	S03727	18APR1995	1315	REG	GRAB	441.57		
Metals	Aluminum (UG/L)	S03735	18APR1995	1334	REG	FILTERED	41.1	B	B
Metals	Aluminum (UG/L)	S04965	05SEP1995	1316	REG	GRAB	182.44	J	B
Metals	Arsenic (UG/L)	S02175	09JAN1995	1013	REG	GRAB	4.1	B	B
Metals	Barium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	248		
Metals	Barium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	242		
Metals	Barium (UG/L)	S03727	18APR1995	1315	REG	GRAB	231.15		
Metals	Barium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	244		
Metals	Barium (UG/L)	S04965	05SEP1995	1316	REG	GRAB	230.34		
Metals	Barium (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	228		
Radionuclides	Bismuth-214 (PCI/L)	S04967	05SEP1995	1308	REG	GRAB	44		
Metals	Boron (UG/L)	S02175	09JAN1995	1013	REG	GRAB	80.2	B	B
Metals	Boron (UG/L)	S03727	18APR1995	1315	REG	GRAB	48.21	B	B
Metals	Boron (UG/L)	S03735	18APR1995	1334	REG	FILTERED	33.8	B	B
Metals	Calcium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	53600		
Metals	Calcium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	56200		
Metals	Calcium (UG/L)	S03727	18APR1995	1315	REG	GRAB	54935.12		
Metals	Calcium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	58300		
Metals	Calcium (UG/L)	S04965	05SEP1995	1316	REG	GRAB	54404.51		
Metals	Calcium (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	54700		
Metals	Chromium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	3.2	B	B
Metals	Chromium (UG/L)	S03727	18APR1995	1315	REG	GRAB	3.77	B	B
Metals	Chromium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	4.4	B	B
Metals	Copper (UG/L)	S03727	18APR1995	1315	REG	GRAB	2.74	B	B
Radionuclides	Gross Beta (PCI/L)	S02176	09JAN1995	956	REG	GRAB	2.7		
Metals	Iron (UG/L)	S01634	13DEC1994	1342	REG	GRAB	1040		
Metals	Iron (UG/L)	S02175	09JAN1995	1013	REG	GRAB	286		
Metals	Iron (UG/L)	S03727	18APR1995	1315	REG	GRAB	432.09		
Metals	Iron (UG/L)	S03735	18APR1995	1334	REG	FILTERED	20.2	B	B
Metals	Iron (UG/L)	S04965	05SEP1995	1316	REG	GRAB	218.14		
Radionuclides	Lead-214 (PCI/L)	S03729	18APR1995	1319	REG	GRAB	14		
Radionuclides	Lead-214 (PCI/L)	S04967	05SEP1995	1308	REG	GRAB	23		
Metals	Magnesium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	8220		
Metals	Magnesium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	8150		
Metals	Magnesium (UG/L)	S03727	18APR1995	1315	REG	GRAB	8288.77		
Metals	Magnesium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	8270		
Metals	Magnesium (UG/L)	S04965	05SEP1995	1316	REG	GRAB	8268.15		
Metals	Magnesium (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	8150		
Metals	Manganese (UG/L)	S01634	13DEC1994	1342	REG	GRAB	143		
Metals	Manganese (UG/L)	S02175	09JAN1995	1013	REG	GRAB	31		

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Waste Area Group (WAG) 6 Information Management System

----- Medium=Groundwater Station=1036 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ ----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S03727	18APR1995	1315	REG	GRAB	38.45		
Metals	Manganese (UG/L)	S03735	18APR1995	1334	REG	FILTERED	12.8	B	B
Metals	Nickel (UG/L)	S03727	18APR1995	1315	REG	GRAB	18.14	B	B
Metals	Nickel (UG/L)	S03735	18APR1995	1334	REG	FILTERED	14.4	B	B
Inorganics	Nitrate (UG/L)	S01639	13DEC1994	1337	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02180	09JAN1995	1008	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04002	18APR1995	1327	REG		500		
Inorganics	Nitrate (UG/L)	S04970	05SEP1995	1322	REG	GRAB	500		
Metals	Potassium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	1150	B	B
Metals	Potassium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	982	B	B
Metals	Potassium (UG/L)	S03727	18APR1995	1315	REG	GRAB	1192.19	B	B
Metals	Potassium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	939	B	B
Metals	Potassium (UG/L)	S04965	05SEP1995	1316	REG	GRAB	1036.44	B	B
Metals	Potassium (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	673	B	B
Metals	Silicon (UG/L)	S01634	13DEC1994	1342	REG	GRAB	9650		
Metals	Silicon (UG/L)	S02175	09JAN1995	1013	REG	GRAB	8520		
Metals	Silicon (UG/L)	S03727	18APR1995	1315	REG	GRAB	8521.44		
Metals	Silicon (UG/L)	S03735	18APR1995	1334	REG	FILTERED	7400		
Metals	Silicon (UG/L)	S04965	05SEP1995	1316	REG	GRAB	8600.61		
Metals	Silicon (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	8030		
Metals	Sodium (UG/L)	S01634	13DEC1994	1342	REG	GRAB	5080		
Metals	Sodium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	5380		
Metals	Sodium (UG/L)	S03727	18APR1995	1315	REG	GRAB	5165.02		
Metals	Sodium (UG/L)	S03735	18APR1995	1334	REG	FILTERED	5170		
Metals	Sodium (UG/L)	S04965	05SEP1995	1316	REG	GRAB	5140.2		
Metals	Sodium (UG/L)	S05228	05SEP1995	1319	REG	FILTERED	5160		
Metals	Thallium (UG/L)	S02175	09JAN1995	1013	REG	GRAB	3.4	B	B
Metals	Thallium (UG/L)	S03727	18APR1995	1315	REG	GRAB	1.14	B	B
Radionuclides	Tritium (PCI/L)	S01034	20OCT1994	902	REG	GRAB	432480		
Radionuclides	Tritium (PCI/L)	S01637	13DEC1994	1328	REG	GRAB	396000		
Radionuclides	Tritium (PCI/L)	S02178	09JAN1995	1002	REG	GRAB	411000	J	
Radionuclides	Tritium (PCI/L)	S03730	18APR1995	1322	REG	GRAB	417000		
Radionuclides	Tritium (PCI/L)	S04968	05SEP1995	1311	REG	GRAB	407000		
Metals	Zinc (UG/L)	S02175	09JAN1995	1013	REG	GRAB	11.8	B	B
Metals	Zinc (UG/L)	S03727	18APR1995	1315	REG	GRAB	17.29	B	B
Metals	Zinc (UG/L)	S03735	18APR1995	1334	REG	FILTERED	12	B	B

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----- Medium=Groundwater Station=1037 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S00978	13OCT1994	1303	REG	GRAB	224349		

----- Medium=Groundwater Station=1039 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03703	20APR1995	1309	REG	GRAB	0.91	J	J
Metals	Acetone (UG/L)	S02182	11JAN1995	1317	REG	GRAB	2.3	J	J
Metals	Acetone (UG/L)	S03703	20APR1995	1309	REG	GRAB	3.9	J	J
Metals	Arsenic (UG/L)	S02184	11JAN1995	1342	REG	GRAB	5.93	B	B
Metals	Barium (UG/L)	S01647	13DEC1994	1254	REG	GRAB	68.8	B	B
Metals	Barium (UG/L)	S02184	11JAN1995	1342	REG	GRAB	79.8	B	B
Radionuclides	Bismuth-214 (PCI/L)	S02186	11JAN1995	1327	REG	GRAB	81		
Radionuclides	Bismuth-214 (PCI/L)	S03707	20APR1995	1316	REG	GRAB	13		
Radionuclides	Bismuth-214 (PCI/L)	S04979	05SEP1995	1013	REG	GRAB	28		
Organics-Volatiles	Bromomethane (UG/L)	S02182	11JAN1995	1317	REG	GRAB	0.75	J	J
Metals	Calcium (UG/L)	S01647	13DEC1994	1254	REG	GRAB	92100		
Metals	Calcium (UG/L)	S02184	11JAN1995	1342	REG	GRAB	96420		
Organics-Volatiles	Chloromethane (UG/L)	S03703	20APR1995	1309	REG	GRAB	0.84	J	J
Radionuclides	Gross Beta (PCI/L)	S01648	13DEC1994	1215	REG	GRAB	3.2		
Radionuclides	Lead-212 (PCI/L)	S02186	11JAN1995	1327	REG	GRAB	17.6		
Radionuclides	Lead-214 (PCI/L)	S02186	11JAN1995	1327	REG	GRAB	83		
Metals	Magnesium (UG/L)	S01647	13DEC1994	1254	REG	GRAB	18000		
Metals	Magnesium (UG/L)	S02184	11JAN1995	1342	REG	GRAB	18980		
Metals	Manganese (UG/L)	S01647	13DEC1994	1254	REG	GRAB	32.4		
Metals	Manganese (UG/L)	S02184	11JAN1995	1342	REG	GRAB	42.2		
Metals	Nickel (UG/L)	S01647	13DEC1994	1254	REG	GRAB	40.6		
Metals	Nickel (UG/L)	S02184	11JAN1995	1342	REG	GRAB	41		
Inorganics	Nitrate (UG/L)	S01652	13DEC1994	1230	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02189	11JAN1995	1337	REG	GRAB	500		
Metals	Potassium (UG/L)	S01647	13DEC1994	1254	REG	GRAB	2160	B	B
Metals	Silicon (UG/L)	S01647	13DEC1994	1254	REG	GRAB	7440		
Metals	Silicon (UG/L)	S02184	11JAN1995	1342	REG	GRAB	6511.17		
Metals	Sodium (UG/L)	S01647	13DEC1994	1254	REG	GRAB	10300		
Metals	Sodium (UG/L)	S02184	11JAN1995	1342	REG	GRAB	11100		
Radionuclides	Tritium (PCI/L)	S00979	13OCT1994	1234	REG	GRAB	40545		
Radionuclides	Tritium (PCI/L)	S01650	13DEC1994	1225	REG	GRAB	127000		
Radionuclides	Tritium (PCI/L)	S02187	11JAN1995	1330	REG	GRAB	129700	J	
Radionuclides	Tritium (PCI/L)	S03708	20APR1995	1323	REG	GRAB	202000		
Metals	Zinc (UG/L)	S02184	11JAN1995	1342	REG	GRAB	12.2	B	B

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----- Medium=Groundwater Station=1166 ML_DESC=Installed in WAG6 for studying trench closures alternatives; Circle - Other well - Not in -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S01371	06DEC1994	1425	REG	GRAB	345.76		
Metals	Aluminum (UG/L)	S02193	10JAN1995	1044	REG	GRAB	2020		
Metals	Aluminum (UG/L)	S03738	24MAY1995	1430	REG	GRAB	529		
Metals	Aluminum (UG/L)	S05009	06SEP1995	945	REG	GRAB	306		
Metals	Antimony (UG/L)	S01371	06DEC1994	1425	REG	GRAB	1.1	B	B
Metals	Barium (UG/L)	S01371	06DEC1994	1425	REG	GRAB	160.89	B	B
Metals	Barium (UG/L)	S02193	10JAN1995	1044	REG	GRAB	175	B	B
Metals	Barium (UG/L)	S03738	24MAY1995	1430	REG	GRAB	139		
Metals	Barium (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	129		
Metals	Barium (UG/L)	S05009	06SEP1995	945	REG	GRAB	158	B	B
Organics-Semivolatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S01369	06DEC1994	1350	REG	GRAB	3	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02195	10JAN1995	1030	REG	GRAB	20		
Metals	Boron (UG/L)	S01371	06DEC1994	1425	REG	GRAB	66.9	B	B
Metals	Boron (UG/L)	S05009	06SEP1995	945	REG	GRAB	31.4	B	B
Metals	Calcium (UG/L)	S01371	06DEC1994	1425	REG	GRAB	92196.22		
Metals	Calcium (UG/L)	S02193	10JAN1995	1044	REG	GRAB	98400		
Metals	Calcium (UG/L)	S03738	24MAY1995	1430	REG	GRAB	89000		
Metals	Calcium (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	86000		
Metals	Calcium (UG/L)	S05009	06SEP1995	945	REG	GRAB	97300		
Metals	Copper (UG/L)	S03738	24MAY1995	1430	REG	GRAB	10.7	B	B
Organics-Semivolatiles	Di-n-butylphthalate (UG/L)	S01369	06DEC1994	1350	REG	GRAB	0.9	J	J
Radionuclides	Gross Beta (PCI/L)	S02194	10JAN1995	1027	REG	GRAB	8.6		
Metals	Iron (UG/L)	S01371	06DEC1994	1425	REG	GRAB	324.53		
Metals	Iron (UG/L)	S02193	10JAN1995	1044	REG	GRAB	2420		
Metals	Iron (UG/L)	S03738	24MAY1995	1430	REG	GRAB	813		
Metals	Iron (UG/L)	S05009	06SEP1995	945	REG	GRAB	495		
Metals	Lead (UG/L)	S01371	06DEC1994	1425	REG	GRAB	1.09	B	B
Metals	Lead (UG/L)	S02193	10JAN1995	1044	REG	GRAB	3.6		
Metals	Lead (UG/L)	S03738	24MAY1995	1430	REG	GRAB	1.1	B	B
Radionuclides	Lead-212 (PCI/L)	S05011	06SEP1995	937	REG	GRAB	9.8		
Radionuclides	Lead-214 (PCI/L)	S02195	10JAN1995	1030	REG	GRAB	19		
Metals	Magnesium (UG/L)	S01371	06DEC1994	1425	REG	GRAB	9321.15		
Metals	Magnesium (UG/L)	S02193	10JAN1995	1044	REG	GRAB	10400		
Metals	Magnesium (UG/L)	S03738	24MAY1995	1430	REG	GRAB	9150		
Metals	Magnesium (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	8850		
Metals	Magnesium (UG/L)	S05009	06SEP1995	945	REG	GRAB	11500		
Metals	Manganese (UG/L)	S01371	06DEC1994	1425	REG	GRAB	14.24	B	B
Metals	Manganese (UG/L)	S02193	10JAN1995	1044	REG	GRAB	91.2		
Metals	Manganese (UG/L)	S03738	24MAY1995	1430	REG	GRAB	25.9		
Metals	Manganese (UG/L)	S05009	06SEP1995	945	REG	GRAB	18.7		
Inorganics	Nitrate (UG/L)	S01376	06DEC1994	1413	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02198	10JAN1995	1039	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04666	24MAY1995	1432	REG		500		
Metals	Potassium (UG/L)	S01371	06DEC1994	1425	REG	GRAB	1508.88	B	B

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----- Medium=Groundwater Station=1166 ML_DESC=Installed in WAG6 for studying trench closures alternatives; Circle - Other well - Not in -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Potassium (UG/L)	S02193	10JAN1995	1044	REG	GRAB	2620	B	B
Metals	Potassium (UG/L)	S03738	24MAY1995	1430	REG	GRAB	2200	B	B
Metals	Potassium (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	1900	B	B
Metals	Potassium (UG/L)	S05009	06SEP1995	945	REG	GRAB	2090	B	B
Metals	Silicon (UG/L)	S01371	06DEC1994	1425	REG	GRAB	5177		
Metals	Silicon (UG/L)	S02193	10JAN1995	1044	REG	GRAB	7690		
Metals	Silicon (UG/L)	S03738	24MAY1995	1430	REG	GRAB	5630		
Metals	Silicon (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	4710		
Metals	Silicon (UG/L)	S05009	06SEP1995	945	REG	GRAB	5540		
Metals	Sodium (UG/L)	S01371	06DEC1994	1425	REG	GRAB	4622.63	B	B
Metals	Sodium (UG/L)	S02193	10JAN1995	1044	REG	GRAB	6300		
Metals	Sodium (UG/L)	S03738	24MAY1995	1430	REG	GRAB	7390		
Metals	Sodium (UG/L)	S03746	24MAY1995	1438	REG	FILTERED	4500	B	B
Metals	Sodium (UG/L)	S05009	06SEP1995	945	REG	GRAB	4690	B	B
Radionuclides	Tritium (PCI/L)	S01374	06DEC1994	1406	REG	GRAB	4420000	J	
Radionuclides	Tritium (PCI/L)	S02196	10JAN1995	1033	REG	GRAB	3730000	J	
Radionuclides	Tritium (PCI/L)	S03741	24MAY1995	1428	REG	GRAB	231500	J	
Radionuclides	Tritium (PCI/L)	S05012	06SEP1995	940	REG	GRAB	1866000	J	
Metals	Zinc (UG/L)	S01371	06DEC1994	1425	REG	GRAB	14.71	B	B
Metals	Zinc (UG/L)	S02193	10JAN1995	1044	REG	GRAB	35.3		
Metals	Zinc (UG/L)	S05009	06SEP1995	945	REG	GRAB	10.2	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S01367	06DEC1994	1346	REG	GRAB	0.9	J	J
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02191	10JAN1995	1020	REG	GRAB	1.2		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S05007	06SEP1995	932	REG	GRAB	0.76	J	J

----- Medium=Groundwater Station=1225 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S02223	17JAN1995	1424	REG	GRAB	51.3	B	B
Metals	Arsenic (UG/L)	S02223	17JAN1995	1424	REG	GRAB	2.7	B	B
Metals	Barium (UG/L)	S02223	17JAN1995	1424	REG	GRAB	137	B	B
Metals	Barium (UG/L)	S04302	25MAY1995	1323	REG	GRAB	155		
Metals	Barium (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	163		
Radionuclides	Bismuth-214 (PCI/L)	S02225	17JAN1995	1411	REG	GRAB	19		
Radionuclides	Bismuth-214 (PCI/L)	S04304	25MAY1995	1317	REG	GRAB	11.5		
Metals	Boron (UG/L)	S02223	17JAN1995	1424	REG	GRAB	474		
Metals	Boron (UG/L)	S04302	25MAY1995	1323	REG	GRAB	474		
Metals	Boron (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	438		
Metals	Calcium (UG/L)	S02223	17JAN1995	1424	REG	GRAB	143000		
Metals	Calcium (UG/L)	S04302	25MAY1995	1323	REG	GRAB	135000		

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----- Medium=Groundwater Station=1225 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	131000		
Metals	Cobalt (UG/L)	S02223	17JAN1995	1424	REG	GRAB	8.6	B	B
Radionuclides	Gross Alpha (PCI/L)	S001855	15DEC1994	1257	REG	GRAB	10.5	J	CL
Radionuclides	Gross Alpha (PCI/L)	S04303	25MAY1995	1315	REG	GRAB	17.5	CL	CL
Radionuclides	Gross Beta (PCI/L)	S001855	15DEC1994	1257	REG	GRAB	22700	CL	CL
Radionuclides	Gross Beta (PCI/L)	S02224	17JAN1995	1408	REG	GRAB	24900	CL	CL
Metals	Iron (UG/L)	S02223	17JAN1995	1424	REG	GRAB	4510		
Metals	Iron (UG/L)	S04302	25MAY1995	1323	REG	GRAB	3520		
Metals	Iron (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	3300		
Metals	Lead (UG/L)	S02223	17JAN1995	1424	REG	GRAB	1.2	B	B
Radionuclides	Lead-212 (PCI/L)	S001856	15DEC1994	1302	REG	GRAB	17		
Radionuclides	Lead-214 (PCI/L)	S04304	25MAY1995	1317	REG	GRAB	11.6		
Metals	Magnesium (UG/L)	S02223	17JAN1995	1424	REG	GRAB	19600		
Metals	Magnesium (UG/L)	S04302	25MAY1995	1323	REG	GRAB	20500		
Metals	Magnesium (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	20400		
Metals	Manganese (UG/L)	S02223	17JAN1995	1424	REG	GRAB	14100		
Metals	Manganese (UG/L)	S04302	25MAY1995	1323	REG	GRAB	13900		
Metals	Manganese (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	13500		
Inorganics	Nitrate (UG/L)	S02228	17JAN1995	1419	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04667	25MAY1995	1333	REG		500		
Metals	Potassium (UG/L)	S02223	17JAN1995	1424	REG	GRAB	1990	B	B
Metals	Potassium (UG/L)	S04302	25MAY1995	1323	REG	GRAB	1980	B	B
Metals	Potassium (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	1970	B	B
Metals	Silicon (UG/L)	S02223	17JAN1995	1424	REG	GRAB	2980		
Metals	Silicon (UG/L)	S04302	25MAY1995	1323	REG	GRAB	3150		
Metals	Silicon (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	3160		
Metals	Sodium (UG/L)	S02223	17JAN1995	1424	REG	GRAB	8820	E	E
Metals	Sodium (UG/L)	S04302	25MAY1995	1323	REG	GRAB	9550		
Metals	Sodium (UG/L)	S04309	25MAY1995	1327	REG	FILTERED	9310		
Radionuclides	Strontium-90 (PCI/L)	S001858	15DEC1994	1315	REG	GRAB	10318		
Radionuclides	Strontium-90 (PCI/L)	S02227	17JAN1995	1416	REG	GRAB	12700	J	
Radionuclides	Strontium-90 (PCI/L)	S04306	25MAY1995	1320	REG	GRAB	10920		
Radionuclides	Thallium-208 (PCI/L)	S001856	15DEC1994	1302	REG	GRAB	11.1		
Radionuclides	Tritium (PCI/L)	S001857	15DEC1994	1312	REG	GRAB	324000	J	
Radionuclides	Tritium (PCI/L)	S02226	17JAN1995	1414	REG	GRAB	409000	J	
Radionuclides	Tritium (PCI/L)	S04305	25MAY1995	1313	REG	GRAB	562000	J	
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S001850	15DEC1994	1250	REG	GRAB	0.73	J	J
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02221	17JAN1995	1404	REG	GRAB	0.74	J	J

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----- Medium=Groundwater Station=1237 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S05025	31AUG1995	1002	REG	GRAB	0.67	J	J
Organics-Pesticides/PCBs	4,4'-DDT (UG/L)	S001974	19DEC1994	1233	REG	GRAB	0.16	J	J
Metals	Acetone (UG/L)	S03751	10MAY1995	957	REG	GRAB	58		
Metals	Acetone (UG/L)	S05025	31AUG1995	1002	REG	GRAB	19		
Metals	Aluminum (UG/L)	S001975	19DEC1994	1252	REG	GRAB	53.3	B	B
Metals	Aluminum (UG/L)	S03753	10MAY1995	1015	REG	GRAB	34.7	B	B
Metals	Aluminum (UG/L)	S05027	31AUG1995	1014	REG	GRAB	75.2	J	B
Metals	Barium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	152	B	B
Metals	Barium (UG/L)	S02241	10JAN1995	1425	REG	GRAB	163	B	B
Metals	Barium (UG/L)	S03753	10MAY1995	1015	REG	GRAB	145	B	B
Metals	Barium (UG/L)	S05027	31AUG1995	1014	REG	GRAB	158	B	B
Metals	Barium (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	160	B	B
Metals	Calcium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	82600		
Metals	Calcium (UG/L)	S02241	10JAN1995	1425	REG	GRAB	96300		
Metals	Calcium (UG/L)	S03753	10MAY1995	1015	REG	GRAB	88600		
Metals	Calcium (UG/L)	S05027	31AUG1995	1014	REG	GRAB	90600		
Metals	Calcium (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	90200		
Metals	Chromium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	3	B	B
Metals	Copper (UG/L)	S001975	19DEC1994	1252	REG	GRAB	5.4	B	B
Radionuclides	Gross Beta (PCI/L)	S001976	19DEC1994	1236	REG	GRAB	2.4		
Metals	Iron (UG/L)	S001975	19DEC1994	1252	REG	GRAB	171		
Metals	Iron (UG/L)	S05027	31AUG1995	1014	REG	GRAB	231		
Metals	Iron (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	126		
Radionuclides	Lead-212 (PCI/L)	S02243	10JAN1995	1409	REG	GRAB	11		
Metals	Magnesium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	14900		
Metals	Magnesium (UG/L)	S02241	10JAN1995	1425	REG	GRAB	17000		
Metals	Magnesium (UG/L)	S03753	10MAY1995	1015	REG	GRAB	16400		
Metals	Magnesium (UG/L)	S05027	31AUG1995	1014	REG	GRAB	16800		
Metals	Magnesium (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	16800		
Metals	Manganese (UG/L)	S001975	19DEC1994	1252	REG	GRAB	17.2		
Metals	Nickel (UG/L)	S02241	10JAN1995	1425	REG	GRAB	14	B	B
Inorganics	Nitrate (UG/L)	S001980	19DEC1994	1247	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02246	10JAN1995	1419	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S05032	31AUG1995	1019	REG	GRAB	500		
Metals	Potassium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	918	B	B
Metals	Potassium (UG/L)	S02241	10JAN1995	1425	REG	GRAB	1240	B	B
Metals	Potassium (UG/L)	S05027	31AUG1995	1014	REG	GRAB	1120	B	B
Metals	Potassium (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	1430	B	B
Metals	Silicon (UG/L)	S001975	19DEC1994	1252	REG	GRAB	10100		
Metals	Silicon (UG/L)	S02241	10JAN1995	1425	REG	GRAB	10800		
Metals	Silicon (UG/L)	S03753	10MAY1995	1015	REG	GRAB	10600		
Metals	Silicon (UG/L)	S05027	31AUG1995	1014	REG	GRAB	10700		
Metals	Silicon (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	10400		
Metals	Sodium (UG/L)	S001975	19DEC1994	1252	REG	GRAB	16500		

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----- Medium=Groundwater Station=1237 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S02241	10JAN1995	1425	REG	GRAB	11600		
Metals	Sodium (UG/L)	S03753	10MAY1995	1015	REG	GRAB	9550		
Metals	Sodium (UG/L)	S05027	31AUG1995	1014	REG	GRAB	11700		
Metals	Sodium (UG/L)	S05232	31AUG1995	1017	REG	FILTERED	11200		
Radionuclides	Strontium-90 (PCI/L)	S05031	31AUG1995	1012	REG	GRAB	2.33		
Radionuclides	Thallium-208 (PCI/L)	S001977	19DEC1994	1242	REG	GRAB	7.2		
Radionuclides	Tritium (PCI/L)	S001978	19DEC1994	1243	REG	GRAB	560	J	
Radionuclides	Tritium (PCI/L)	S02244	10JAN1995	1413	REG	GRAB	440	J	
Radionuclides	Tritium (PCI/L)	S03756	10MAY1995	1010	REG	GRAB	480	J	
Radionuclides	Tritium (PCI/L)	S05030	31AUG1995	1010	REG	GRAB	440		
Metals	Zinc (UG/L)	S001975	19DEC1994	1252	REG	GRAB	9.6	B	B
Metals	Zinc (UG/L)	S03753	10MAY1995	1015	REG	GRAB	9.7	B	B

----- Medium=Groundwater Station=1241 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02248	09JAN1995	1317	REG	GRAB	0.5	J	J
Radionuclides	Actinium-228 (PCI/L)	S03766	26MAY1995	1020	REG	GRAB	27		
Metals	Aluminum (UG/L)	S02005	20DEC1994	1133	REG	GRAB	82.25	B	B
Metals	Aluminum (UG/L)	S02250	09JAN1995	1337	REG	GRAB	450		
Metals	Aluminum (UG/L)	S03764	26MAY1995	1015	REG	GRAB	419		
Metals	Aluminum (UG/L)	S05036	28AUG1995	1333	REG	GRAB	494	J	
Metals	Arsenic (UG/L)	S02250	09JAN1995	1337	REG	GRAB	4	B	B
Metals	Barium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	80.56	B	B
Metals	Barium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	90.6	B	B
Metals	Barium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	94.9		
Metals	Barium (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	78.9		
Metals	Barium (UG/L)	S05036	28AUG1995	1333	REG	GRAB	83.1	B	B
Metals	Barium (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	74.1	B	B
Organics-Volatiles	Benzene (UG/L)	S02248	09JAN1995	1317	REG	GRAB	0.07	J	J
Metals	Boron (UG/L)	S02005	20DEC1994	1133	REG	GRAB	76.97	B	B
Metals	Boron (UG/L)	S02250	09JAN1995	1337	REG	GRAB	45.6	B	B
Metals	Calcium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	87466.46		
Metals	Calcium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	99700		
Metals	Calcium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	94200		
Metals	Calcium (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	90000		
Metals	Calcium (UG/L)	S05036	28AUG1995	1333	REG	GRAB	102000		
Metals	Calcium (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	101000		
Organics-Volatiles	Chloromethane (UG/L)	S03762	26MAY1995	1011	REG	GRAB	0.51	J	J
Organics-Volatiles	Chloromethane (UG/L)	S05034	28AUG1995	1328	REG	GRAB	0.56	J	J

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----- Medium=Groundwater Station=1241 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Chromium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	3.5	B	B
Metals	Copper (UG/L)	S02005	20DEC1994	1133	REG	GRAB	5.85	B	B
Metals	Copper (UG/L)	S02250	09JAN1995	1337	REG	GRAB	5.3	B	B
Metals	Copper (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	3.1	B	B
Organics-Volatiles	Ethylbenzene (UG/L)	S02248	09JAN1995	1317	REG	GRAB	0.04	J	J
Radionuclides	Gross Beta (PCI/L)	S02009	20DEC1994	1131	REG	GRAB	2.9		
Radionuclides	Gross Beta (PCI/L)	S02251	09JAN1995	1322	REG	GRAB	3.7		
Metals	Iron (UG/L)	S02005	20DEC1994	1133	REG	GRAB	146.62		
Metals	Iron (UG/L)	S02250	09JAN1995	1337	REG	GRAB	682		
Metals	Iron (UG/L)	S03764	26MAY1995	1015	REG	GRAB	706		
Metals	Iron (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	102		
Metals	Iron (UG/L)	S05036	28AUG1995	1333	REG	GRAB	565		
Metals	Lead (UG/L)	S02250	09JAN1995	1337	REG	GRAB	2.8	B	B
Metals	Lead (UG/L)	S05036	28AUG1995	1333	REG	GRAB	1.1	B	B
Radionuclides	Lead-212 (PCI/L)	S02252	09JAN1995	1324	REG	GRAB	15		
Metals	Magnesium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	15295.24		
Metals	Magnesium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	14500		
Metals	Magnesium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	15800		
Metals	Magnesium (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	15100		
Metals	Magnesium (UG/L)	S05036	28AUG1995	1333	REG	GRAB	18100		
Metals	Magnesium (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	17300		
Metals	Manganese (UG/L)	S02005	20DEC1994	1133	REG	GRAB	7.07	B	B
Metals	Manganese (UG/L)	S02250	09JAN1995	1337	REG	GRAB	22.1		
Metals	Manganese (UG/L)	S03764	26MAY1995	1015	REG	GRAB	24.4		
Metals	Manganese (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	3.4	B	B
Metals	Manganese (UG/L)	S05036	28AUG1995	1333	REG	GRAB	29.8		
Metals	Nickel (UG/L)	S02250	09JAN1995	1337	REG	GRAB	13.4	B	B
Metals	Nickel (UG/L)	S03764	26MAY1995	1015	REG	GRAB	13.2	B	B
Metals	Nickel (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	14.8	B	B
Inorganics	Nitrate (UG/L)	S02025	20DEC1994	1055	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02255	09JAN1995	1332	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04668	26MAY1995	1026	REG		500		
Inorganics	Nitrate (UG/L)	S05041	28AUG1995	1345	REG	GRAB	500		
Metals	Potassium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	2238.28	B	B
Metals	Potassium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	1770	B	B
Metals	Potassium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	2350	B	B
Metals	Potassium (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	1840	B	B
Metals	Potassium (UG/L)	S05036	28AUG1995	1333	REG	GRAB	2060	B	B
Metals	Potassium (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	2390	B	B
Metals	Silicon (UG/L)	S02005	20DEC1994	1133	REG	GRAB	5186.48		
Metals	Silicon (UG/L)	S02250	09JAN1995	1337	REG	GRAB	5810		
Metals	Silicon (UG/L)	S03764	26MAY1995	1015	REG	GRAB	5360		
Metals	Silicon (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	4580		

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----- Medium=Groundwater Station=1241 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	11334.59		
Metals	Sodium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	8910		
Metals	Sodium (UG/L)	S03764	26MAY1995	1015	REG	GRAB	12300		
Metals	Sodium (UG/L)	S03772	26MAY1995	1035	REG	FILTERED	8770		
Metals	Sodium (UG/L)	S05036	28AUG1995	1333	REG	GRAB	8330		
Metals	Sodium (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	7840		
Metals	Thallium (UG/L)	S02005	20DEC1994	1133	REG	GRAB	3.19	B	B
Metals	Thallium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	3.3	B	B
Organics-Volatiles	Toluene (UG/L)	S02248	09JAN1995	1317	REG	GRAB	0.2	J	J
Radionuclides	Tritium (PCI/L)	S02017	20DEC1994	1006	REG	GRAB	2720	J	
Radionuclides	Tritium (PCI/L)	S02253	09JAN1995	1327	REG	GRAB	2480	J	
Radionuclides	Tritium (PCI/L)	S03767	26MAY1995	1023	REG	GRAB	3280	J	
Radionuclides	Tritium (PCI/L)	S05039	28AUG1995	1340	REG	GRAB	2960		
Metals	Vanadium (UG/L)	S02250	09JAN1995	1337	REG	GRAB	3.1	B	B
Metals	Zinc (UG/L)	S02005	20DEC1994	1133	REG	GRAB	13.25	B	B
Metals	Zinc (UG/L)	S02250	09JAN1995	1337	REG	GRAB	21.2		
Metals	Zinc (UG/L)	S03764	26MAY1995	1015	REG	GRAB	57.6		
Metals	Zinc (UG/L)	S05036	28AUG1995	1333	REG	GRAB	14	B	B
Metals	Zinc (UG/L)	S05233	28AUG1995	1350	REG	FILTERED	8.6	B	B

----- Medium=Groundwater Station=1242 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S00921	14OCT1994	936	REG	GRAB	7.2	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02652	09FEB1995	1253	REG	GRAB	3	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03773	04MAY1995	955	REG	GRAB	2	JB	JB
Metals	Acetone (UG/L)	S00921	14OCT1994	936	REG	GRAB	17		
Radionuclides	Alpha activity (PCI/L)	S03776	04MAY1995	1000	REG	GRAB	4.3248		
Radionuclides	Alpha activity (PCI/L)	S05046	17JUL1995	1013	REG	GRAB	5.1357		
Metals	Aluminum (UG/L)	S03775	04MAY1995	1010	REG	GRAB	54		
Metals	Barium (UG/L)	S00925	14OCT1994	1000	REG	GRAB	130		
Metals	Barium (UG/L)	S02654	09FEB1995	1321	REG	GRAB	120		
Metals	Barium (UG/L)	S03775	04MAY1995	1010	REG	GRAB	120		
Metals	Barium (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	120		
Metals	Calcium (UG/L)	S00925	14OCT1994	1000	REG	GRAB	120000		
Metals	Calcium (UG/L)	S02654	09FEB1995	1321	REG	GRAB	120000		
Metals	Calcium (UG/L)	S03775	04MAY1995	1010	REG	GRAB	120000		
Metals	Calcium (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	120000		
Metals	Chromium (UG/L)	S00925	14OCT1994	1000	REG	GRAB	4.4		
Metals	Chromium (UG/L)	S02654	09FEB1995	1321	REG	GRAB	5.2		

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----- Medium=Groundwater Station=1242 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S03775	04MAY1995	1010	REG	GRAB	94		
Metals	Magnesium (UG/L)	S00925	14OCT1994	1000	REG	GRAB	15000		
Metals	Magnesium (UG/L)	S02654	09FEB1995	1321	REG	GRAB	16000		
Metals	Magnesium (UG/L)	S03775	04MAY1995	1010	REG	GRAB	13000		
Metals	Magnesium (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	13000		
Metals	Manganese (UG/L)	S00925	14OCT1994	1000	REG	GRAB	2.6		
Metals	Manganese (UG/L)	S02654	09FEB1995	1321	REG	GRAB	2.7		
Metals	Manganese (UG/L)	S03775	04MAY1995	1010	REG	GRAB	4.8		
Metals	Mercury (UG/L)	S02654	09FEB1995	1321	REG	GRAB	0.18		
Inorganics	Nitrate (UG/L)	S00930	14OCT1994	955	REG	GRAB	2500		
Inorganics	Nitrate (UG/L)	S02659	09FEB1995	1312	REG	GRAB	2130		
Inorganics	Nitrate (UG/L)	S04034	04MAY1995	1015	REG		4800		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00929	14OCT1994	953	REG	GRAB	18.921		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S02658	09FEB1995	1307	REG	GRAB	1.27041		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03779	04MAY1995	1007	REG	GRAB	2.9733		
Metals	Silicon (UG/L)	S00925	14OCT1994	1000	REG	GRAB	7100		
Metals	Silicon (UG/L)	S02654	09FEB1995	1321	REG	GRAB	7800		
Metals	Silicon (UG/L)	S03775	04MAY1995	1010	REG	GRAB	6800		
Metals	Silicon (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	6700		
Metals	Sodium (UG/L)	S00925	14OCT1994	1000	REG	GRAB	6000		
Metals	Sodium (UG/L)	S02654	09FEB1995	1321	REG	GRAB	6200		
Metals	Sodium (UG/L)	S03775	04MAY1995	1010	REG	GRAB	5700		
Metals	Sodium (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	5800		
Radionuclides	Tritium (PCI/L)	S00928	14OCT1994	948	REG	GRAB	245973		
Radionuclides	Tritium (PCI/L)	S02657	09FEB1995	1304	REG	GRAB	210834		
Radionuclides	Tritium (PCI/L)	S03778	04MAY1995	1005	REG	GRAB	189210		
Metals	Zinc (UG/L)	S03783	04MAY1995	1012	REG	FILTERED	7.6		

----- Medium=Groundwater Station=1243 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S02661	16FEB1995	1324	REG	GRAB	4		
Organics-Volatiles	2-Butanone (UG/L)	S00945	19OCT1994	1404	REG	GRAB	4.1	J	J
Organics-Volatiles	2-Butanone (UG/L)	S03784	03MAY1995	1404	REG	GRAB	2	JB	JB
Metals	Acetone (UG/L)	S00945	19OCT1994	1404	REG	GRAB	43		
Metals	Acetone (UG/L)	S03784	03MAY1995	1404	REG	GRAB	12		
Metals	Acetone (UG/L)	S05052	17JUL1995	1256	REG	GRAB	10		
Radionuclides	Alpha activity (PCI/L)	S01090	20OCT1994	1258	REG	GRAB	2.27052		
Radionuclides	Alpha activity (PCI/L)	S03787	03MAY1995	1411	REG	GRAB	2.18943		
Metals	Antimony (UG/L)	S00949	19OCT1994	1428	REG	GRAB	5		

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----- Medium=Groundwater Station=1243 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Barium (UG/L)	S00949	19OCT1994	1428	REG	GRAB	140		
Metals	Barium (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	96		
Metals	Barium (UG/L)	S02942	17FEB1995	1413	REG	GRAB	92		
Organics-Volatiles	Benzene (UG/L)	S05052	17JUL1995	1256	REG	GRAB	2	J	J
Radionuclides	Beta activity (PCI/L)	S01090	20OCT1994	1258	REG	GRAB	183.804		
Metals	Calcium (UG/L)	S00949	19OCT1994	1428	REG	GRAB	95000		
Metals	Calcium (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	120000		
Metals	Calcium (UG/L)	S02942	17FEB1995	1413	REG	GRAB	120000		
Organics-Volatiles	Carbon disulfide (UG/L)	S05052	17JUL1995	1256	REG	GRAB	7		
Metals	Chromium (UG/L)	S02942	17FEB1995	1413	REG	GRAB	7.2		
Radionuclides	Cobalt-60 (PCI/L)	S01091	20OCT1994	1304	REG	GRAB	140.556		
Radionuclides	Cobalt-60 (PCI/L)	S02665	16FEB1995	1331	REG	FILTERED	459.51		
Radionuclides	Cobalt-60 (PCI/L)	S02940	17FEB1995	1408	REG	GRAB	459.51		
Radionuclides	Cobalt-60 (PCI/L)	S03788	03MAY1995	1413	REG	GRAB	270.3		
Metals	Iron (UG/L)	S02942	17FEB1995	1413	REG	GRAB	72		
Metals	Magnesium (UG/L)	S00949	19OCT1994	1428	REG	GRAB	8400		
Metals	Magnesium (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	5900		
Metals	Magnesium (UG/L)	S02942	17FEB1995	1413	REG	GRAB	5800		
Metals	Manganese (UG/L)	S00949	19OCT1994	1428	REG	GRAB	11		
Metals	Manganese (UG/L)	S02942	17FEB1995	1413	REG	GRAB	2.1		
Metals	Mercury (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	0.27		
Metals	Mercury (UG/L)	S02942	17FEB1995	1413	REG	GRAB	0.29		
Inorganics	Nitrate (UG/L)	S01092	20OCT1994	1304	REG	GRAB	640		
Inorganics	Nitrate (UG/L)	S02669	16FEB1995	1346	REG	GRAB	2590		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S02667	16FEB1995	1337	REG	FILTERED	1.67586		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03790	03MAY1995	1417	REG	GRAB	2.703		
Metals	Silicon (UG/L)	S00949	19OCT1994	1428	REG	GRAB	6400		
Metals	Silicon (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	6900		
Metals	Silicon (UG/L)	S02942	17FEB1995	1413	REG	GRAB	7500		
Metals	Sodium (UG/L)	S00949	19OCT1994	1428	REG	GRAB	4500		
Metals	Sodium (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	5300		
Metals	Sodium (UG/L)	S02942	17FEB1995	1413	REG	GRAB	5600		
Organics-Volatiles	Tetrachloroethene (UG/L)	S02661	16FEB1995	1324	REG	GRAB	2	J	J
Radionuclides	Tritium (PCI/L)	S00952	19OCT1994	1415	REG	GRAB	1405560		
Radionuclides	Tritium (PCI/L)	S02939	17FEB1995	1406	REG	GRAB	1378530		
Radionuclides	Tritium (PCI/L)	S03789	03MAY1995	1415	REG	GRAB	1405560		
Metals	Zinc (UG/L)	S00949	19OCT1994	1428	REG	GRAB	23		
Metals	Zinc (UG/L)	S02663	16FEB1995	1341	REG	FILTERED	9.5		

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----- Medium=Groundwater Station=1254 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01035	20OCT1994	915	REG	GRAB	1459.62		

----- Medium=Groundwater Station=1257 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01036	20OCT1994	939	REG	GRAB	5406		

----- Medium=Groundwater Station=1258 ML_DESC=Installed in WAG6 to monitor tumulus area; Circle - Other well - Not in one of other categ -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01037	20OCT1994	852	REG	GRAB	32436		

----- Medium=Groundwater Station=4131 ML_DESC= -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01038	20OCT1994	1219	REG	GRAB	56763		

----- Medium=Groundwater Station=4315 ML_DESC= -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S02259	11JAN1995	1057	REG	GRAB	5040		
Metals	Aluminum (UG/L)	S03819	10MAY1995	1337	REG	GRAB	1280		
Metals	Aluminum (UG/L)	S05063	30AUG1995	912	REG	GRAB	999		
Metals	Aluminum (UG/L)	S05236	30AUG1995	925	REG	FILTERED	293	J	
Metals	Barium (UG/L)	S02259	11JAN1995	1057	REG	GRAB	179	B	B
Metals	Barium (UG/L)	S03819	10MAY1995	1337	REG	GRAB	295		
Metals	Barium (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	104	B	B
Metals	Barium (UG/L)	S05063	30AUG1995	912	REG	GRAB	267		
Metals	Barium (UG/L)	S05236	30AUG1995	925	REG	FILTERED	121	B	B
Radionuclides	Bismuth-214 (PCI/L)	S02261	11JAN1995	1047	REG	GRAB	39		
Radionuclides	Bismuth-214 (PCI/L)	S03821	10MAY1995	1343	REG	GRAB	21		
Metals	Calcium (UG/L)	S02259	11JAN1995	1057	REG	GRAB	52000		

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----- Medium=Groundwater Station=4315 ML_DESC= -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S03819	10MAY1995	1337	REG	GRAB	63800		
Metals	Calcium (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	50600		
Metals	Calcium (UG/L)	S05063	30AUG1995	912	REG	GRAB	52300		
Metals	Calcium (UG/L)	S05236	30AUG1995	925	REG	FILTERED	49300		
Metals	Chromium (UG/L)	S02259	11JAN1995	1057	REG	GRAB	3.9	B	B
Metals	Chromium (UG/L)	S05063	30AUG1995	912	REG	GRAB	6.9	B	B
Metals	Cobalt (UG/L)	S05063	30AUG1995	912	REG	GRAB	6.9	B	B
Metals	Copper (UG/L)	S03819	10MAY1995	1337	REG	GRAB	4.2	B	B
Metals	Copper (UG/L)	S05063	30AUG1995	912	REG	GRAB	8.2	B	B
Metals	Copper (UG/L)	S05236	30AUG1995	925	REG	FILTERED	6.3	B	B
Radionuclides	Gross Alpha (PCI/L)	S01175	28OCT1994	944	REG	GRAB	2.31	J	
Radionuclides	Gross Alpha (PCI/L)	S02260	11JAN1995	1045	REG	GRAB	22.6	J	CL
Radionuclides	Gross Alpha (PCI/L)	S03820	10MAY1995	1340	REG	GRAB	20	J	CL
Radionuclides	Gross Alpha (PCI/L)	S05064	30AUG1995	914	REG	GRAB	14	J	CL
Radionuclides	Gross Beta (PCI/L)	S02260	11JAN1995	1045	REG	GRAB	17.4	CL	CL
Metals	Iron (UG/L)	S02259	11JAN1995	1057	REG	GRAB	5490		
Metals	Iron (UG/L)	S03819	10MAY1995	1337	REG	GRAB	1730	J	
Metals	Iron (UG/L)	S05063	30AUG1995	912	REG	GRAB	1820		
Metals	Iron (UG/L)	S05236	30AUG1995	925	REG	FILTERED	383		
Metals	Lead (UG/L)	S02259	11JAN1995	1057	REG	GRAB	9.8		
Metals	Lead (UG/L)	S03819	10MAY1995	1337	REG	GRAB	15.8		
Radionuclides	Lead-214 (PCI/L)	S03821	10MAY1995	1343	REG	GRAB	25		
Metals	Magnesium (UG/L)	S02259	11JAN1995	1057	REG	GRAB	5040		
Metals	Magnesium (UG/L)	S03819	10MAY1995	1337	REG	GRAB	5410		
Metals	Magnesium (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	4190	B	B
Metals	Magnesium (UG/L)	S05063	30AUG1995	912	REG	GRAB	4990	B	B
Metals	Magnesium (UG/L)	S05236	30AUG1995	925	REG	FILTERED	4220	B	B
Metals	Manganese (UG/L)	S02259	11JAN1995	1057	REG	GRAB	405		
Metals	Manganese (UG/L)	S03819	10MAY1995	1337	REG	GRAB	981		
Metals	Manganese (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	20.3		
Metals	Manganese (UG/L)	S05063	30AUG1995	912	REG	GRAB	1140		
Metals	Manganese (UG/L)	S05236	30AUG1995	925	REG	FILTERED	59		
Metals	Manganese (UG/L)	S02264	11JAN1995	1053	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04040	10MAY1995	1357	REG		500		
Inorganics	Nitrate (UG/L)	S05068	30AUG1995	922	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S05063	30AUG1995	912	REG	GRAB	1910	B	B
Metals	Potassium (UG/L)	S05236	30AUG1995	925	REG	FILTERED	2020	B	B
Metals	Silicon (UG/L)	S02259	11JAN1995	1057	REG	GRAB	16200		
Metals	Silicon (UG/L)	S03819	10MAY1995	1337	REG	GRAB	10600		
Metals	Silicon (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	9170		
Metals	Silicon (UG/L)	S05063	30AUG1995	912	REG	GRAB	12100		
Metals	Silicon (UG/L)	S05236	30AUG1995	925	REG	FILTERED	9940		
Metals	Sodium (UG/L)	S02259	11JAN1995	1057	REG	GRAB	31700		

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----- Medium=Groundwater Station=4315 ML_DESC= -----
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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S03819	10MAY1995	1337	REG	GRAB	17100		
Metals	Sodium (UG/L)	S03827	10MAY1995	1400	REG	FILTERED	16900		
Metals	Sodium (UG/L)	S05063	30AUG1995	912	REG	GRAB	11400		
Metals	Sodium (UG/L)	S05236	30AUG1995	925	REG	FILTERED	12500		
Radionuclides	Tritium (PCI/L)	S01177	28OCT1994	956	REG	GRAB	1280	=	
Radionuclides	Tritium (PCI/L)	S02262	11JAN1995	1049	REG	GRAB	1430	J	
Radionuclides	Tritium (PCI/L)	S03822	10MAY1995	1346	REG	GRAB	1370	J	
Radionuclides	Tritium (PCI/L)	S05066	30AUG1995	918	REG	GRAB	1110		
Metals	Zinc (UG/L)	S02259	11JAN1995	1057	REG	GRAB	47.4		
Metals	Zinc (UG/L)	S03819	10MAY1995	1337	REG	GRAB	32.4		
Metals	Zinc (UG/L)	S05063	30AUG1995	912	REG	GRAB	24.8		
Metals	Zinc (UG/L)	S05236	30AUG1995	925	REG	FILTERED	18.4	B	B

----- Medium=Groundwater Station=4316 ML_DESC= -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02266	12JAN1995	1252	REG	GRAB	0.63	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S05070	30AUG1995	1247	REG	GRAB	0.62	J	J
Metals	Acetone (UG/L)	S03828	08MAY1995	1322	REG	GRAB	5.7		
Metals	Aluminum (UG/L)	S01187	03NOV1994	940	REG	GRAB	909	N	N
Metals	Aluminum (UG/L)	S02268	12JAN1995	1317	REG	GRAB	603		
Metals	Aluminum (UG/L)	S03830	08MAY1995	1328	REG	GRAB	153.39	B	B
Metals	Aluminum (UG/L)	S05072	30AUG1995	1251	REG	GRAB	914.18	J	
Metals	Aluminum (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	68.2	J	B
Metals	Arsenic (UG/L)	S01187	03NOV1994	940	REG	GRAB	30.6	N	N
Metals	Barium (UG/L)	S01187	03NOV1994	940	REG	GRAB	291	N	N
Metals	Barium (UG/L)	S02268	12JAN1995	1317	REG	GRAB	357		
Metals	Barium (UG/L)	S03830	08MAY1995	1328	REG	GRAB	320.56		
Metals	Barium (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	309		
Metals	Barium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	343.41		
Metals	Barium (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	324		
Organics-Semivolatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S01185	03NOV1994	907	REG	GRAB	3	J	J
Metals	Boron (UG/L)	S02268	12JAN1995	1317	REG	GRAB	85.9	B	B
Metals	Calcium (UG/L)	S01187	03NOV1994	940	REG	GRAB	138000	J	*
Metals	Calcium (UG/L)	S02268	12JAN1995	1317	REG	GRAB	148000		
Metals	Calcium (UG/L)	S03830	08MAY1995	1328	REG	GRAB	142778.59		
Metals	Calcium (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	139000		
Metals	Calcium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	141473.81		
Metals	Calcium (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	140000		
Organics-Volatiles	Chloroform (UG/L)	S02266	12JAN1995	1252	REG	GRAB	0.68	J	J

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----- Medium=Groundwater Station=4316 ML_DESC= -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	Chloromethane (UG/L)	S03828	08MAY1995	1322	REG	GRAB	3.7		
Metals	Chromium (UG/L)	S01187	03NOV1994	940	REG	GRAB	5.5	J	B
Metals	Chromium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	4.85	B	B
Radionuclides	Cobalt-57 (PCI/L)	S03832	08MAY1995	1334	REG	GRAB	3.4		
Metals	Copper (UG/L)	S02268	12JAN1995	1317	REG	GRAB	8.2	J	B
Metals	Copper (UG/L)	S05072	30AUG1995	1251	REG	GRAB	5.53	B	B
Radionuclides	Gross Alpha (PCI/L)	S02269	12JAN1995	1257	REG	GRAB	7	CL	CL
Radionuclides	Gross Beta (PCI/L)	S02269	12JAN1995	1257	REG	GRAB	5.3	CL	CL
Metals	Iron (UG/L)	S01187	03NOV1994	940	REG	GRAB	643	N	N
Metals	Iron (UG/L)	S02268	12JAN1995	1317	REG	GRAB	898		
Metals	Iron (UG/L)	S05072	30AUG1995	1251	REG	GRAB	1226.29		
Metals	Lead (UG/L)	S01187	03NOV1994	940	REG	GRAB	718	N	N
Radionuclides	Lead-212 (PCI/L)	S02270	12JAN1995	1259	REG	GRAB	26		
Radionuclides	Lead-214 (PCI/L)	S02270	12JAN1995	1259	REG	GRAB	17		
Metals	Magnesium (UG/L)	S01187	03NOV1994	940	REG	GRAB	16200		
Metals	Magnesium (UG/L)	S02268	12JAN1995	1317	REG	GRAB	18600		
Metals	Magnesium (UG/L)	S03830	08MAY1995	1328	REG	GRAB	18252.13		
Metals	Magnesium (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	18300		
Metals	Magnesium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	19226.28		
Metals	Magnesium (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	18600		
Metals	Manganese (UG/L)	S01187	03NOV1994	940	REG	GRAB	356	J	
Metals	Manganese (UG/L)	S02268	12JAN1995	1317	REG	GRAB	225		
Metals	Manganese (UG/L)	S03830	08MAY1995	1328	REG	GRAB	147.86		
Metals	Manganese (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	123		
Metals	Manganese (UG/L)	S05072	30AUG1995	1251	REG	GRAB	161.88		
Metals	Manganese (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	139		
Metals	Mercury (UG/L)	S01187	03NOV1994	940	REG	GRAB	0.22	*	*
Inorganics	Nitrate (UG/L)	S02273	12JAN1995	1313	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04207	08MAY1995	1343	REG		500		
Inorganics	Nitrate (UG/L)	S05077	30AUG1995	1300	REG	GRAB	500		
Metals	Potassium (UG/L)	S01187	03NOV1994	940	REG	GRAB	2600	B	B
Metals	Potassium (UG/L)	S02268	12JAN1995	1317	REG	GRAB	1770	J	B
Metals	Potassium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	2597.64	B	B
Metals	Potassium (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	2050	B	B
Metals	Selenium (UG/L)	S01187	03NOV1994	940	REG	GRAB	828	N	N
Metals	Silicon (UG/L)	S01187	03NOV1994	940	REG	GRAB	8770	J	
Metals	Silicon (UG/L)	S02268	12JAN1995	1317	REG	GRAB	7500		
Metals	Silicon (UG/L)	S03830	08MAY1995	1328	REG	GRAB	6466.24		
Metals	Silicon (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	8660		
Metals	Silicon (UG/L)	S05072	30AUG1995	1251	REG	GRAB	7797.87		
Metals	Silicon (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	5910		
Metals	Sodium (UG/L)	S01187	03NOV1994	940	REG	GRAB	6240	J	E
Metals	Sodium (UG/L)	S02268	12JAN1995	1317	REG	GRAB	10900		

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----- Medium=Groundwater Station=4316 ML_DESC= -----
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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S03830	08MAY1995	1328	REG	GRAB	7716.99		
Metals	Sodium (UG/L)	S03838	08MAY1995	1345	REG	FILTERED	7550		
Metals	Sodium (UG/L)	S05072	30AUG1995	1251	REG	GRAB	8042.24		
Metals	Sodium (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	7870		
Metals	Thallium (UG/L)	S01187	03NOV1994	940	REG	GRAB	653	J	*
Radionuclides	Tritium (PCI/L)	S01190	03NOV1994	926	REG	GRAB	31800	=	
Radionuclides	Tritium (PCI/L)	S02271	12JAN1995	1303	REG	GRAB	32900	J	
Radionuclides	Tritium (PCI/L)	S03833	08MAY1995	1336	REG	GRAB	34000	J	
Radionuclides	Tritium (PCI/L)	S05075	30AUG1995	1257	REG	GRAB	37000		
Metals	Zinc (UG/L)	S02268	12JAN1995	1317	REG	GRAB	31.9	J	
Metals	Zinc (UG/L)	S05072	30AUG1995	1251	REG	GRAB	14.91	B	B
Metals	Zinc (UG/L)	S05237	30AUG1995	1303	REG	FILTERED	10.9	B	B

----- Medium=Groundwater Station=4317 ML_DESC= -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03456	13APR1995	952	REG	GRAB	0.73	J	J
Metals	Acetone (UG/L)	S03456	13APR1995	952	REG	GRAB	3.8	J	J
Metals	Aluminum (UG/L)	S01880	15DEC1994	1437	REG	GRAB	523		
Metals	Aluminum (UG/L)	S02347	25JAN1995	1402	REG	GRAB	540.93		
Metals	Aluminum (UG/L)	S03459	13APR1995	1007	REG	GRAB	478.73		
Metals	Barium (UG/L)	S01880	15DEC1994	1437	REG	GRAB	72.8	B	B
Metals	Barium (UG/L)	S02347	25JAN1995	1402	REG	GRAB	56.66	B	B
Metals	Barium (UG/L)	S03459	13APR1995	1007	REG	GRAB	51.99	B	B
Metals	Barium (UG/L)	S03537	13APR1995	1057	REG	FILTERED	42.1	B	B
Radionuclides	Bismuth-214 (PCI/L)	S02349	25JAN1995	1342	REG	GRAB	40		
Radionuclides	Bismuth-214 (PCI/L)	S03463	13APR1995	1018	REG	GRAB	15		
Metals	Boron (UG/L)	S03459	13APR1995	1007	REG	GRAB	23.88	B	B
Metals	Boron (UG/L)	S03537	13APR1995	1057	REG	FILTERED	25.7	B	B
Metals	Calcium (UG/L)	S01880	15DEC1994	1437	REG	GRAB	55600		
Metals	Calcium (UG/L)	S02347	25JAN1995	1402	REG	GRAB	41948.37		
Metals	Calcium (UG/L)	S03459	13APR1995	1007	REG	GRAB	41516.12		
Metals	Calcium (UG/L)	S03537	13APR1995	1057	REG	FILTERED	39200		
Metals	Chromium (UG/L)	S03459	13APR1995	1007	REG	GRAB	3.35	B	B
Metals	Copper (UG/L)	S01880	15DEC1994	1437	REG	GRAB	5.3	B	B
Metals	Copper (UG/L)	S02347	25JAN1995	1402	REG	GRAB	7.07	B	B
Metals	Copper (UG/L)	S03459	13APR1995	1007	REG	GRAB	3.33	B	B
Radionuclides	Gross Alpha (PCI/L)	S01881	15DEC1994	1407	REG	GRAB	7.4	CL	CL
Radionuclides	Gross Alpha (PCI/L)	S03461	13APR1995	1013	REG	GRAB	4.3		
Radionuclides	Gross Beta (PCI/L)	S01881	15DEC1994	1407	REG	GRAB	16.8		

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----- Medium=Groundwater Station=4317 ML_DESC= -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/L)	S02348	25JAN1995	1335	REG	GRAB	7.7		
Radionuclides	Gross Beta (PCI/L)	S03461	13APR1995	1013	REG	GRAB	24.1		
Metals	Iron (UG/L)	S01880	15DEC1994	1437	REG	GRAB	857	J	
Metals	Iron (UG/L)	S02347	25JAN1995	1402	REG	GRAB	823.49		
Metals	Iron (UG/L)	S03459	13APR1995	1007	REG	GRAB	762.03	*	*
Metals	Iron (UG/L)	S03537	13APR1995	1057	REG	FILTERED	16.1	B	B
Metals	Lead (UG/L)	S03459	13APR1995	1007	REG	GRAB	1.91	B	B
Radionuclides	Lead-214 (PCI/L)	S02349	25JAN1995	1342	REG	GRAB	46		
Radionuclides	Lead-214 (PCI/L)	S03463	13APR1995	1018	REG	GRAB	17		
Metals	Magnesium (UG/L)	S01880	15DEC1994	1437	REG	GRAB	7510		
Metals	Magnesium (UG/L)	S02347	25JAN1995	1402	REG	GRAB	5810.27		
Metals	Magnesium (UG/L)	S03459	13APR1995	1007	REG	GRAB	4618.14	B	B
Metals	Magnesium (UG/L)	S03537	13APR1995	1057	REG	FILTERED	4240	B	B
Metals	Manganese (UG/L)	S01880	15DEC1994	1437	REG	GRAB	76.4		
Metals	Manganese (UG/L)	S02347	25JAN1995	1402	REG	GRAB	176.98		
Metals	Manganese (UG/L)	S03459	13APR1995	1007	REG	GRAB	91.61		
Metals	Manganese (UG/L)	S03537	13APR1995	1057	REG	FILTERED	13.8	B	B
Inorganics	Nitrate (UG/L)	S02352	25JAN1995	1409	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S03469	13APR1995	1034	REG	FILTERED	930		
Metals	Silicon (UG/L)	S01880	15DEC1994	1437	REG	GRAB	4910		
Metals	Silicon (UG/L)	S02347	25JAN1995	1402	REG	GRAB	5235.44		
Metals	Silicon (UG/L)	S03459	13APR1995	1007	REG	GRAB	5599.29		
Metals	Silicon (UG/L)	S03537	13APR1995	1057	REG	FILTERED	4570		
Metals	Sodium (UG/L)	S01880	15DEC1994	1437	REG	GRAB	5410		
Metals	Sodium (UG/L)	S02347	25JAN1995	1402	REG	GRAB	5199.64		
Metals	Sodium (UG/L)	S03459	13APR1995	1007	REG	GRAB	5270.17		
Metals	Sodium (UG/L)	S03537	13APR1995	1057	REG	FILTERED	2800	B	B
Radionuclides	Strontium-90 (PCI/L)	S01884	15DEC1994	1419	REG	GRAB	2.27		
Radionuclides	Strontium-90 (PCI/L)	S02351	25JAN1995	1356	REG	GRAB	2.5		
Radionuclides	Strontium-90 (PCI/L)	S03467	13APR1995	1028	REG	GRAB	0.46		
Radionuclides	Tritium (PCI/L)	S01883	15DEC1994	1416	REG	GRAB	8440		
Radionuclides	Tritium (PCI/L)	S02350	25JAN1995	1349	REG	GRAB	7000		
Radionuclides	Tritium (PCI/L)	S03465	13APR1995	1024	REG	GRAB	7380		
Metals	Vanadium (UG/L)	S02347	25JAN1995	1402	REG	GRAB	3.24	B	B
Metals	Zinc (UG/L)	S01880	15DEC1994	1437	REG	GRAB	41.1		
Metals	Zinc (UG/L)	S02347	25JAN1995	1402	REG	GRAB	80.4		
Metals	Zinc (UG/L)	S03459	13APR1995	1007	REG	GRAB	90.5		
Metals	Zinc (UG/L)	S03537	13APR1995	1057	REG	FILTERED	43.5		

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----- Medium=Groundwater Station=648 ML_DESC=Square - RAP + post_RAP piezometer (water level measurement well) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S01419	08DEC1994	902	REG	GRAB	0.96		
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S02095	03JAN1995	1237	REG	GRAB	0.66	J	J
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S03839	06APR1995	1307	REG	GRAB	0.96	J	J
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S04669	29AUG1995	1231	REG	GRAB	0.66	J	J
Organics-Volatiles	1,1,2-Trichloroethane (UG/L)	S01419	08DEC1994	902	REG	GRAB	0.74	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S01419	08DEC1994	902	REG	GRAB	0.62	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02095	03JAN1995	1237	REG	GRAB	1.1		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03839	06APR1995	1307	REG	GRAB	0.65	J	J
Metals	Acetone (UG/L)	S03839	06APR1995	1307	REG	GRAB	3.3	J	J
Metals	Aluminum (UG/L)	S03848	06APR1995	1335	REG	FILTERED	43.9	B	B
Metals	Antimony (UG/L)	S01423	08DEC1994	907	REG	GRAB	2.8	B	B
Metals	Antimony (UG/L)	S03841	06APR1995	1315	REG	GRAB	2	B	B
Metals	Antimony (UG/L)	S04671	29AUG1995	1235	REG	GRAB	1		
Metals	Arsenic (UG/L)	S02097	03JAN1995	1301	REG	GRAB	3.84	B	B
Metals	Arsenic (UG/L)	S04671	29AUG1995	1235	REG	GRAB	2		
Metals	Barium (UG/L)	S01423	08DEC1994	907	REG	GRAB	179	B	B
Metals	Barium (UG/L)	S02097	03JAN1995	1301	REG	GRAB	153	B	B
Metals	Barium (UG/L)	S03841	06APR1995	1315	REG	GRAB	165	B	B
Metals	Barium (UG/L)	S03848	06APR1995	1335	REG	FILTERED	163	B	B
Metals	Barium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	165	B	
Metals	Barium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	168	B	
Organics-Volatiles	Benzene (UG/L)	S01419	08DEC1994	902	REG	GRAB	2	J	
Organics-Volatiles	Benzene (UG/L)	S02095	03JAN1995	1237	REG	GRAB	1.2		
Organics-Volatiles	Benzene (UG/L)	S04669	29AUG1995	1231	REG	GRAB	0.66	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02099	03JAN1995	1244	REG	GRAB	26		
Radionuclides	Bismuth-214 (PCI/L)	S04673	29AUG1995	1239	REG	GRAB	19		
Metals	Boron (UG/L)	S01423	08DEC1994	907	REG	GRAB	26.6	B	B
Metals	Boron (UG/L)	S02097	03JAN1995	1301	REG	GRAB	41.2	B	B
Metals	Boron (UG/L)	S03841	06APR1995	1315	REG	GRAB	45.2	B	B
Metals	Boron (UG/L)	S03848	06APR1995	1335	REG	FILTERED	31.5	B	B
Organics-Volatiles	Bromodichloromethane (UG/L)	S02095	03JAN1995	1237	REG	GRAB	4		
Metals	Calcium (UG/L)	S01423	08DEC1994	907	REG	GRAB	86800		
Metals	Calcium (UG/L)	S02097	03JAN1995	1301	REG	GRAB	96900		
Metals	Calcium (UG/L)	S03841	06APR1995	1315	REG	GRAB	101000		
Metals	Calcium (UG/L)	S03848	06APR1995	1335	REG	FILTERED	101000		
Metals	Calcium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	103000	=	
Metals	Calcium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	106000	=	
Organics-Volatiles	Chloroform (UG/L)	S01419	08DEC1994	902	REG	GRAB	2.8	J	
Organics-Volatiles	Chloroform (UG/L)	S02095	03JAN1995	1237	REG	GRAB	2.3		
Organics-Volatiles	Chloroform (UG/L)	S03839	06APR1995	1307	REG	GRAB	2.5		
Organics-Volatiles	Chloroform (UG/L)	S04669	29AUG1995	1231	REG	GRAB	2.2		
Metals	Cobalt (UG/L)	S04671	29AUG1995	1235	REG	GRAB	6		
Metals	Cobalt (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	6		
Metals	Copper (UG/L)	S04671	29AUG1995	1235	REG	GRAB	3		

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----- Medium=Groundwater Station=648 ML_DESC=Square - RAP + post_RAP piezometer (water level measurement well) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Copper (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	3.6		
Radionuclides	Europium-152 (PCI/L)	S02099	03JAN1995	1244	REG	GRAB	13		
Radionuclides	Gross Beta (PCI/L)	S03842	06APR1995	1318	REG	GRAB	7.4	CL	CL
Metals	Iron (UG/L)	S01423	08DEC1994	907	REG	GRAB	10.2	B	B
Metals	Iron (UG/L)	S02097	03JAN1995	1301	REG	GRAB	19.7	B	B
Metals	Iron (UG/L)	S03841	06APR1995	1315	REG	GRAB	16.4	B	B
Metals	Iron (UG/L)	S03848	06APR1995	1335	REG	FILTERED	14.7	B	B
Metals	Iron (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	83.9		
Metals	Lead (UG/L)	S04671	29AUG1995	1235	REG	GRAB	1		
Radionuclides	Lead-214 (PCI/L)	S02099	03JAN1995	1244	REG	GRAB	35		
Radionuclides	Lead-214 (PCI/L)	S04673	29AUG1995	1239	REG	GRAB	15		
Metals	Magnesium (UG/L)	S01423	08DEC1994	907	REG	GRAB	6490		
Metals	Magnesium (UG/L)	S02097	03JAN1995	1301	REG	GRAB	6910		
Metals	Magnesium (UG/L)	S03841	06APR1995	1315	REG	GRAB	7320		
Metals	Magnesium (UG/L)	S03848	06APR1995	1335	REG	FILTERED	7380		
Metals	Magnesium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	7580		
Metals	Magnesium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	7850		
Metals	Manganese (UG/L)	S01423	08DEC1994	907	REG	GRAB	3160		
Metals	Manganese (UG/L)	S02097	03JAN1995	1301	REG	GRAB	766		
Metals	Manganese (UG/L)	S03841	06APR1995	1315	REG	GRAB	769		
Metals	Manganese (UG/L)	S03848	06APR1995	1335	REG	FILTERED	393		
Metals	Manganese (UG/L)	S04671	29AUG1995	1235	REG	GRAB	626		
Metals	Manganese (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	600		
Metals	Mercury (UG/L)	S04671	29AUG1995	1235	REG	GRAB	0.2		
Metals	Molybdenum (UG/L)	S04671	29AUG1995	1235	REG	GRAB	14		
Metals	Molybdenum (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	14		
Inorganics	Nitrate (UG/L)	S01428	08DEC1994	915	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02102	03JAN1995	1257	REG	GRAB	1200		
Inorganics	Nitrate (UG/L)	S03846	06APR1995	1327	REG	FILTERED	1100	H	H
Inorganics	Nitrate (UG/L)	S04676	29AUG1995	1244	REG	FILTERED	1100		
Metals	Potassium (UG/L)	S03841	06APR1995	1315	REG	GRAB	1090	B	B
Metals	Potassium (UG/L)	S03848	06APR1995	1335	REG	FILTERED	806	B	B
Metals	Potassium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	974		
Metals	Potassium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	1030		
Metals	Selenium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	3		
Metals	Silicon (UG/L)	S01423	08DEC1994	907	REG	GRAB	10900		
Metals	Silicon (UG/L)	S02097	03JAN1995	1301	REG	GRAB	10500		
Metals	Silicon (UG/L)	S03841	06APR1995	1315	REG	GRAB	10700		
Metals	Silicon (UG/L)	S03848	06APR1995	1335	REG	FILTERED	10500		
Metals	Silicon (UG/L)	S04671	29AUG1995	1235	REG	GRAB	10800		
Metals	Silicon (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	11300		
Metals	Sodium (UG/L)	S01423	08DEC1994	907	REG	GRAB	10200		
Metals	Sodium (UG/L)	S02097	03JAN1995	1301	REG	GRAB	8030		

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----- Medium=Groundwater Station=648 ML_DESC=Square - RAP + post_RAP piezometer (water level measurement well) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S03841	06APR1995	1315	REG	GRAB	8530		
Metals	Sodium (UG/L)	S03848	06APR1995	1335	REG	FILTERED	8410		
Metals	Sodium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	8750		
Metals	Sodium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	8830		
Organics-Volatiles	Tetrachloroethene (UG/L)	S02095	03JAN1995	1237	REG	GRAB	91	E	E
Organics-Volatiles	Tetrachloroethene (UG/L)	S03839	06APR1995	1307	REG	GRAB	89		
Organics-Volatiles	Tetrachloroethene (UG/L)	S04669	29AUG1995	1231	REG	GRAB	96		
Metals	Thallium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	1		
Radionuclides	Thallium-208 (PCI/L)	S02099	03JAN1995	1244	REG	GRAB	10.4		
Organics-Volatiles	Toluene (UG/L)	S03839	06APR1995	1307	REG	GRAB	0.07	J	J
Organics-Volatiles	Toluene (UG/L)	S04669	29AUG1995	1231	REG	GRAB	0.66	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S02095	03JAN1995	1237	REG	GRAB	120	E	E
Organics-Volatiles	Trichloroethene (UG/L)	S03839	06APR1995	1307	REG	GRAB	150	E	E
Organics-Volatiles	Trichloroethene (UG/L)	S04669	29AUG1995	1231	REG	GRAB	280		
Radionuclides	Tritium (PCI/L)	S01426	08DEC1994	912	REG	GRAB	21100	J	
Radionuclides	Tritium (PCI/L)	S02100	03JAN1995	1249	REG	GRAB	24900		
Radionuclides	Tritium (PCI/L)	S03844	06APR1995	1323	REG	GRAB	34100		
Radionuclides	Tritium (PCI/L)	S04674	29AUG1995	1241	REG	GRAB	49200		
Metals	Vanadium (UG/L)	S04671	29AUG1995	1235	REG	GRAB	4		
Metals	Vanadium (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	4		
Metals	Zinc (UG/L)	S01423	08DEC1994	907	REG	GRAB	3.6	B	B
Metals	Zinc (UG/L)	S02097	03JAN1995	1301	REG	GRAB	12.5	B	B
Metals	Zinc (UG/L)	S03841	06APR1995	1315	REG	GRAB	11	B	B
Metals	Zinc (UG/L)	S03848	06APR1995	1335	REG	FILTERED	17.1	B	B
Metals	Zinc (UG/L)	S04671	29AUG1995	1235	REG	GRAB	6.1		
Metals	Zinc (UG/L)	S05198	29AUG1995	1247	REG	FILTERED	15.6		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02095	03JAN1995	1237	REG	GRAB	50	E	E
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03839	06APR1995	1307	REG	GRAB	57		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04669	29AUG1995	1231	REG	GRAB	64		
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S01419	08DEC1994	902	REG	GRAB	1.3		

----- Medium=Groundwater Station=745 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02705	02FEB1995	926	REG		2	JB	JB
Metals	Acetone (UG/L)	S01468	09DEC1994	926	REG	GRAB	3	J	J
Metals	Barium (UG/L)	S01472	09DEC1994	959	REG	GRAB	393		
Metals	Barium (UG/L)	S02106	02FEB1995	950	REG	GRAB	380		
Metals	Barium (UG/L)	S03853	20APR1995	1000	REG	FILTERED	440		
Metals	Barium (UG/L)	S04680	10AUG1995	900	REG	GRAB	420		

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----- Medium=Groundwater Station=745 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Barium (UG/L)	S05199	10AUG1995	917	REG	FILTERED	400		
Metals	Boron (UG/L)	S03853	20APR1995	1000	REG	FILTERED	106		
Metals	Calcium (UG/L)	S01472	09DEC1994	959	REG	GRAB	57200		
Metals	Calcium (UG/L)	S02106	02FEB1995	950	REG	GRAB	49000		
Metals	Calcium (UG/L)	S03853	20APR1995	1000	REG	FILTERED	65300		
Metals	Calcium (UG/L)	S04680	10AUG1995	900	REG	GRAB	69000		
Metals	Calcium (UG/L)	S05199	10AUG1995	917	REG	FILTERED	59000		
Radionuclides	Cobalt-60 (PCI/L)	S02709	02FEB1995	935	REG		4.8654		
Metals	Iron (UG/L)	S01472	09DEC1994	959	REG	GRAB	211		
Metals	Iron (UG/L)	S02106	02FEB1995	950	REG	GRAB	190		
Metals	Iron (UG/L)	S03853	20APR1995	1000	REG	FILTERED	187		
Metals	Iron (UG/L)	S04680	10AUG1995	900	REG	GRAB	240		
Metals	Iron (UG/L)	S05199	10AUG1995	917	REG	FILTERED	220		
Metals	Magnesium (UG/L)	S01472	09DEC1994	959	REG	GRAB	12200		
Metals	Magnesium (UG/L)	S02106	02FEB1995	950	REG	GRAB	11000		
Metals	Magnesium (UG/L)	S03853	20APR1995	1000	REG	FILTERED	14000		
Metals	Magnesium (UG/L)	S04680	10AUG1995	900	REG	GRAB	13000		
Metals	Magnesium (UG/L)	S05199	10AUG1995	917	REG	FILTERED	12000		
Metals	Manganese (UG/L)	S02106	02FEB1995	950	REG	GRAB	24		
Metals	Manganese (UG/L)	S03853	20APR1995	1000	REG	FILTERED	32.8		
Metals	Manganese (UG/L)	S04680	10AUG1995	900	REG	GRAB	34		
Metals	Manganese (UG/L)	S05199	10AUG1995	917	REG	FILTERED	33		
Metals	Mercury (UG/L)	S02106	02FEB1995	950	REG	GRAB	0.43		
Metals	Molybdenum (UG/L)	S05199	10AUG1995	917	REG	FILTERED	40		
Inorganics	Nitrate (UG/L)	S01477	09DEC1994	948	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04003	20APR1995	1003	REG		500		
Metals	Potassium (UG/L)	S01472	09DEC1994	959	REG	GRAB	2420	B	B
Metals	Potassium (UG/L)	S03853	20APR1995	1000	REG	FILTERED	2800	B	B
Metals	Potassium (UG/L)	S04680	10AUG1995	900	REG	GRAB	2900		
Metals	Potassium (UG/L)	S05199	10AUG1995	917	REG	FILTERED	2600		
Metals	Silicon (UG/L)	S01472	09DEC1994	959	REG	GRAB	9370		
Metals	Silicon (UG/L)	S02106	02FEB1995	950	REG	GRAB	9700		
Metals	Silicon (UG/L)	S03853	20APR1995	1000	REG	FILTERED	10300		
Metals	Silicon (UG/L)	S04680	10AUG1995	900	REG	GRAB	9800		
Metals	Silicon (UG/L)	S05199	10AUG1995	917	REG	FILTERED	9600		
Metals	Sodium (UG/L)	S01472	09DEC1994	959	REG	GRAB	10300		
Metals	Sodium (UG/L)	S02106	02FEB1995	950	REG	GRAB	11000		
Metals	Sodium (UG/L)	S03853	20APR1995	1000	REG	FILTERED	12100		
Metals	Sodium (UG/L)	S04680	10AUG1995	900	REG	GRAB	9900		
Metals	Sodium (UG/L)	S05199	10AUG1995	917	REG	FILTERED	10000		
Radionuclides	Tritium (PCI/L)	S02710	02FEB1995	939	REG		459510		
Radionuclides	Tritium (PCI/L)	S04683	10AUG1995	907	REG	GRAB	4054.5		
Metals	Zinc (UG/L)	S03853	20APR1995	1000	REG	FILTERED	9.9	B	B

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----- Medium=Groundwater Station=745 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Zinc (UG/L)	S04680	10AUG1995	900	REG	GRAB	9.3		
Metals	Zinc (UG/L)	S05199	10AUG1995	917	REG	FILTERED	8.6		

----- Medium=Groundwater Station=831 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02712	14FEB1995	1001	REG	GRAB	5	JB	JB
Radionuclides	Alpha activity (PCI/L)	S04690	12JUL1995	1040	REG	GRAB	2.9733		
Metals	Barium (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	64		
Metals	Barium (UG/L)	S03857	12APR1995	1307	REG	FILTERED	68.9	B	B
Metals	Barium (UG/L)	S04689	12JUL1995	1036	REG	GRAB	69		
Metals	Boron (UG/L)	S03857	12APR1995	1307	REG	FILTERED	34.8	B	B
Metals	Calcium (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	120000		
Metals	Calcium (UG/L)	S03857	12APR1995	1307	REG	FILTERED	114000		
Metals	Calcium (UG/L)	S04689	12JUL1995	1036	REG	GRAB	110000		
Radionuclides	Gross Alpha (PCI/L)	S01346	01DEC1994	1229	REG	GRAB	5.2	CL	CL
Metals	Iron (UG/L)	S03857	12APR1995	1307	REG	FILTERED	20.9	B	B
Radionuclides	Lead-212 (PCI/L)	S01347	01DEC1994	1240	REG	GRAB	16		
Radionuclides	Lead-214 (PCI/L)	S01347	01DEC1994	1240	REG	GRAB	11		
Metals	Magnesium (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	15000		
Metals	Magnesium (UG/L)	S03857	12APR1995	1307	REG	FILTERED	15700		
Metals	Magnesium (UG/L)	S04689	12JUL1995	1036	REG	GRAB	13000		
Metals	Manganese (UG/L)	S04689	12JUL1995	1036	REG	GRAB	1		
Inorganics	Nitrate (UG/L)	S02718	14FEB1995	1020	REG	GRAB	980		
Inorganics	Nitrate (UG/L)	S03854	12APR1995	1300	REG	FILTERED	500		
Metals	Potassium (UG/L)	S03857	12APR1995	1307	REG	FILTERED	802	B	B
Metals	Silicon (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	7900		
Metals	Silicon (UG/L)	S03857	12APR1995	1307	REG	FILTERED	7980		
Metals	Silicon (UG/L)	S04689	12JUL1995	1036	REG	GRAB	6600		
Metals	Silver (UG/L)	S03857	12APR1995	1307	REG	FILTERED	3.2	B	B
Metals	Sodium (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	8400		
Metals	Sodium (UG/L)	S03857	12APR1995	1307	REG	FILTERED	8670		
Metals	Sodium (UG/L)	S04689	12JUL1995	1036	REG	GRAB	7800		
Organics-Volatiles	Tetrachloroethene (UG/L)	S02712	14FEB1995	1001	REG	GRAB	3	J	J
Radionuclides	Tritium (PCI/L)	S01348	01DEC1994	1245	REG	GRAB	640		
Radionuclides	Tritium (PCI/L)	S04692	12JUL1995	1046	REG	GRAB	1378.53		
Metals	Zinc (UG/L)	S02720	14FEB1995	1017	REG	FILTERED	5		
Metals	Zinc (UG/L)	S03857	12APR1995	1307	REG	FILTERED	15.7	B	B

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----- Medium=Groundwater Station=832 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02721	14FEB1995	857	REG	GRAB	3	JB	JB
Metals	Acetone (UG/L)	S04696	12JUL1995	937	REG	GRAB	6	J	J
Metals	Barium (UG/L)	S02729	14FEB1995	915	REG	FILTERED	17		
Metals	Barium (UG/L)	S03861	12APR1995	1243	REG	FILTERED	17.9	B	B
Metals	Barium (UG/L)	S04698	12JUL1995	942	REG	GRAB	16		
Metals	Barium (UG/L)	S05201	12JUL1995	956	REG	FILTERED	16		
Metals	Boron (UG/L)	S03861	12APR1995	1243	REG	FILTERED	38.4	B	B
Metals	Calcium (UG/L)	S02729	14FEB1995	915	REG	FILTERED	160000		
Metals	Calcium (UG/L)	S03861	12APR1995	1243	REG	FILTERED	170000		
Metals	Calcium (UG/L)	S04698	12JUL1995	942	REG	GRAB	150000		
Metals	Calcium (UG/L)	S05201	12JUL1995	956	REG	FILTERED	150000		
Metals	Iron (UG/L)	S02729	14FEB1995	915	REG	FILTERED	100		
Metals	Iron (UG/L)	S03861	12APR1995	1243	REG	FILTERED	182	*	*
Metals	Iron (UG/L)	S04698	12JUL1995	942	REG	GRAB	310		
Metals	Iron (UG/L)	S05201	12JUL1995	956	REG	FILTERED	210		
Metals	Magnesium (UG/L)	S02729	14FEB1995	915	REG	FILTERED	44000		
Metals	Magnesium (UG/L)	S03861	12APR1995	1243	REG	FILTERED	45900		
Metals	Magnesium (UG/L)	S04698	12JUL1995	942	REG	GRAB	43000		
Metals	Magnesium (UG/L)	S05201	12JUL1995	956	REG	FILTERED	42000		
Metals	Manganese (UG/L)	S02729	14FEB1995	915	REG	FILTERED	16		
Metals	Manganese (UG/L)	S03861	12APR1995	1243	REG	FILTERED	20.1		
Metals	Manganese (UG/L)	S04698	12JUL1995	942	REG	GRAB	15		
Metals	Manganese (UG/L)	S05201	12JUL1995	956	REG	FILTERED	15		
Inorganics	Nitrate (UG/L)	S03858	12APR1995	1237	REG	FILTERED	500		
Inorganics	Nitrate (UG/L)	S04703	12JUL1995	952	REG	GRAB	400		
Metals	Potassium (UG/L)	S03861	12APR1995	1243	REG	FILTERED	2190	B	B
Metals	Silicon (UG/L)	S02729	14FEB1995	915	REG	FILTERED	10000		
Metals	Silicon (UG/L)	S03861	12APR1995	1243	REG	FILTERED	12800		
Metals	Silicon (UG/L)	S04698	12JUL1995	942	REG	GRAB	12000		
Metals	Silicon (UG/L)	S05201	12JUL1995	956	REG	FILTERED	12000		
Metals	Sodium (UG/L)	S02729	14FEB1995	915	REG	FILTERED	14000		
Metals	Sodium (UG/L)	S03861	12APR1995	1243	REG	FILTERED	14400		
Metals	Sodium (UG/L)	S04698	12JUL1995	942	REG	GRAB	13000		
Metals	Sodium (UG/L)	S05201	12JUL1995	956	REG	FILTERED	13000		
Metals	Vanadium (UG/L)	S04698	12JUL1995	942	REG	GRAB	2.2		
Metals	Zinc (UG/L)	S03861	12APR1995	1243	REG	FILTERED	16.6	B	B
Metals	Zinc (UG/L)	S04698	12JUL1995	942	REG	GRAB	6.2		
Metals	Zinc (UG/L)	S05201	12JUL1995	956	REG	FILTERED	6		

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----- Medium=Groundwater Station=833 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02730	03FEB1995	1059	REG	GRAB	3	JB	JB
Metals	Barium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	481		
Metals	Barium (UG/L)	S02115	30JAN1995	1330	REG	GRAB	460		
Metals	Barium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	492		
Metals	Barium (UG/L)	S04707	09AUG1995	935	REG	GRAB	440		
Metals	Barium (UG/L)	S05202	09AUG1995	950	REG	FILTERED	470		
Metals	Boron (UG/L)	S01485	12DEC1994	1025	REG	GRAB	85.6	B	B
Metals	Boron (UG/L)	S03865	19APR1995	1335	REG	FILTERED	98.5	B	B
Metals	Calcium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	91000		
Metals	Calcium (UG/L)	S02115	30JAN1995	1330	REG	GRAB	86000		
Metals	Calcium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	91100		
Metals	Calcium (UG/L)	S04707	09AUG1995	935	REG	GRAB	89000		
Metals	Calcium (UG/L)	S05202	09AUG1995	950	REG	FILTERED	93000		
Metals	Chromium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	3.1	B	B
Metals	Iron (UG/L)	S01485	12DEC1994	1025	REG	GRAB	573		
Metals	Iron (UG/L)	S02115	30JAN1995	1330	REG	GRAB	600		
Metals	Iron (UG/L)	S03865	19APR1995	1335	REG	FILTERED	296		
Metals	Iron (UG/L)	S04707	09AUG1995	935	REG	GRAB	530		
Metals	Iron (UG/L)	S05202	09AUG1995	950	REG	FILTERED	260		
Metals	Magnesium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	17200		
Metals	Magnesium (UG/L)	S02115	30JAN1995	1330	REG	GRAB	15000		
Metals	Magnesium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	17400		
Metals	Magnesium (UG/L)	S04707	09AUG1995	935	REG	GRAB	16000		
Metals	Magnesium (UG/L)	S05202	09AUG1995	950	REG	FILTERED	16000		
Metals	Manganese (UG/L)	S01485	12DEC1994	1025	REG	GRAB	81.3		
Metals	Manganese (UG/L)	S02115	30JAN1995	1330	REG	GRAB	68		
Metals	Manganese (UG/L)	S03865	19APR1995	1335	REG	FILTERED	80.4		
Metals	Manganese (UG/L)	S04707	09AUG1995	935	REG	GRAB	85		
Metals	Manganese (UG/L)	S05202	09AUG1995	950	REG	FILTERED	80		
Inorganics	Nitrate (UG/L)	S01490	12DEC1994	1018	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04004	19APR1995	1339	REG		500		
Metals	Potassium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	2960	B	B
Metals	Potassium (UG/L)	S02115	30JAN1995	1330	REG	GRAB	2600		
Metals	Potassium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	3000	B	B
Metals	Potassium (UG/L)	S04707	09AUG1995	935	REG	GRAB	2900		
Metals	Potassium (UG/L)	S05202	09AUG1995	950	REG	FILTERED	2600		
Metals	Silicon (UG/L)	S01485	12DEC1994	1025	REG	GRAB	11700		
Metals	Silicon (UG/L)	S02115	30JAN1995	1330	REG	GRAB	11000		

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----- Medium=Groundwater Station=833 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S03865	19APR1995	1335	REG	FILTERED	10900		
Metals	Silicon (UG/L)	S04707	09AUG1995	935	REG	GRAB	10000		
Metals	Silicon (UG/L)	S05202	09AUG1995	950	REG	FILTERED	11000		
Metals	Sodium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	10000		
Metals	Sodium (UG/L)	S02115	30JAN1995	1330	REG	GRAB	9600		
Metals	Sodium (UG/L)	S03865	19APR1995	1335	REG	FILTERED	10200		
Metals	Sodium (UG/L)	S04707	09AUG1995	935	REG	GRAB	9500		
Metals	Sodium (UG/L)	S05202	09AUG1995	950	REG	FILTERED	9600		
Metals	Thallium (UG/L)	S01485	12DEC1994	1025	REG	GRAB	3.3	B	B
Radionuclides	Tritium (PCI/L)	S01488	12DEC1994	1014	REG	GRAB	640		
Radionuclides	Tritium (PCI/L)	S02734	03FEB1995	1108	REG	GRAB	110823		
Metals	Zinc (UG/L)	S01485	12DEC1994	1025	REG	GRAB	5.5	B	B
Metals	Zinc (UG/L)	S03865	19APR1995	1335	REG	FILTERED	8.5	B	B

----- Medium=Groundwater Station=835 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02553	24FEB1995	1255	REG	GRAB	3	JB	JB
Metals	Aluminum (UG/L)	S01200	03NOV1994	1346	REG	GRAB	96.3	N	N
Metals	Arsenic (UG/L)	S01200	03NOV1994	1346	REG	GRAB	15.6	N	N
Metals	Barium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	123	N	N
Metals	Barium (UG/L)	S02555	24FEB1995	1300	REG	GRAB	120		
Metals	Barium (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	130		
Metals	Barium (UG/L)	S03497	11MAY1995	1412	REG	GRAB	141	B	B
Metals	Barium (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	140	B	B
Metals	Barium (UG/L)	S04716	19JUL1995	1306	REG	GRAB	130		
Metals	Barium (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	120		
Radionuclides	Bismuth-214 (PCI/L)	S03499	11MAY1995	1410	REG	GRAB	32		
Metals	Boron (UG/L)	S01200	03NOV1994	1346	REG	GRAB	230	N	N
Metals	Calcium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	20900	*	*
Metals	Calcium (UG/L)	S02555	24FEB1995	1300	REG	GRAB	35000		
Metals	Calcium (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	36000		
Metals	Calcium (UG/L)	S03497	11MAY1995	1412	REG	GRAB	38600		
Metals	Calcium (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	38200		
Metals	Calcium (UG/L)	S04716	19JUL1995	1306	REG	GRAB	16000		
Metals	Calcium (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	16000		
Radionuclides	Cesium-137 (PCI/L)	S01202	03NOV1994	1330	REG	GRAB	3.36		
Metals	Chromium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	3.1	B	B
Metals	Copper (UG/L)	S01200	03NOV1994	1346	REG	GRAB	4.5	B	B
Metals	Iron (UG/L)	S01200	03NOV1994	1346	REG	GRAB	28.8	N	N

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Lead (UG/L)	S01200	03NOV1994	1346	REG	GRAB	11.9	N	N
Radionuclides	Lead-214 (PCI/L)	S03499	11MAY1995	1410	REG	GRAB	34		
Metals	Magnesium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	4400	B	B
Metals	Magnesium (UG/L)	S02555	24FEB1995	1300	REG	GRAB	4800		
Metals	Magnesium (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	5000		
Metals	Magnesium (UG/L)	S03497	11MAY1995	1412	REG	GRAB	5490		
Metals	Magnesium (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	5420		
Metals	Magnesium (UG/L)	S04716	19JUL1995	1306	REG	GRAB	3800		
Metals	Magnesium (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	3700		
Metals	Manganese (UG/L)	S01200	03NOV1994	1346	REG	GRAB	184		
Metals	Manganese (UG/L)	S02555	24FEB1995	1300	REG	GRAB	260		
Metals	Manganese (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	270		
Metals	Manganese (UG/L)	S03497	11MAY1995	1412	REG	GRAB	316		
Metals	Manganese (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	318		
Metals	Manganese (UG/L)	S04716	19JUL1995	1306	REG	GRAB	150		
Metals	Manganese (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	140		
Metals	Nickel (UG/L)	S01200	03NOV1994	1346	REG	GRAB	9	B.	B
Metals	Nickel (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	17.1	B	B
Inorganics	Nitrate (UG/L)	S04029	11MAY1995	1414	REG		500		
Metals	Potassium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	974	B	B
Metals	Selenium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	14.3	N	N
Metals	Silicon (UG/L)	S01200	03NOV1994	1346	REG	GRAB	10900		
Metals	Silicon (UG/L)	S02555	24FEB1995	1300	REG	GRAB	9300		
Metals	Silicon (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	9300		
Metals	Silicon (UG/L)	S03497	11MAY1995	1412	REG	GRAB	10200		
Metals	Silicon (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	9880		
Metals	Silicon (UG/L)	S04716	19JUL1995	1306	REG	GRAB	8500		
Metals	Silicon (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	8800		
Metals	Sodium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	5910	E	E
Metals	Sodium (UG/L)	S02555	24FEB1995	1300	REG	GRAB	7300		
Metals	Sodium (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	7400		
Metals	Sodium (UG/L)	S03497	11MAY1995	1412	REG	GRAB	7190		
Metals	Sodium (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	7070		
Metals	Sodium (UG/L)	S04716	19JUL1995	1306	REG	GRAB	6300		
Metals	Sodium (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	6500		
Metals	Thallium (UG/L)	S01200	03NOV1994	1346	REG	GRAB	13.7	*	*
Radionuclides	Tritium (PCI/L)	S01203	03NOV1994	1336	REG	GRAB	8320	=	
Radionuclides	Tritium (PCI/L)	S02558	24FEB1995	1308	REG	GRAB	23516.1		
Radionuclides	Tritium (PCI/L)	S03500	11MAY1995	1409	REG	GRAB	19200	J	
Radionuclides	Tritium (PCI/L)	S04719	19JUL1995	1312	REG	GRAB	10812		
Metals	Zinc (UG/L)	S01200	03NOV1994	1346	REG	GRAB	2.6	B	B
Metals	Zinc (UG/L)	S02555	24FEB1995	1300	REG	GRAB	12		
Metals	Zinc (UG/L)	S03136	24FEB1995	1319	REG	FILTERED	6.4		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Zinc (UG/L)	S03539	11MAY1995	1418	REG	FILTERED	36.2		
Metals	Zinc (UG/L)	S04716	19JUL1995	1306	REG	GRAB	18		
Metals	Zinc (UG/L)	S05203	19JUL1995	1319	REG	FILTERED	29		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02562	23FEB1995	1418	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S04723	25AUG1995	929	REG	GRAB	2	JB	JB
Metals	Aluminum (UG/L)	S03507	31MAY1995	957	REG	GRAB	41.4	B	B
Metals	Antimony (UG/L)	S03507	31MAY1995	957	REG	GRAB	1.3	B	B
Metals	Antimony (UG/L)	S05204	25AUG1995	946	REG	FILTERED	6.4		
Metals	Barium (UG/L)	S02564	23FEB1995	1422	REG	GRAB	18		
Metals	Barium (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	20		
Metals	Barium (UG/L)	S03507	31MAY1995	957	REG	GRAB	19.9	B	B
Metals	Barium (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	20.1	B	B
Metals	Barium (UG/L)	S04725	25AUG1995	951	REG	GRAB	21		
Metals	Barium (UG/L)	S05204	25AUG1995	946	REG	FILTERED	21		
Radionuclides	Bismuth-214 (PCI/L)	S01215	01DEC1994	1403	REG	GRAB	16.2		
Radionuclides	Bismuth-214 (PCI/L)	S03509	31MAY1995	1010	REG	GRAB	37		
Metals	Calcium (UG/L)	S02564	23FEB1995	1422	REG	GRAB	3100		
Metals	Calcium (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	3100		
Metals	Calcium (UG/L)	S03507	31MAY1995	957	REG	GRAB	2990	B	B
Metals	Calcium (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	2860	B	B
Metals	Calcium (UG/L)	S04725	25AUG1995	951	REG	GRAB	2900		
Metals	Calcium (UG/L)	S05204	25AUG1995	946	REG	FILTERED	2900		
Radionuclides	Cesium-137 (PCI/L)	S01215	01DEC1994	1403	REG	GRAB	1.6		
Radionuclides	Lead-214 (PCI/L)	S01215	01DEC1994	1403	REG	GRAB	17.6		
Radionuclides	Lead-214 (PCI/L)	S03509	31MAY1995	1010	REG	GRAB	52.8		
Metals	Magnesium (UG/L)	S02564	23FEB1995	1422	REG	GRAB	580		
Metals	Magnesium (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	580		
Metals	Magnesium (UG/L)	S03507	31MAY1995	957	REG	GRAB	593	B	B
Metals	Magnesium (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	577	B	B
Metals	Magnesium (UG/L)	S04725	25AUG1995	951	REG	GRAB	560		
Metals	Magnesium (UG/L)	S05204	25AUG1995	946	REG	FILTERED	570		
Metals	Manganese (UG/L)	S02564	23FEB1995	1422	REG	GRAB	1.6		
Metals	Manganese (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	2.7		
Metals	Manganese (UG/L)	S03507	31MAY1995	957	REG	GRAB	2.5	B	B
Metals	Manganese (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	2.3	B	B
Metals	Manganese (UG/L)	S04725	25AUG1995	951	REG	GRAB	2.2		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S05204	25AUG1995	946	REG	FILTERED	2.7		
Inorganics	Nitrate (UG/L)	S02569	23FEB1995	1432	REG	GRAB	2500		
Inorganics	Nitrate (UG/L)	S04284	31MAY1995	1018	REG		540		
Inorganics	Nitrate (UG/L)	S04730	25AUG1995	954	REG	GRAB	2500		
Metals	Silicon (UG/L)	S02564	23FEB1995	1422	REG	GRAB	6500		
Metals	Silicon (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	6500		
Metals	Silicon (UG/L)	S03507	31MAY1995	957	REG	GRAB	6530		
Metals	Silicon (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	6310		
Metals	Silicon (UG/L)	S04725	25AUG1995	951	REG	GRAB	6000		
Metals	Silicon (UG/L)	S05204	25AUG1995	946	REG	FILTERED	6100		
Metals	Sodium (UG/L)	S02564	23FEB1995	1422	REG	GRAB	1600		
Metals	Sodium (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	1700		
Metals	Sodium (UG/L)	S03507	31MAY1995	957	REG	GRAB	1630	B	B
Metals	Sodium (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	1600	B	B
Metals	Sodium (UG/L)	S04725	25AUG1995	951	REG	GRAB	1400		
Metals	Sodium (UG/L)	S05204	25AUG1995	946	REG	FILTERED	1500		
Radionuclides	Tritium (PCI/L)	S01216	01DEC1994	1407	REG	GRAB	3580		
Radionuclides	Tritium (PCI/L)	S02567	23FEB1995	1428	REG	GRAB	4595.1		
Radionuclides	Tritium (PCI/L)	S03510	31MAY1995	1012	REG	GRAB	4140		
Radionuclides	Tritium (PCI/L)	S04728	25AUG1995	941	REG	GRAB	5135.7		
Metals	Zinc (UG/L)	S02564	23FEB1995	1422	REG	GRAB	5.4		
Metals	Zinc (UG/L)	S03084	23FEB1995	1436	REG	FILTERED	5.8		
Metals	Zinc (UG/L)	S03507	31MAY1995	957	REG	GRAB	5.2	B	B
Metals	Zinc (UG/L)	S03540	31MAY1995	1020	REG	FILTERED	5.8	B	B
Metals	Zinc (UG/L)	S04725	25AUG1995	951	REG	GRAB	15		
Metals	Zinc (UG/L)	S05204	25AUG1995	946	REG	FILTERED	16		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02571	14FEB1995	1341	REG	GRAB	5	JB	JB
Metals	Barium (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	63		
Metals	Barium (UG/L)	S03517	11MAY1995	957	REG	GRAB	66.7	B	B
Metals	Barium (UG/L)	S03541	11MAY1995	959	REG	FILTERED	68.1	B	B
Metals	Barium (UG/L)	S04734	11AUG1995	932	REG	GRAB	66		
Metals	Barium (UG/L)	S05205	11AUG1995	934	REG	FILTERED	67		
Radionuclides	Bismuth-214 (PCI/L)	S01399	02DEC1994	1013	REG	GRAB	35		
Metals	Calcium (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	790		
Metals	Calcium (UG/L)	S03517	11MAY1995	957	REG	GRAB	950	B	B
Metals	Calcium (UG/L)	S03541	11MAY1995	959	REG	FILTERED	917	B	B

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S04734	11AUG1995	932	REG	GRAB	880		
Metals	Calcium (UG/L)	S05205	11AUG1995	934	REG	FILTERED	880		
Metals	Chromium (UG/L)	S04734	11AUG1995	932	REG	GRAB	4		
Metals	Chromium (UG/L)	S05205	11AUG1995	934	REG	FILTERED	9.1		
Radionuclides	Gross Alpha (PCI/L)	S01398	02DEC1994	1009	REG	GRAB	0.91		
Metals	Iron (UG/L)	S04734	11AUG1995	932	REG	GRAB	120		
Metals	Iron (UG/L)	S05205	11AUG1995	934	REG	FILTERED	110		
Radionuclides	Lead-214 (PCI/L)	S01399	02DEC1994	1013	REG	GRAB	36		
Radionuclides	Lead-214 (PCI/L)	S03519	11MAY1995	950	REG	GRAB	17		
Metals	Magnesium (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	1100		
Metals	Magnesium (UG/L)	S03517	11MAY1995	957	REG	GRAB	1230	B	B
Metals	Magnesium (UG/L)	S03541	11MAY1995	959	REG	FILTERED	1250	B	B
Metals	Magnesium (UG/L)	S04734	11AUG1995	932	REG	GRAB	1200		
Metals	Magnesium (UG/L)	S05205	11AUG1995	934	REG	FILTERED	1200		
Metals	Manganese (UG/L)	S04734	11AUG1995	932	REG	GRAB	2.4		
Metals	Manganese (UG/L)	S05205	11AUG1995	934	REG	FILTERED	2.9		
Metals	Mercury (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	0.25		
Inorganics	Nitrate (UG/L)	S02578	14FEB1995	1401	REG	GRAB	2050		
Inorganics	Nitrate (UG/L)	S04030	11MAY1995	1003	REG		500		
Inorganics	Nitrate (UG/L)	S04739	11AUG1995	937	REG	GRAB	2100		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S02577	14FEB1995	1354	REG	FILTERED	2.703		
Metals	Silicon (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	5900		
Metals	Silicon (UG/L)	S03517	11MAY1995	957	REG	GRAB	6060		
Metals	Silicon (UG/L)	S03541	11MAY1995	959	REG	FILTERED	6110		
Metals	Silicon (UG/L)	S04734	11AUG1995	932	REG	GRAB	5600		
Metals	Silicon (UG/L)	S05205	11AUG1995	934	REG	FILTERED	5700		
Metals	Sodium (UG/L)	S02573	14FEB1995	1357	REG	FILTERED	1300		
Metals	Sodium (UG/L)	S03517	11MAY1995	957	REG	GRAB	1350	B	B
Metals	Sodium (UG/L)	S03541	11MAY1995	959	REG	FILTERED	1410	B	B
Metals	Sodium (UG/L)	S04734	11AUG1995	932	REG	GRAB	1300		
Metals	Sodium (UG/L)	S05205	11AUG1995	934	REG	FILTERED	1300		
Radionuclides	Tritium (PCI/L)	S01400	02DEC1994	1016	REG	GRAB	2280		
Radionuclides	Tritium (PCI/L)	S02576	14FEB1995	1352	REG	FILTERED	14055.6		
Radionuclides	Tritium (PCI/L)	S03520	11MAY1995	953	REG	GRAB	9720	J	
Radionuclides	Tritium (PCI/L)	S04737	11AUG1995	928	REG	GRAB	3784.2		
Metals	Zinc (UG/L)	S03517	11MAY1995	957	REG	GRAB	31.9		
Metals	Zinc (UG/L)	S04734	11AUG1995	932	REG	GRAB	11		
Metals	Zinc (UG/L)	S05205	11AUG1995	934	REG	FILTERED	7.4		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02584	02FEB1995	1022	REG	GRAB	2	JB	JB
Radionuclides	Alpha activity (PCI/L)	S02582	02FEB1995	1030	REG	GRAB	2.703		
Metals	Aluminum (UG/L)	S03527	02MAY1995	1348	REG	GRAB	62.3	N	N
Metals	Aluminum (UG/L)	S04743	07AUG1995	1309	REG	GRAB	110		
Metals	Antimony (UG/L)	S03527	02MAY1995	1348	REG	GRAB	1.2	B	B
Metals	Barium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	120	B	B
Metals	Barium (UG/L)	S02581	02FEB1995	1043	REG	GRAB	120		
Metals	Barium (UG/L)	S03527	02MAY1995	1348	REG	GRAB	120	B	B
Metals	Barium (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	122	B	B
Metals	Barium (UG/L)	S04743	07AUG1995	1309	REG	GRAB	130		
Metals	Barium (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	130		
Organics-Semivolatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S01053	27OCT1994	1242	REG	GRAB	4	J	J
Radionuclides	Bismuth-214 (PCI/L)	S03529	02MAY1995	1351	REG	GRAB	21		
Metals	Calcium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	91400		
Metals	Calcium (UG/L)	S02581	02FEB1995	1043	REG	GRAB	100000		
Metals	Calcium (UG/L)	S03527	02MAY1995	1348	REG	GRAB	104000		
Metals	Calcium (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	106000		
Metals	Calcium (UG/L)	S04743	07AUG1995	1309	REG	GRAB	110000		
Metals	Calcium (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	110000		
Radionuclides	Cesium-137 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	2.77		
Metals	Chromium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	3.6	B	B
Radionuclides	Cobalt-60 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	2.94	M	M
Metals	Copper (UG/L)	S01055	27OCT1994	1310	REG	GRAB	2	B	B
Radionuclides	Europium-152 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	21.8	M	M
Radionuclides	Europium-154 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	4.4		
Radionuclides	Europium-155 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	8.63	M	M
Radionuclides	Europium-156 (PCI/L)	S01057	27OCT1994	1252	REG	GRAB	50.5	M	M
Metals	Iron (UG/L)	S01055	27OCT1994	1310	REG	GRAB	91.9	B	B
Metals	Iron (UG/L)	S03527	02MAY1995	1348	REG	GRAB	41.8	B	B
Metals	Iron (UG/L)	S04743	07AUG1995	1309	REG	GRAB	120		
Metals	Lead (UG/L)	S03527	02MAY1995	1348	REG	GRAB	1.3	B	B
Metals	Magnesium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	5790		
Metals	Magnesium (UG/L)	S02581	02FEB1995	1043	REG	GRAB	6200		
Metals	Magnesium (UG/L)	S03527	02MAY1995	1348	REG	GRAB	6960		
Metals	Magnesium (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	7110		
Metals	Magnesium (UG/L)	S04743	07AUG1995	1309	REG	GRAB	6700		
Metals	Magnesium (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	6700		
Metals	Manganese (UG/L)	S01055	27OCT1994	1310	REG	GRAB	79.6		
Metals	Manganese (UG/L)	S02581	02FEB1995	1043	REG	GRAB	81		
Metals	Manganese (UG/L)	S03527	02MAY1995	1348	REG	GRAB	172		
Metals	Manganese (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	96.6		
Metals	Manganese (UG/L)	S04743	07AUG1995	1309	REG	GRAB	200		
Metals	Manganese (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	48		
Metals	Mercury (UG/L)	S01055	27OCT1994	1310	REG	GRAB	0.26	*	*

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----- Medium=Groundwater Station=838 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Mercury (UG/L)	S02581	02FEB1995	1043	REG	GRAB	0.31		
Organics-Volatiles	Methylene chloride (UG/L)	S01051	27OCT1994	1239	REG	GRAB	1.3	J	J
Inorganics	Nitrate (UG/L)	S02587	02FEB1995	1038	REG	GRAB	866		
Inorganics	Nitrate (UG/L)	S04206	02MAY1995	1401	REG		500		
Inorganics	Nitrate (UG/L)	S04748	07AUG1995	1319	REG	GRAB	500		
Metals	Potassium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	583	B	B
Metals	Silicon (UG/L)	S01055	27OCT1994	1310	REG	GRAB	5730	J	
Metals	Silicon (UG/L)	S02581	02FEB1995	1043	REG	GRAB	4700		
Metals	Silicon (UG/L)	S03527	02MAY1995	1348	REG	GRAB	4140	N	N
Metals	Silicon (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	4340	N	N
Metals	Silicon (UG/L)	S04743	07AUG1995	1309	REG	GRAB	4600		
Metals	Silicon (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	4400		
Metals	Sodium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	3490	J	E
Metals	Sodium (UG/L)	S02581	02FEB1995	1043	REG	GRAB	3800		
Metals	Sodium (UG/L)	S03527	02MAY1995	1348	REG	GRAB	4300	B	B
Metals	Sodium (UG/L)	S03542	02MAY1995	1403	REG	FILTERED	4400	B	B
Metals	Sodium (UG/L)	S04743	07AUG1995	1309	REG	GRAB	4400		
Metals	Sodium (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	4400		
Metals	Thallium (UG/L)	S03527	02MAY1995	1348	REG	GRAB	1.3	B	B
Radionuclides	Tritium (PCI/L)	S01058	27OCT1994	1258	REG	GRAB	25800	=	
Radionuclides	Tritium (PCI/L)	S02585	02FEB1995	1033	REG	GRAB	17839.8		
Radionuclides	Tritium (PCI/L)	S03530	02MAY1995	1353	REG	GRAB	76800	J	
Radionuclides	Tritium (PCI/L)	S04746	07AUG1995	1315	REG	GRAB	70278		
Metals	Vanadium (UG/L)	S01055	27OCT1994	1310	REG	GRAB	2.1	B	B
Metals	Zinc (UG/L)	S02581	02FEB1995	1043	REG	GRAB	5.1		
Metals	Zinc (UG/L)	S05206	07AUG1995	1323	REG	FILTERED	6.5		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02589	03FEB1995	935	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S04750	08AUG1995	842	REG	GRAB	4	J	J
Metals	Acetone (UG/L)	S01093	06DEC1994	911	REG	GRAB	2.4	J	J
Metals	Aluminum (UG/L)	S01100	06DEC1994	923	REG	GRAB	33.3	B	B
Metals	Aluminum (UG/L)	S03545	02MAY1995	1304	REG	GRAB	138	N	N
Metals	Aluminum (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	44	N	N
Metals	Barium (UG/L)	S01100	06DEC1994	923	REG	GRAB	179	B	B
Metals	Barium (UG/L)	S02591	03FEB1995	956	REG	GRAB	180		
Metals	Barium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	180	B	B
Metals	Barium (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	185	B	B

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Barium (UG/L)	S04753	08AUG1995	853	REG	GRAB	190		
Metals	Barium (UG/L)	S05207	08AUG1995	920	REG	FILTERED	180		
Organics-Semivolatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S01096	06DEC1994	916	REG	GRAB	3	J	J
Radionuclides	Bismuth-214 (PCI/L)	S03547	02MAY1995	1309	REG	GRAB	20		
Metals	Boron (UG/L)	S01100	06DEC1994	923	REG	GRAB	123		
Metals	Calcium (UG/L)	S01100	06DEC1994	923	REG	GRAB	99300		
Metals	Calcium (UG/L)	S02591	03FEB1995	956	REG	GRAB	100000		
Metals	Calcium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	106000		
Metals	Calcium (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	108000		
Metals	Calcium (UG/L)	S04753	08AUG1995	853	REG	GRAB	120000		
Metals	Calcium (UG/L)	S05207	08AUG1995	920	REG	FILTERED	110000		
Metals	Chromium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	4.1	B	B
Metals	Chromium (UG/L)	S04753	08AUG1995	853	REG	GRAB	5.2		
Metals	Cobalt (UG/L)	S05207	08AUG1995	920	REG	FILTERED	4.5		
Radionuclides	Cobalt-60 (PCI/L)	S02593	03FEB1995	943	REG	GRAB	4.0545		
Organics-Semivolatiles	Di-n-butylphthalate (UG/L)	S01096	06DEC1994	916	REG	GRAB	1	J	J
Radionuclides	Gross Alpha (PCI/L)	S03546	02MAY1995	1307	REG	GRAB	20.9	J	CL
Metals	Iron (UG/L)	S01100	06DEC1994	923	REG	GRAB	26.9	B	B
Metals	Iron (UG/L)	S03545	02MAY1995	1304	REG	GRAB	87.1	B	B
Metals	Iron (UG/L)	S04753	08AUG1995	853	REG	GRAB	71		
Metals	Iron (UG/L)	S05207	08AUG1995	920	REG	FILTERED	94		
Radionuclides	Lead-214 (PCI/L)	S03547	02MAY1995	1309	REG	GRAB	11		
Metals	Magnesium (UG/L)	S01100	06DEC1994	923	REG	GRAB	11900		
Metals	Magnesium (UG/L)	S02591	03FEB1995	956	REG	GRAB	11000		
Metals	Magnesium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	12300		
Metals	Magnesium (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	12500		
Metals	Magnesium (UG/L)	S04753	08AUG1995	853	REG	GRAB	13000		
Metals	Magnesium (UG/L)	S05207	08AUG1995	920	REG	FILTERED	13000		
Metals	Manganese (UG/L)	S01100	06DEC1994	923	REG	GRAB	20.6		
Metals	Manganese (UG/L)	S02591	03FEB1995	956	REG	GRAB	7.5		
Metals	Manganese (UG/L)	S03545	02MAY1995	1304	REG	GRAB	18.6		
Metals	Manganese (UG/L)	S04753	08AUG1995	853	REG	GRAB	34		
Metals	Manganese (UG/L)	S05207	08AUG1995	920	REG	FILTERED	27		
Metals	Mercury (UG/L)	S02591	03FEB1995	956	REG	GRAB	0.18		
Inorganics	Nitrate (UG/L)	S01110	06DEC1994	942	REG	GRAB	2000		
Inorganics	Nitrate (UG/L)	S02596	03FEB1995	951	REG	GRAB	3260		
Inorganics	Nitrate (UG/L)	S04037	02MAY1995	1318	REG		500		
Inorganics	Nitrate (UG/L)	S04763	08AUG1995	913	REG	GRAB	920		
Metals	Potassium (UG/L)	S01100	06DEC1994	923	REG	GRAB	1030	B	B
Metals	Potassium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	1020	B	B
Metals	Potassium (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	837	B	B
Metals	Silicon (UG/L)	S01100	06DEC1994	923	REG	GRAB	4230		
Metals	Silicon (UG/L)	S02591	03FEB1995	956	REG	GRAB	4700		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S03545	02MAY1995	1304	REG	GRAB	4070	N	N
Metals	Silicon (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	4330	N	N
Metals	Silicon (UG/L)	S04753	08AUG1995	853	REG	GRAB	4000		
Metals	Silicon (UG/L)	S05207	08AUG1995	920	REG	FILTERED	3900		
Metals	Sodium (UG/L)	S01100	06DEC1994	923	REG	GRAB	6660		
Metals	Sodium (UG/L)	S02591	03FEB1995	956	REG	GRAB	6000		
Metals	Sodium (UG/L)	S03545	02MAY1995	1304	REG	GRAB	5610		
Metals	Sodium (UG/L)	S03553	02MAY1995	1321	REG	FILTERED	5870		
Metals	Sodium (UG/L)	S04753	08AUG1995	853	REG	GRAB	5600		
Metals	Sodium (UG/L)	S05207	08AUG1995	920	REG	FILTERED	5500		
Radionuclides	Strontium-90 (PCI/L)	S01108	06DEC1994	937	REG	GRAB	2.06		
Radionuclides	Tritium (PCI/L)	S01106	06DEC1994	935	REG	GRAB	64400	J	
Radionuclides	Tritium (PCI/L)	S02594	03FEB1995	946	REG	GRAB	3513900		
Radionuclides	Tritium (PCI/L)	S03548	02MAY1995	1311	REG	GRAB	72900	J	
Radionuclides	Tritium (PCI/L)	S04759	08AUG1995	905	REG	GRAB	89199		
Metals	Vanadium (UG/L)	S04753	08AUG1995	853	REG	GRAB	2.4		
Metals	Zinc (UG/L)	S01100	06DEC1994	923	REG	GRAB	3.4	B	B
Metals	Zinc (UG/L)	S02591	03FEB1995	956	REG	GRAB	10		
Metals	Zinc (UG/L)	S04753	08AUG1995	853	REG	GRAB	7.1		
Metals	Zinc (UG/L)	S05207	08AUG1995	920	REG	FILTERED	9.7		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S01039	21OCT1994	1010	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02598	09FEB1995	1006	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03554	04MAY1995	1326	REG	GRAB	2	JB	JB
Radionuclides	Alpha activity (PCI/L)	S02601	09FEB1995	1010	REG	GRAB	2.54082		
Metals	Barium (UG/L)	S01043	21OCT1994	1038	REG	GRAB	110		
Metals	Barium (UG/L)	S02600	09FEB1995	1023	REG	GRAB	97		
Metals	Barium (UG/L)	S03556	04MAY1995	1330	REG	GRAB	88		
Metals	Barium (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	88		
Metals	Barium (UG/L)	S04769	08AUG1995	1302	REG	GRAB	100		
Metals	Barium (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	400		
Metals	Calcium (UG/L)	S01043	21OCT1994	1038	REG	GRAB	67000		
Metals	Calcium (UG/L)	S02600	09FEB1995	1023	REG	GRAB	68000		
Metals	Calcium (UG/L)	S03556	04MAY1995	1330	REG	GRAB	62000		
Metals	Calcium (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	64000		
Metals	Calcium (UG/L)	S04769	08AUG1995	1302	REG	GRAB	64000		
Metals	Calcium (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	66000		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	Carbon disulfide (UG/L)	S04767	08AUG1995	1257	REG	GRAB	4	J	J
Organics-Volatiles	Chloroform (UG/L)	S01039	21OCT1994	1010	REG	GRAB	2.2	J	J
Organics-Volatiles	Chloroform (UG/L)	S02598	09FEB1995	1006	REG	GRAB	2	J	J
Organics-Volatiles	Chloroform (UG/L)	S03554	04MAY1995	1326	REG	GRAB	1	J	J
Organics-Volatiles	Chloroform (UG/L)	S04767	08AUG1995	1257	REG	GRAB	2	J	J
Metals	Iron (UG/L)	S03556	04MAY1995	1330	REG	GRAB	70		
Metals	Iron (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	220		
Metals	Magnesium (UG/L)	S01043	21OCT1994	1038	REG	GRAB	7600		
Metals	Magnesium (UG/L)	S02600	09FEB1995	1023	REG	GRAB	5900		
Metals	Magnesium (UG/L)	S03556	04MAY1995	1330	REG	GRAB	5900		
Metals	Magnesium (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	5400		
Metals	Magnesium (UG/L)	S04769	08AUG1995	1302	REG	GRAB	7700		
Metals	Magnesium (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	12000		
Metals	Manganese (UG/L)	S01043	21OCT1994	1038	REG	GRAB	20		
Metals	Manganese (UG/L)	S03556	04MAY1995	1330	REG	GRAB	2.5		
Metals	Manganese (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	1.9		
Metals	Manganese (UG/L)	S04769	08AUG1995	1302	REG	GRAB	25		
Metals	Manganese (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	33		
Metals	Mercury (UG/L)	S02600	09FEB1995	1023	REG	GRAB	0.28		
Inorganics	Nitrate (UG/L)	S01048	21OCT1994	1040	REG	GRAB	1000		
Inorganics	Nitrate (UG/L)	S02605	09FEB1995	1019	REG	GRAB	3660		
Inorganics	Nitrate (UG/L)	S04036	04MAY1995	1344	REG		2000		
Inorganics	Nitrate (UG/L)	S04774	08AUG1995	1312	REG	GRAB	1300		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03560	04MAY1995	1338	REG	GRAB	5.1357		
Metals	Silicon (UG/L)	S01043	21OCT1994	1038	REG	GRAB	7900		
Metals	Silicon (UG/L)	S02600	09FEB1995	1023	REG	GRAB	6800		
Metals	Silicon (UG/L)	S03556	04MAY1995	1330	REG	GRAB	6400		
Metals	Silicon (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	6600		
Metals	Silicon (UG/L)	S04769	08AUG1995	1302	REG	GRAB	7300		
Metals	Silicon (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	9600		
Metals	Sodium (UG/L)	S01043	21OCT1994	1038	REG	GRAB	5300		
Metals	Sodium (UG/L)	S02600	09FEB1995	1023	REG	GRAB	4500		
Metals	Sodium (UG/L)	S03556	04MAY1995	1330	REG	GRAB	3800		
Metals	Sodium (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	3900		
Metals	Sodium (UG/L)	S04769	08AUG1995	1302	REG	GRAB	5500		
Metals	Sodium (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	10000		
Radionuclides	Tritium (PCI/L)	S01046	21OCT1994	1023	REG	GRAB	32436		
Radionuclides	Tritium (PCI/L)	S02603	09FEB1995	1015	REG	GRAB	7027.8		
Radionuclides	Tritium (PCI/L)	S03559	04MAY1995	1337	REG	GRAB	7568.4		
Radionuclides	Tritium (PCI/L)	S04772	08AUG1995	1308	REG	GRAB	14055.6		
Metals	Zinc (UG/L)	S03564	04MAY1995	1346	REG	FILTERED	12		
Metals	Zinc (UG/L)	S04769	08AUG1995	1302	REG	GRAB	5.5		
Metals	Zinc (UG/L)	S05208	08AUG1995	1316	REG	FILTERED	8.6		

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----- Medium=Groundwater Station=841 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02607	28FEB1995	1421	REG	GRAB	1	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03565	16MAY1995	1008	REG	GRAB	1	J	J
Organics-Volatiles	2-Butanone (UG/L)	S00933	19OCT1994	924	REG	GRAB	3.5	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02607	28FEB1995	1421	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03565	16MAY1995	1008	REG	GRAB	2	JB	JB
Metals	Acetone (UG/L)	S02607	28FEB1995	1421	REG	GRAB	5	J	J
Metals	Acetone (UG/L)	S03565	16MAY1995	1008	REG	GRAB	2	J	J
Metals	Barium (UG/L)	S00937	19OCT1994	956	REG	GRAB	150		
Metals	Barium (UG/L)	S02609	28FEB1995	1425	REG	GRAB	180		
Metals	Barium (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	170		
Metals	Barium (UG/L)	S03567	16MAY1995	1013	REG	GRAB	160		
Metals	Barium (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	160		
Metals	Barium (UG/L)	S04779	14JUL1995	901	REG	GRAB	160		
Metals	Barium (UG/L)	S05209	14JUL1995	929	REG	FILTERED	160		
Metals	Calcium (UG/L)	S00937	19OCT1994	956	REG	GRAB	77000		
Metals	Calcium (UG/L)	S02609	28FEB1995	1425	REG	GRAB	77000		
Metals	Calcium (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	71000		
Metals	Calcium (UG/L)	S03567	16MAY1995	1013	REG	GRAB	79000		
Metals	Calcium (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	72000		
Metals	Calcium (UG/L)	S04779	14JUL1995	901	REG	GRAB	77000		
Metals	Calcium (UG/L)	S05209	14JUL1995	929	REG	FILTERED	78000		
Metals	Iron (UG/L)	S00937	19OCT1994	956	REG	GRAB	69		
Metals	Iron (UG/L)	S02609	28FEB1995	1425	REG	GRAB	240		
Metals	Iron (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	160		
Metals	Iron (UG/L)	S03567	16MAY1995	1013	REG	GRAB	72		
Metals	Iron (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	52		
Metals	Iron (UG/L)	S04779	14JUL1995	901	REG	GRAB	60		
Metals	Magnesium (UG/L)	S00937	19OCT1994	956	REG	GRAB	15000		
Metals	Magnesium (UG/L)	S02609	28FEB1995	1425	REG	GRAB	20000		
Metals	Magnesium (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	23000		
Metals	Magnesium (UG/L)	S03567	16MAY1995	1013	REG	GRAB	20000		
Metals	Magnesium (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	21000		
Metals	Magnesium (UG/L)	S04779	14JUL1995	901	REG	GRAB	17000		
Metals	Magnesium (UG/L)	S05209	14JUL1995	929	REG	FILTERED	17000		
Metals	Manganese (UG/L)	S00937	19OCT1994	956	REG	GRAB	23		
Metals	Manganese (UG/L)	S02609	28FEB1995	1425	REG	GRAB	47		
Metals	Manganese (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	47		
Metals	Manganese (UG/L)	S03567	16MAY1995	1013	REG	GRAB	28		
Metals	Manganese (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	35		
Metals	Manganese (UG/L)	S04779	14JUL1995	901	REG	GRAB	25		
Metals	Manganese (UG/L)	S05209	14JUL1995	929	REG	FILTERED	27		
Inorganics	Nitrate (UG/L)	S04789	14JUL1995	919	REG	GRAB	380		
Metals	Potassium (UG/L)	S02609	28FEB1995	1425	REG	GRAB	3000		
Metals	Potassium (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	3500		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Potassium (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	2300		
Metals	Potassium (UG/L)	S04779	14JUL1995	901	REG	GRAB	2400		
Metals	Silicon (UG/L)	S00937	19OCT1994	956	REG	GRAB	10000		
Metals	Silicon (UG/L)	S02609	28FEB1995	1425	REG	GRAB	12000		
Metals	Silicon (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	12000		
Metals	Silicon (UG/L)	S03567	16MAY1995	1013	REG	GRAB	10000		
Metals	Silicon (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	10000		
Metals	Silicon (UG/L)	S04779	14JUL1995	901	REG	GRAB	11000		
Metals	Silicon (UG/L)	S05209	14JUL1995	929	REG	FILTERED	11000		
Metals	Sodium (UG/L)	S00937	19OCT1994	956	REG	GRAB	7900		
Metals	Sodium (UG/L)	S02609	28FEB1995	1425	REG	GRAB	9600		
Metals	Sodium (UG/L)	S03236	28FEB1995	1440	REG	FILTERED	9700		
Metals	Sodium (UG/L)	S03567	16MAY1995	1013	REG	GRAB	8500		
Metals	Sodium (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	8500		
Metals	Sodium (UG/L)	S04779	14JUL1995	901	REG	GRAB	8300		
Metals	Sodium (UG/L)	S05209	14JUL1995	929	REG	FILTERED	8500		
Organics-Volatiles	Trichloroethene (UG/L)	S00933	19OCT1994	924	REG	GRAB	3.4	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S02607	28FEB1995	1421	REG	GRAB	5	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S03565	16MAY1995	1008	REG	GRAB	7		
Organics-Volatiles	Trichloroethene (UG/L)	S04776	14JUL1995	852	REG	GRAB	5		
Radionuclides	Tritium (PCI/L)	S00940	19OCT1994	947	REG	GRAB	102714		
Radionuclides	Tritium (PCI/L)	S02612	28FEB1995	1432	REG	GRAB	70278		
Radionuclides	Tritium (PCI/L)	S03570	16MAY1995	1019	REG	GRAB	72981		
Radionuclides	Tritium (PCI/L)	S04785	14JUL1995	910	REG	GRAB	75684		
Metals	Vanadium (UG/L)	S05209	14JUL1995	929	REG	FILTERED	2.4		
Metals	Zinc (UG/L)	S02609	28FEB1995	1425	REG	GRAB	6.5		
Metals	Zinc (UG/L)	S03575	16MAY1995	1029	REG	FILTERED	9.9		
Metals	Zinc (UG/L)	S04779	14JUL1995	901	REG	GRAB	6.2		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S00957	12OCT1994	1421	REG	GRAB	2.5	J	J
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S03576	08MAY1995	935	REG	GRAB	2	J	J
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S04793	14JUL1995	1007	REG	GRAB	2	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S00957	12OCT1994	1421	REG	GRAB	12		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02616	28FEB1995	1303	REG	GRAB	10		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03576	08MAY1995	935	REG	GRAB	11		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04793	14JUL1995	1007	REG	GRAB	11		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S00957	12OCT1994	1421	REG	GRAB	10		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethene (UG/L)	S03576	08MAY1995	935	REG	GRAB	9		
Organics-Volatiles	1,2-Dichloroethene (UG/L)	S04793	14JUL1995	1007	REG	GRAB	10		
Organics-Volatiles	2-Butanone (UG/L)	S00957	12OCT1994	1421	REG	GRAB	6.6	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02616	28FEB1995	1303	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03576	08MAY1995	935	REG	GRAB	2	JB	JB
Metals	Acetone (UG/L)	S00957	12OCT1994	1421	REG	GRAB	6.3	J	J
Metals	Acetone (UG/L)	S03576	08MAY1995	935	REG	GRAB	2	JB	JB
Radionuclides	Alpha activity (PCI/L)	S00962	12OCT1994	1426	REG	GRAB	2.9733		
Radionuclides	Alpha activity (PCI/L)	S02619	28FEB1995	1308	REG	GRAB	0		
Radionuclides	Alpha activity (PCI/L)	S03241	28FEB1995	1325	REG	FILTERED	1.54071		
Radionuclides	Alpha activity (PCI/L)	S03579	08MAY1995	943	REG	GRAB	2.67597		
Radionuclides	Alpha activity (PCI/L)	S04796	14JUL1995	1014	REG	GRAB	2.13537		
Metals	Aluminum (UG/L)	S00961	12OCT1994	1445	REG	GRAB	68		
Metals	Aluminum (UG/L)	S02618	28FEB1995	1306	REG	GRAB	140		
Metals	Aluminum (UG/L)	S03578	08MAY1995	941	REG	GRAB	320		
Metals	Barium (UG/L)	S00961	12OCT1994	1445	REG	GRAB	150		
Metals	Barium (UG/L)	S02618	28FEB1995	1306	REG	GRAB	150		
Metals	Barium (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	150		
Metals	Barium (UG/L)	S03578	08MAY1995	941	REG	GRAB	150		
Metals	Barium (UG/L)	S03586	08MAY1995	959	REG	FILTERED	140		
Metals	Barium (UG/L)	S04795	14JUL1995	1013	REG	GRAB	160		
Metals	Barium (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	160		
Radionuclides	Beta activity (PCI/L)	S00962	12OCT1994	1426	REG	GRAB	7.0278		
Metals	Calcium (UG/L)	S00961	12OCT1994	1445	REG	GRAB	120000		
Metals	Calcium (UG/L)	S02618	28FEB1995	1306	REG	GRAB	120000		
Metals	Calcium (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	120000		
Metals	Calcium (UG/L)	S03578	08MAY1995	941	REG	GRAB	120000		
Metals	Calcium (UG/L)	S03586	08MAY1995	959	REG	FILTERED	120000		
Metals	Calcium (UG/L)	S04795	14JUL1995	1013	REG	GRAB	120000		
Metals	Calcium (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	120000		
Organics-Volatiles	Carbon tetrachloride (UG/L)	S00957	12OCT1994	1421	REG	GRAB	34		
Organics-Volatiles	Carbon tetrachloride (UG/L)	S02616	28FEB1995	1303	REG	GRAB	34		
Organics-Volatiles	Carbon tetrachloride (UG/L)	S03576	08MAY1995	935	REG	GRAB	34		
Organics-Volatiles	Carbon tetrachloride (UG/L)	S04793	14JUL1995	1007	REG	GRAB	32		
Organics-Volatiles	Chloroform (UG/L)	S00957	12OCT1994	1421	REG	GRAB	40		
Organics-Volatiles	Chloroform (UG/L)	S02616	28FEB1995	1303	REG	GRAB	37		
Organics-Volatiles	Chloroform (UG/L)	S03576	08MAY1995	935	REG	GRAB	40		
Organics-Volatiles	Chloroform (UG/L)	S04793	14JUL1995	1007	REG	GRAB	35		
Radionuclides	Cobalt-60 (PCI/L)	S00963	12OCT1994	1430	REG	GRAB	16.218		
Radionuclides	Cobalt-60 (PCI/L)	S02620	28FEB1995	1310	REG	GRAB	12.9744		
Radionuclides	Cobalt-60 (PCI/L)	S03242	28FEB1995	1327	REG	FILTERED	12.7041		
Radionuclides	Cobalt-60 (PCI/L)	S03580	08MAY1995	945	REG	GRAB	12.4338		
Radionuclides	Cobalt-60 (PCI/L)	S04797	14JUL1995	1015	REG	GRAB	10.812		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S00961	12OCT1994	1445	REG	GRAB	110		
Metals	Iron (UG/L)	S02618	28FEB1995	1306	REG	GRAB	180		
Metals	Iron (UG/L)	S03578	08MAY1995	941	REG	GRAB	360		
Metals	Iron (UG/L)	S04795	14JUL1995	1013	REG	GRAB	78		
Metals	Magnesium (UG/L)	S00961	12OCT1994	1445	REG	GRAB	9500		
Metals	Magnesium (UG/L)	S02618	28FEB1995	1306	REG	GRAB	9700		
Metals	Magnesium (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	9400		
Metals	Magnesium (UG/L)	S03578	08MAY1995	941	REG	GRAB	9400		
Metals	Magnesium (UG/L)	S03586	08MAY1995	959	REG	FILTERED	9300		
Metals	Magnesium (UG/L)	S04795	14JUL1995	1013	REG	GRAB	8400		
Metals	Magnesium (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	8600		
Metals	Manganese (UG/L)	S00961	12OCT1994	1445	REG	GRAB	8.3		
Metals	Manganese (UG/L)	S02618	28FEB1995	1306	REG	GRAB	5.7		
Metals	Manganese (UG/L)	S03578	08MAY1995	941	REG	GRAB	7.7		
Metals	Manganese (UG/L)	S04795	14JUL1995	1013	REG	GRAB	1.4		
Inorganics	Nitrate (UG/L)	S00966	12OCT1994	1440	REG	GRAB	3300		
Inorganics	Nitrate (UG/L)	S02623	28FEB1995	1317	REG	GRAB	2870		
Inorganics	Nitrate (UG/L)	S04041	08MAY1995	957	REG		2900		
Inorganics	Nitrate (UG/L)	S04800	14JUL1995	1020	REG	GRAB	2400		
Metals	Potassium (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	2000		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03582	08MAY1995	950	REG	GRAB	4.3248		
Metals	Silicon (UG/L)	S00961	12OCT1994	1445	REG	GRAB	8400		
Metals	Silicon (UG/L)	S02618	28FEB1995	1306	REG	GRAB	8600		
Metals	Silicon (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	8300		
Metals	Silicon (UG/L)	S03578	08MAY1995	941	REG	GRAB	8500		
Metals	Silicon (UG/L)	S03586	08MAY1995	959	REG	FILTERED	8000		
Metals	Silicon (UG/L)	S04795	14JUL1995	1013	REG	GRAB	8200		
Metals	Silicon (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	8200		
Metals	Sodium (UG/L)	S00961	12OCT1994	1445	REG	GRAB	8300		
Metals	Sodium (UG/L)	S02618	28FEB1995	1306	REG	GRAB	8800		
Metals	Sodium (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	8800		
Metals	Sodium (UG/L)	S03578	08MAY1995	941	REG	GRAB	9000		
Metals	Sodium (UG/L)	S03586	08MAY1995	959	REG	FILTERED	8000		
Metals	Sodium (UG/L)	S04795	14JUL1995	1013	REG	GRAB	8000		
Metals	Sodium (UG/L)	S05210	14JUL1995	1022	REG	FILTERED	8100		
Organics-Volatiles	Tetrachloroethene (UG/L)	S04793	14JUL1995	1007	REG	GRAB	1	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S00957	12OCT1994	1421	REG	GRAB	180		
Organics-Volatiles	Trichloroethene (UG/L)	S02616	28FEB1995	1303	REG	GRAB	170		
Organics-Volatiles	Trichloroethene (UG/L)	S03576	08MAY1995	935	REG	GRAB	180		
Organics-Volatiles	Trichloroethene (UG/L)	S04793	14JUL1995	1007	REG	GRAB	200		
Radionuclides	Tritium (PCI/L)	S00964	12OCT1994	1434	REG	GRAB	837930		
Radionuclides	Tritium (PCI/L)	S02621	28FEB1995	1313	REG	GRAB	48654		
Radionuclides	Tritium (PCI/L)	S03581	08MAY1995	948	REG	GRAB	43248		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S04798	14JUL1995	1016	REG	GRAB	43248		
Metals	Zinc (UG/L)	S02618	28FEB1995	1306	REG	GRAB	12		
Metals	Zinc (UG/L)	S03240	28FEB1995	1322	REG	FILTERED	13		
Metals	Zinc (UG/L)	S03578	08MAY1995	941	REG	GRAB	5.9		
Metals	Zinc (UG/L)	S03586	08MAY1995	959	REG	FILTERED	5.5		
Metals	Zinc (UG/L)	S04795	14JUL1995	1013	REG	GRAB	9.2		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S00957	12OCT1994	1421	REG	GRAB	10		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02616	28FEB1995	1303	REG	GRAB	8		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03576	08MAY1995	935	REG	GRAB	9		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04793	14JUL1995	1007	REG	GRAB	10		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethene (UG/L)	S00885	11OCT1994	1253	REG	GRAB	3.5	J	J
Organics-Volatiles	1,2-Dichloroethene (UG/L)	S02625	16FEB1995	1238	REG	GRAB	2	J	J
Organics-Volatiles	1,2-Dichloroethene (UG/L)	S03587	05MAY1995	1009	REG	GRAB	5		
Organics-Volatiles	2-Butanone (UG/L)	S00885	11OCT1994	1253	REG	GRAB	5.8	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03587	05MAY1995	1009	REG	GRAB	3	JB	JB
Metals	Acetone (UG/L)	S03587	05MAY1995	1009	REG	GRAB	1	JB	JB
Radionuclides	Alpha activity (PCI/L)	S03590	05MAY1995	1016	REG	GRAB	5.1357		
Radionuclides	Alpha activity (PCI/L)	S04805	19JUL1995	935	REG	GRAB	4.5951		
Metals	Aluminum (UG/L)	S00889	11OCT1994	1320	REG	GRAB	210		
Metals	Aluminum (UG/L)	S02947	17FEB1995	1345	REG	GRAB	1600		
Metals	Aluminum (UG/L)	S03589	05MAY1995	1014	REG	GRAB	1000		
Metals	Aluminum (UG/L)	S04804	19JUL1995	932	REG	GRAB	380		
Metals	Barium (UG/L)	S00889	11OCT1994	1320	REG	GRAB	190		
Metals	Barium (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	120		
Metals	Barium (UG/L)	S02947	17FEB1995	1345	REG	GRAB	56		
Metals	Barium (UG/L)	S03589	05MAY1995	1014	REG	GRAB	200		
Metals	Barium (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	210		
Metals	Barium (UG/L)	S04804	19JUL1995	932	REG	GRAB	270		
Radionuclides	Beta activity (PCI/L)	S00890	11OCT1994	1300	REG	GRAB	7.8387		
Metals	Calcium (UG/L)	S00889	11OCT1994	1320	REG	GRAB	140000		
Metals	Calcium (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	89000		
Metals	Calcium (UG/L)	S02947	17FEB1995	1345	REG	GRAB	31000		
Metals	Calcium (UG/L)	S03589	05MAY1995	1014	REG	GRAB	140000		
Metals	Calcium (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	140000		
Metals	Calcium (UG/L)	S04804	19JUL1995	932	REG	GRAB	160000		
Metals	Chromium (UG/L)	S02947	17FEB1995	1345	REG	GRAB	19		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Cobalt-60 (PCI/L)	S02946	17FEB1995	1342	REG	GRAB	5.406		
Radionuclides	Cobalt-60 (PCI/L)	S03591	05MAY1995	1018	REG	GRAB	5.406		
Radionuclides	Cobalt-60 (PCI/L)	S04806	19JUL1995	937	REG	GRAB	6.4872		
Organics-Semivolatiles	Diethylphthalate (UG/L)	S00887	11OCT1994	1256	REG	GRAB	1	JB	JB
Metals	Iron (UG/L)	S00889	11OCT1994	1320	REG	GRAB	200		
Metals	Iron (UG/L)	S02947	17FEB1995	1345	REG	GRAB	820		
Metals	Iron (UG/L)	S03589	05MAY1995	1014	REG	GRAB	610		
Metals	Iron (UG/L)	S04804	19JUL1995	932	REG	GRAB	700		
Metals	Magnesium (UG/L)	S00889	11OCT1994	1320	REG	GRAB	17000		
Metals	Magnesium (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	11000		
Metals	Magnesium (UG/L)	S02947	17FEB1995	1345	REG	GRAB	4600		
Metals	Magnesium (UG/L)	S03589	05MAY1995	1014	REG	GRAB	18000		
Metals	Magnesium (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	17000		
Metals	Magnesium (UG/L)	S04804	19JUL1995	932	REG	GRAB	17000		
Metals	Manganese (UG/L)	S00889	11OCT1994	1320	REG	GRAB	14		
Metals	Manganese (UG/L)	S02947	17FEB1995	1345	REG	GRAB	120		
Metals	Manganese (UG/L)	S03589	05MAY1995	1014	REG	GRAB	29		
Metals	Manganese (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	8		
Metals	Manganese (UG/L)	S04804	19JUL1995	932	REG	GRAB	24		
Metals	Mercury (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	0.26		
Metals	Mercury (UG/L)	S02947	17FEB1995	1345	REG	GRAB	0.64		
Inorganics	Nitrate (UG/L)	S00894	11OCT1994	1316	REG	GRAB	3800		
Inorganics	Nitrate (UG/L)	S02632	16FEB1995	1302	REG	GRAB	5030		
Inorganics	Nitrate (UG/L)	S04028	05MAY1995	1029	REG		5700		
Inorganics	Nitrate (UG/L)	S04809	19JUL1995	943	REG	GRAB	4700		
Organics-Pesticides/PCBs	PCB-1254 (UG/L)	S00888	11OCT1994	1258	REG	GRAB	0.1	B	B
Metals	Potassium (UG/L)	S00889	11OCT1994	1320	REG	GRAB	2000		
Metals	Potassium (UG/L)	S03589	05MAY1995	1014	REG	GRAB	2100		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00893	11OCT1994	1314	REG	GRAB	2.67597		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03593	05MAY1995	1022	REG	GRAB	2.02725		
Metals	Silicon (UG/L)	S00889	11OCT1994	1320	REG	GRAB	7000		
Metals	Silicon (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	4400		
Metals	Silicon (UG/L)	S02947	17FEB1995	1345	REG	GRAB	8000		
Metals	Silicon (UG/L)	S03589	05MAY1995	1014	REG	GRAB	8200		
Metals	Silicon (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	6300		
Metals	Silicon (UG/L)	S04804	19JUL1995	932	REG	GRAB	7900		
Metals	Sodium (UG/L)	S00889	11OCT1994	1320	REG	GRAB	9700		
Metals	Sodium (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	9500		
Metals	Sodium (UG/L)	S02947	17FEB1995	1345	REG	GRAB	8600		
Metals	Sodium (UG/L)	S03589	05MAY1995	1014	REG	GRAB	10000		
Metals	Sodium (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	9900		
Metals	Sodium (UG/L)	S04804	19JUL1995	932	REG	GRAB	9300		
Radionuclides	Tritium (PCI/L)	S00892	11OCT1994	1312	REG	GRAB	1243380		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02944	17FEB1995	1338	REG	GRAB	324360		
Radionuclides	Tritium (PCI/L)	S03592	05MAY1995	1020	REG	GRAB	2703000		
Radionuclides	Tritium (PCI/L)	S04807	19JUL1995	939	REG	GRAB	94605		
Metals	Zinc (UG/L)	S02627	16FEB1995	1258	REG	FILTERED	7.5		
Metals	Zinc (UG/L)	S02947	17FEB1995	1345	REG	GRAB	5.9		
Metals	Zinc (UG/L)	S03589	05MAY1995	1014	REG	GRAB	6.8		
Metals	Zinc (UG/L)	S03597	05MAY1995	1031	REG	FILTERED	13		
Metals	Zinc (UG/L)	S04804	19JUL1995	932	REG	GRAB	7.1		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S00885	11OCT1994	1253	REG	GRAB	3.5	J	J
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02625	16FEB1995	1238	REG	GRAB	2	J	J
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03587	05MAY1995	1009	REG	GRAB	5		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04802	19JUL1995	927	REG	GRAB	4	J	J

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S00909	12OCT1994	913	REG	GRAB	6.4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02634	07FEB1995	941	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S03598	17MAY1995	1243	REG	GRAB	4	JB	JB
Metals	Acetone (UG/L)	S03598	17MAY1995	1243	REG	GRAB	6	J	J
Metals	Barium (UG/L)	S00913	12OCT1994	941	REG	GRAB	78		
Metals	Barium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	80		
Metals	Barium (UG/L)	S03600	17MAY1995	1258	REG	GRAB	77		
Metals	Barium (UG/L)	S04813	19JUL1995	856	REG	GRAB	74		
Metals	Barium (UG/L)	S05212	19JUL1995	910	REG	FILTERED	76		
Metals	Calcium (UG/L)	S00913	12OCT1994	941	REG	GRAB	110000		
Metals	Calcium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	110000		
Metals	Calcium (UG/L)	S03600	17MAY1995	1258	REG	GRAB	120000		
Metals	Calcium (UG/L)	S03602	17MAY1995	1250	REG	GRAB	21000		
Metals	Calcium (UG/L)	S04811	19JUL1995	850	REG	GRAB	150000		
Metals	Calcium (UG/L)	S04813	19JUL1995	856	REG	GRAB	120000		
Metals	Calcium (UG/L)	S05212	19JUL1995	910	REG	FILTERED	120000		
Organics-Volatiles	Carbon disulfide (UG/L)	S03598	17MAY1995	1243	REG	GRAB	4	J	J
Metals	Cobalt (UG/L)	S00913	12OCT1994	941	REG	GRAB	4.5		
Metals	Iron (UG/L)	S04811	19JUL1995	850	REG	GRAB	270		
Metals	Lithium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	22		
Metals	Magnesium (UG/L)	S00913	12OCT1994	941	REG	GRAB	27000		
Metals	Magnesium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	28000		
Metals	Magnesium (UG/L)	S03600	17MAY1995	1258	REG	GRAB	29000		
Metals	Magnesium (UG/L)	S03602	17MAY1995	1250	REG	GRAB	5200		

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----- Medium=Groundwater Station=844 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Magnesium (UG/L)	S04811	19JUL1995	850	REG	GRAB	17000		
Metals	Magnesium (UG/L)	S04813	19JUL1995	856	REG	GRAB	29000		
Metals	Magnesium (UG/L)	S05212	19JUL1995	910	REG	FILTERED	29000		
Metals	Manganese (UG/L)	S00913	12OCT1994	941	REG	GRAB	6.6		
Metals	Manganese (UG/L)	S02636	07FEB1995	1005	REG	GRAB	6.4		
Metals	Manganese (UG/L)	S03600	17MAY1995	1258	REG	GRAB	3.3		
Metals	Manganese (UG/L)	S04811	19JUL1995	850	REG	GRAB	4.4		
Metals	Manganese (UG/L)	S04813	19JUL1995	856	REG	GRAB	3.3		
Metals	Manganese (UG/L)	S05212	19JUL1995	910	REG	FILTERED	2.9		
Inorganics	Nitrate (UG/L)	S00918	12OCT1994	933	REG	GRAB	4300		
Inorganics	Nitrate (UG/L)	S02641	07FEB1995	1000	REG	GRAB	460		
Inorganics	Nitrate (UG/L)	S04038	17MAY1995	1309	REG		470		
Inorganics	Nitrate (UG/L)	S04818	19JUL1995	906	REG	GRAB	560		
Metals	Potassium (UG/L)	S00913	12OCT1994	941	REG	GRAB	3100		
Metals	Potassium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	3000		
Metals	Potassium (UG/L)	S03600	17MAY1995	1258	REG	GRAB	3200		
Metals	Potassium (UG/L)	S04813	19JUL1995	856	REG	GRAB	3400		
Metals	Potassium (UG/L)	S05212	19JUL1995	910	REG	FILTERED	3000		
Metals	Silicon (UG/L)	S00913	12OCT1994	941	REG	GRAB	11000		
Metals	Silicon (UG/L)	S02636	07FEB1995	1005	REG	GRAB	11000		
Metals	Silicon (UG/L)	S03600	17MAY1995	1258	REG	GRAB	9800		
Metals	Silicon (UG/L)	S03602	17MAY1995	1250	REG	GRAB	2000		
Metals	Silicon (UG/L)	S04811	19JUL1995	850	REG	GRAB	7000		
Metals	Silicon (UG/L)	S04813	19JUL1995	856	REG	GRAB	11000		
Metals	Silicon (UG/L)	S05212	19JUL1995	910	REG	FILTERED	11000		
Metals	Sodium (UG/L)	S00913	12OCT1994	941	REG	GRAB	11000		
Metals	Sodium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	12000		
Metals	Sodium (UG/L)	S03600	17MAY1995	1258	REG	GRAB	11000		
Metals	Sodium (UG/L)	S03602	17MAY1995	1250	REG	GRAB	2200		
Metals	Sodium (UG/L)	S04811	19JUL1995	850	REG	GRAB	9800		
Metals	Sodium (UG/L)	S04813	19JUL1995	856	REG	GRAB	11000		
Metals	Sodium (UG/L)	S05212	19JUL1995	910	REG	FILTERED	11000		
Metals	Strontium (UG/L)	S02636	07FEB1995	1005	REG	GRAB	740		
Radionuclides	Tritium (PCI/L)	S00916	12OCT1994	928	REG	GRAB	116229		
Radionuclides	Tritium (PCI/L)	S02639	07FEB1995	954	REG	GRAB	18380.4		
Radionuclides	Tritium (PCI/L)	S03603	17MAY1995	1253	REG	GRAB	164883		
Radionuclides	Tritium (PCI/L)	S04816	19JUL1995	902	REG	GRAB	159477		
Metals	Zinc (UG/L)	S03600	17MAY1995	1258	REG	GRAB	6.1		
Metals	Zinc (UG/L)	S04811	19JUL1995	850	REG	GRAB	5.9		
Metals	Zinc (UG/L)	S04813	19JUL1995	856	REG	GRAB	6.2		

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----- Medium=Groundwater Station=845 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S01507	12DEC1994	1307	REG	GRAB	0.62	J	J
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S02362	18JAN1995	1341	REG	GRAB	0.64	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03437	19MAY1995	924	REG	GRAB	0.67	J	J
Metals	Acetone (UG/L)	S01507	12DEC1994	1307	REG	GRAB	3	J	J
Metals	Aluminum (UG/L)	S01511	12DEC1994	1334	REG	GRAB	58.8	B	B
Metals	Aluminum (UG/L)	S04822	06SEP1995	1304	REG	GRAB	54.3	B	B
Metals	Aluminum (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	37.1	B	B
Metals	Barium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	220		
Metals	Barium (UG/L)	S02364	18JAN1995	1427	REG	GRAB	175	B	B
Metals	Barium (UG/L)	S03440	19MAY1995	932	REG	GRAB	215.04		
Metals	Barium (UG/L)	S03535	19MAY1995	959	REG	FILTERED	189		
Metals	Barium (UG/L)	S04822	06SEP1995	1304	REG	GRAB	419		
Metals	Barium (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	378		
Organics-Volatiles	Benzene (UG/L)	S03437	19MAY1995	924	REG	GRAB	0.62	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02366	18JAN1995	140	REG	GRAB	175		
Radionuclides	Bismuth-214 (PCI/L)	S03444	19MAY1995	937	REG	GRAB	72		
Metals	Boron (UG/L)	S01511	12DEC1994	1334	REG	GRAB	131		
Metals	Boron (UG/L)	S04822	06SEP1995	1304	REG	GRAB	62.6	B	B
Metals	Boron (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	60.4	B	B
Metals	Calcium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	115000		
Metals	Calcium (UG/L)	S02364	18JAN1995	1427	REG	GRAB	106000		
Metals	Calcium (UG/L)	S03440	19MAY1995	932	REG	GRAB	115133.11		
Metals	Calcium (UG/L)	S03535	19MAY1995	959	REG	FILTERED	112000		
Metals	Calcium (UG/L)	S04822	06SEP1995	1304	REG	GRAB	110000		
Metals	Calcium (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	118000		
Organics-Volatiles	Chloromethane (UG/L)	S03437	19MAY1995	924	REG	GRAB	1.2		
Metals	Copper (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	4.8	B	B
Radionuclides	Gross Beta (PCI/L)	S02365	18JAN1995	1353	REG	GRAB	13.9	CL	CL
Metals	Iron (UG/L)	S01511	12DEC1994	1334	REG	GRAB	40.3	B	B
Metals	Iron (UG/L)	S04822	06SEP1995	1304	REG	GRAB	122		
Metals	Iron (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	65	B	B
Radionuclides	Lead-214 (PCI/L)	S02366	18JAN1995	140	REG	GRAB	124		
Radionuclides	Lead-214 (PCI/L)	S03444	19MAY1995	937	REG	GRAB	74		
Metals	Magnesium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	14900		
Metals	Magnesium (UG/L)	S02364	18JAN1995	1427	REG	GRAB	13700		
Metals	Magnesium (UG/L)	S03440	19MAY1995	932	REG	GRAB	14355.64		
Metals	Magnesium (UG/L)	S03535	19MAY1995	959	REG	FILTERED	14900		
Metals	Magnesium (UG/L)	S04822	06SEP1995	1304	REG	GRAB	12000		
Metals	Magnesium (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	14300		
Metals	Manganese (UG/L)	S01511	12DEC1994	1334	REG	GRAB	11.8	B	B
Metals	Manganese (UG/L)	S03440	19MAY1995	932	REG	GRAB	3.29	B	B
Metals	Manganese (UG/L)	S03535	19MAY1995	959	REG	FILTERED	3.8	B	B
Metals	Manganese (UG/L)	S04822	06SEP1995	1304	REG	GRAB	40		
Metals	Manganese (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	21.1		

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----- Medium=Groundwater Station=845 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Mercury (UG/L)	S01511	12DEC1994	1334	REG	GRAB	0.56		
Metals	Mercury (UG/L)	S02364	18JAN1995	1427	REG	GRAB	0.3		
Metals	Nickel (UG/L)	S01511	12DEC1994	1334	REG	GRAB	12.9	B	B
Inorganics	Nitrate (UG/L)	S01516	12DEC1994	1324	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02369	18JAN1995	1418	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04474	19MAY1995	947	REG		500		
Inorganics	Nitrate (UG/L)	S04827	06SEP1995	1314	REG	GRAB	500		
Metals	Potassium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	936	B	B
Metals	Potassium (UG/L)	S02364	18JAN1995	1427	REG	GRAB	1020	B	B
Metals	Potassium (UG/L)	S03440	19MAY1995	932	REG	GRAB	1114.87	B	B
Metals	Potassium (UG/L)	S03535	19MAY1995	959	REG	FILTERED	1180	B	B
Metals	Potassium (UG/L)	S04822	06SEP1995	1304	REG	GRAB	904	B	B
Metals	Potassium (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	1190	B	B
Radionuclides	Potassium-40 (PCI/L)	S03444	19MAY1995	937	REG	GRAB	104		
Metals	Silicon (UG/L)	S01511	12DEC1994	1334	REG	GRAB	8250		
Metals	Silicon (UG/L)	S02364	18JAN1995	1427	REG	GRAB	7410		
Metals	Silicon (UG/L)	S03440	19MAY1995	932	REG	GRAB	7979.94		
Metals	Silicon (UG/L)	S03535	19MAY1995	959	REG	FILTERED	8090		
Metals	Silicon (UG/L)	S04822	06SEP1995	1304	REG	GRAB	8630		
Metals	Silicon (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	7850		
Metals	Sodium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	7390		
Metals	Sodium (UG/L)	S03440	19MAY1995	932	REG	GRAB	7536.93		
Metals	Sodium (UG/L)	S03535	19MAY1995	959	REG	FILTERED	7720		
Metals	Sodium (UG/L)	S04822	06SEP1995	1304	REG	GRAB	6270		
Metals	Sodium (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	6920		
Metals	Thallium (UG/L)	S01511	12DEC1994	1334	REG	GRAB	3.5	B	B
Organics-Volatiles	Trichloroethene (UG/L)	S03437	19MAY1995	924	REG	GRAB	0.6	J	J
Radionuclides	Tritium (PCI/L)	S01514	12DEC1994	1320	REG	GRAB	18000		
Radionuclides	Tritium (PCI/L)	S02367	18JAN1995	1407	REG	GRAB	17400	J	
Radionuclides	Tritium (PCI/L)	S03446	19MAY1995	941	REG	GRAB	15040	J	
Radionuclides	Tritium (PCI/L)	S04825	06SEP1995	1310	REG	GRAB	18500	J	
Organics-Volatiles	Vinyl chloride (UG/L)	S01507	12DEC1994	1307	REG	GRAB	2		
Organics-Volatiles	Vinyl chloride (UG/L)	S02362	18JAN1995	1341	REG	GRAB	1.7		
Organics-Volatiles	Vinyl chloride (UG/L)	S03437	19MAY1995	924	REG	GRAB	1.9		
Organics-Volatiles	Vinyl chloride (UG/L)	S04820	06SEP1995	1301	REG	GRAB	1		
Metals	Zinc (UG/L)	S01511	12DEC1994	1334	REG	GRAB	10	B	B
Metals	Zinc (UG/L)	S04822	06SEP1995	1304	REG	GRAB	17.4	B	B
Metals	Zinc (UG/L)	S05213	06SEP1995	1317	REG	FILTERED	21.6		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S01507	12DEC1994	1307	REG	GRAB	5		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02362	18JAN1995	1341	REG	GRAB	4.5		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03437	19MAY1995	924	REG	GRAB	5.7		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04820	06SEP1995	1301	REG	GRAB	3.5		

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----- Medium=Groundwater Station=846 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02736	27FEB1995	1356	REG	GRAB	4	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S04829	24AUG1995	1350	REG	GRAB	3	JB	JB
Metals	Acetone (UG/L)	S01116	12DEC1994	1400	REG	GRAB	4.5	J	J
Radionuclides	Alpha activity (PCI/L)	S04832	24AUG1995	1356	REG	GRAB	3.2436		
Metals	Aluminum (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	37.8	B	B
Metals	Barium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	101	B	B
Metals	Barium (UG/L)	S02744	27FEB1995	1412	REG	GRAB	98		
Metals	Barium (UG/L)	S03151	27FEB1995	1420	REG	FILTERED	97		
Metals	Barium (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	99.5	B	B
Metals	Barium (UG/L)	S04831	24AUG1995	1354	REG	GRAB	99		
Metals	Barium (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	100		
Radionuclides	Bismuth-214 (PCI/L)	S01122	12DEC1994	1410	REG	GRAB	19		
Metals	Boron (UG/L)	S01120	12DEC1994	1406	REG	GRAB	52.8	B	B
Metals	Calcium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	129000		
Metals	Calcium (UG/L)	S02744	27FEB1995	1412	REG	GRAB	130000		
Metals	Calcium (UG/L)	S03151	27FEB1995	1420	REG	FILTERED	130000		
Metals	Calcium (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	129000		
Metals	Calcium (UG/L)	S04831	24AUG1995	1354	REG	GRAB	110000		
Metals	Calcium (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	110000		
Metals	Iron (UG/L)	S01120	12DEC1994	1406	REG	GRAB	76.8	B	B
Metals	Iron (UG/L)	S04831	24AUG1995	1354	REG	GRAB	110		
Metals	Magnesium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	34500		
Metals	Magnesium (UG/L)	S02744	27FEB1995	1412	REG	GRAB	36000		
Metals	Magnesium (UG/L)	S03151	27FEB1995	1420	REG	FILTERED	36000		
Metals	Magnesium (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	35700		
Metals	Magnesium (UG/L)	S04831	24AUG1995	1354	REG	GRAB	33000		
Metals	Magnesium (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	33000		
Metals	Manganese (UG/L)	S01120	12DEC1994	1406	REG	GRAB	1.1	B	B
Metals	Manganese (UG/L)	S04831	24AUG1995	1354	REG	GRAB	5.9		
Inorganics	Nitrate (UG/L)	S01125	12DEC1994	1413	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02742	27FEB1995	1409	REG	GRAB	958		
Inorganics	Nitrate (UG/L)	S04027	30MAY1995	1412	REG		500		
Inorganics	Nitrate (UG/L)	S04836	24AUG1995	1404	REG	GRAB	840		
Metals	Potassium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	2090	B	B
Metals	Potassium (UG/L)	S02744	27FEB1995	1412	REG	GRAB	2300		
Metals	Potassium (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	2200	B	B
Metals	Potassium (UG/L)	S04831	24AUG1995	1354	REG	GRAB	2200		
Metals	Potassium (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	2000		
Metals	Silicon (UG/L)	S01120	12DEC1994	1406	REG	GRAB	8120		
Metals	Silicon (UG/L)	S02744	27FEB1995	1412	REG	GRAB	7900		
Metals	Silicon (UG/L)	S03151	27FEB1995	1420	REG	FILTERED	7800		
Metals	Silicon (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	8050		
Metals	Silicon (UG/L)	S04831	24AUG1995	1354	REG	GRAB	7800		
Metals	Silicon (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	7800		

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----- Medium=Groundwater Station=846 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	20800		
Metals	Sodium (UG/L)	S02744	27FEB1995	1412	REG	GRAB	20000		
Metals	Sodium (UG/L)	S03151	27FEB1995	1420	REG	FILTERED	20000		
Metals	Sodium (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	21600		
Metals	Sodium (UG/L)	S04831	24AUG1995	1354	REG	GRAB	20000		
Metals	Sodium (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	21000		
Radionuclides	Strontium-90 (PCI/L)	S01124	12DEC1994	1412	REG	GRAB	0.56		
Metals	Thallium (UG/L)	S01120	12DEC1994	1406	REG	GRAB	4	B	B
Metals	Zinc (UG/L)	S01120	12DEC1994	1406	REG	GRAB	5.6	B	B
Metals	Zinc (UG/L)	S03869	30MAY1995	1412	REG	FILTERED	8.8	B	B
Metals	Zinc (UG/L)	S04831	24AUG1995	1354	REG	GRAB	11		
Metals	Zinc (UG/L)	S05214	24AUG1995	1407	REG	FILTERED	9.5		

----- Medium=Groundwater Station=847 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S00873	10OCT1994	1212	REG	GRAB	4.3	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02643	17FEB1995	1223	REG	GRAB	3	J	J
Organics-Volatiles	2-Butanone (UG/L)	S03609	03MAY1995	1013	REG	GRAB	2	JB	JB
Metals	Acetone (UG/L)	S04838	14AUG1995	948	REG	GRAB	3	J	J
Radionuclides	Alpha activity (PCI/L)	S02949	17FEB1995	1244	REG		3.5139		
Metals	Aluminum (UG/L)	S02948	17FEB1995	1254	REG		1300		
Metals	Aluminum (UG/L)	S03611	03MAY1995	1019	REG	GRAB	160		
Metals	Aluminum (UG/L)	S04840	14AUG1995	1004	REG	GRAB	860		
Metals	Barium (UG/L)	S00971	11OCT1994	829	REG	GRAB	59		
Metals	Barium (UG/L)	S02645	17FEB1995	1229	REG	GRAB	62		
Metals	Barium (UG/L)	S02948	17FEB1995	1254	REG		58		
Metals	Barium (UG/L)	S03611	03MAY1995	1019	REG	GRAB	53		
Metals	Barium (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	56		
Metals	Barium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	62		
Radionuclides	Beta activity (PCI/L)	S00878	10OCT1994	1220	REG	GRAB	5.1357		
Metals	Calcium (UG/L)	S00971	11OCT1994	829	REG	GRAB	150000		
Metals	Calcium (UG/L)	S02645	17FEB1995	1229	REG	GRAB	150000		
Metals	Calcium (UG/L)	S02948	17FEB1995	1254	REG		150000		
Metals	Calcium (UG/L)	S03611	03MAY1995	1019	REG	GRAB	150000		
Metals	Calcium (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	150000		
Metals	Calcium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	130000		
Organics-Volatiles	Carbon disulfide (UG/L)	S04838	14AUG1995	948	REG	GRAB	4	J	J
Metals	Chromium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	560		
Organics-Semivolatiles	Diethylphthalate (UG/L)	S00875	10OCT1994	1216	REG	GRAB	2	JB	JB

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----- Medium=Groundwater Station=847 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S00971	11OCT1994	829	REG	GRAB	97		
Metals	Iron (UG/L)	S02948	17FEB1995	1254	REG		610		
Metals	Iron (UG/L)	S03611	03MAY1995	1019	REG	GRAB	180		
Metals	Iron (UG/L)	S04840	14AUG1995	1004	REG	GRAB	2600		
Metals	Magnesium (UG/L)	S00971	11OCT1994	829	REG	GRAB	31000		
Metals	Magnesium (UG/L)	S02645	17FEB1995	1229	REG	GRAB	31000		
Metals	Magnesium (UG/L)	S02948	17FEB1995	1254	REG		31000		
Metals	Magnesium (UG/L)	S03611	03MAY1995	1019	REG	GRAB	32000		
Metals	Magnesium (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	32000		
Metals	Magnesium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	31000		
Metals	Manganese (UG/L)	S00971	11OCT1994	829	REG	GRAB	6.7		
Metals	Manganese (UG/L)	S02948	17FEB1995	1254	REG		7.1		
Metals	Manganese (UG/L)	S03611	03MAY1995	1019	REG	GRAB	2		
Metals	Manganese (UG/L)	S04840	14AUG1995	1004	REG	GRAB	50		
Metals	Mercury (UG/L)	S02645	17FEB1995	1229	REG	GRAB	0.097		
Metals	Mercury (UG/L)	S02948	17FEB1995	1254	REG		0.12		
Metals	Nickel (UG/L)	S00971	11OCT1994	829	REG	GRAB	10		
Metals	Nickel (UG/L)	S04840	14AUG1995	1004	REG	GRAB	210		
Inorganics	Nitrate (UG/L)	S00974	11OCT1994	837	REG	GRAB	420		
Inorganics	Nitrate (UG/L)	S02650	17FEB1995	1258	REG	GRAB	512		
Inorganics	Nitrate (UG/L)	S04033	03MAY1995	1040	REG		860		
Organics-Pesticides/PCBs	PCB-1254 (UG/L)	S00876	10OCT1994	1218	REG	GRAB	0.06	B	B
Metals	Potassium (UG/L)	S00971	11OCT1994	829	REG	GRAB	4800		
Metals	Potassium (UG/L)	S02645	17FEB1995	1229	REG	GRAB	3000		
Metals	Potassium (UG/L)	S02948	17FEB1995	1254	REG		4000		
Metals	Potassium (UG/L)	S03611	03MAY1995	1019	REG	GRAB	4400		
Metals	Potassium (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	4900		
Metals	Potassium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	4500		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S02951	17FEB1995	1251	REG		1.64883		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S04844	14AUG1995	1001	REG	GRAB	2.703		
Metals	Silicon (UG/L)	S00971	11OCT1994	829	REG	GRAB	8900		
Metals	Silicon (UG/L)	S02645	17FEB1995	1229	REG	GRAB	8500		
Metals	Silicon (UG/L)	S02948	17FEB1995	1254	REG		11000		
Metals	Silicon (UG/L)	S03611	03MAY1995	1019	REG	GRAB	9300		
Metals	Silicon (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	8500		
Metals	Silicon (UG/L)	S04840	14AUG1995	1004	REG	GRAB	9600		
Metals	Sodium (UG/L)	S00971	11OCT1994	829	REG	GRAB	27000		
Metals	Sodium (UG/L)	S02645	17FEB1995	1229	REG	GRAB	33000		
Metals	Sodium (UG/L)	S02948	17FEB1995	1254	REG		28000		
Metals	Sodium (UG/L)	S03611	03MAY1995	1019	REG	GRAB	27000		
Metals	Sodium (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	28000		
Metals	Sodium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	27000		
Radionuclides	Tritium (PCI/L)	S00972	11OCT1994	832	REG	GRAB	100011		

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----- Medium=Groundwater Station=847 ML_DESC=Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02648	17FEB1995	1242	REG	GRAB	113526		
Radionuclides	Tritium (PCI/L)	S03614	03MAY1995	1029	REG	GRAB	102714		
Radionuclides	Tritium (PCI/L)	S04843	14AUG1995	959	REG	GRAB	105417		
Metals	Vanadium (UG/L)	S02948	17FEB1995	1254	REG		3.2		
Metals	Vanadium (UG/L)	S04840	14AUG1995	1004	REG	GRAB	3.7		
Metals	Zinc (UG/L)	S03619	03MAY1995	1043	REG	FILTERED	5.8		
Metals	Zinc (UG/L)	S04840	14AUG1995	1004	REG	GRAB	9.2		

----- Medium=Groundwater Station=848 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	2.6		
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S02275	02MAR1995	1019	REG	GRAB	1.6		
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S03620	24MAY1995	1002	REG	GRAB	1.9		
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S04847	10JUL1995	1004	REG	GRAB	1.8		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	13		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S02275	02MAR1995	1019	REG	GRAB	9.3		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S03620	24MAY1995	1002	REG	GRAB	13		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S04847	10JUL1995	1004	REG	GRAB	10		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.6	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.92	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04847	10JUL1995	1004	REG	GRAB	0.61	J	J
Metals	Acetone (UG/L)	S01520	27DEC1994	1359	REG	GRAB	1	J	J
Metals	Antimony (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	4.3	B	B
Metals	Barium (UG/L)	S01524	27DEC1994	1436	REG	GRAB	423		
Metals	Barium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	446.62		
Metals	Barium (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	443		
Metals	Barium (UG/L)	S03622	24MAY1995	1019	REG	GRAB	438		
Metals	Barium (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	434		
Metals	Barium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	476.56		
Metals	Barium (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	470		
Organics-Volatiles	Benzene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.1	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02279	02MAR1995	1031	REG	GRAB	72		
Radionuclides	Bismuth-214 (PCI/L)	S03142	02MAR1995	1051	REG	FILTERED	25		
Radionuclides	Bismuth-214 (PCI/L)	S03624	24MAY1995	1010	REG	GRAB	21		
Metals	Boron (UG/L)	S01524	27DEC1994	1436	REG	GRAB	652		
Metals	Boron (UG/L)	S02277	02MAR1995	1025	REG	GRAB	530.89		
Metals	Boron (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	506		
Metals	Boron (UG/L)	S03622	24MAY1995	1019	REG	GRAB	402		
Metals	Boron (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	425		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Boron (UG/L)	S04849	10JUL1995	1009	REG	GRAB	724.82		
Metals	Boron (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	619		
Metals	Calcium (UG/L)	S01524	27DEC1994	1436	REG	GRAB	124000		
Metals	Calcium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	134874.08		
Metals	Calcium (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	133000		
Metals	Calcium (UG/L)	S03622	24MAY1995	1019	REG	GRAB	133000		
Metals	Calcium (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	132000		
Metals	Calcium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	142866.22		
Metals	Calcium (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	142000		
Organics-Volatiles	Carbon tetrachloride (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.4	J	J
Organics-Volatiles	Chloroethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.62	J	J
Organics-Volatiles	Chloroethane (UG/L)	S03620	24MAY1995	1002	REG	GRAB	0.65	J	J
Organics-Volatiles	Chloroform (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.1	J	J
Organics-Volatiles	Chloromethane (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.1	J	J
Metals	Chromium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	4.08	B	B
Radionuclides	Gross Beta (PCI/L)	S02278	02MAR1995	1028	REG	GRAB	168	CL	CL
Radionuclides	Gross Beta (PCI/L)	S03141	02MAR1995	1048	REG	FILTERED	134	CL	CL
Metals	Iron (UG/L)	S01524	27DEC1994	1436	REG	GRAB	53.7	B	B
Metals	Iron (UG/L)	S04849	10JUL1995	1009	REG	GRAB	194.74	*	*
Metals	Iron (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	36.9	B	B
Metals	Lead (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	1.2	B	B
Radionuclides	Lead-214 (PCI/L)	S02279	02MAR1995	1031	REG	GRAB	83		
Radionuclides	Lead-214 (PCI/L)	S03142	02MAR1995	1051	REG	FILTERED	14		
Radionuclides	Lead-214 (PCI/L)	S03624	24MAY1995	1010	REG	GRAB	15		
Metals	Magnesium (UG/L)	S01524	27DEC1994	1436	REG	GRAB	10400		
Metals	Magnesium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	11183.96		
Metals	Magnesium (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	11000		
Metals	Magnesium (UG/L)	S03622	24MAY1995	1019	REG	GRAB	11300		
Metals	Magnesium (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	11100		
Metals	Magnesium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	11872.22		
Metals	Magnesium (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	11700		
Metals	Manganese (UG/L)	S01524	27DEC1994	1436	REG	GRAB	348		
Metals	Manganese (UG/L)	S02277	02MAR1995	1025	REG	GRAB	301.6		
Metals	Manganese (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	228		
Metals	Manganese (UG/L)	S03622	24MAY1995	1019	REG	GRAB	203		
Metals	Manganese (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	194		
Metals	Manganese (UG/L)	S04849	10JUL1995	1009	REG	GRAB	353.92		
Metals	Manganese (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	269		
Organics-Volatiles	Methylene chloride (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.2	J	J
Inorganics	Nitrate (UG/L)	S01529	27DEC1994	1426	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02282	02MAR1995	1039	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04032	24MAY1995	1030	REG		500		
Inorganics	Nitrate (UG/L)	S04854	10JUL1995	1024	REG	GRAB	500		

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----- Medium=Groundwater Station=848 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Potassium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	898.87	B	B
Metals	Potassium (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	875	B	B
Metals	Potassium (UG/L)	S03622	24MAY1995	1019	REG	GRAB	1180	B	B
Metals	Potassium (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	1230	B	B
Metals	Potassium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	685.09	B	B
Metals	Selenium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	2.32	B	B
Metals	Silicon (UG/L)	S01524	27DEC1994	1436	REG	GRAB	10700		
Metals	Silicon (UG/L)	S02277	02MAR1995	1025	REG	GRAB	10557.35		
Metals	Silicon (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	10900		
Metals	Silicon (UG/L)	S03622	24MAY1995	1019	REG	GRAB	11000		
Metals	Silicon (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	10900		
Metals	Silicon (UG/L)	S04849	10JUL1995	1009	REG	GRAB	10512.74		
Metals	Silicon (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	10600		
Metals	Sodium (UG/L)	S01524	27DEC1994	1436	REG	GRAB	10300		
Metals	Sodium (UG/L)	S02277	02MAR1995	1025	REG	GRAB	10606.42		
Metals	Sodium (UG/L)	S03140	02MAR1995	1045	REG	FILTERED	10600		
Metals	Sodium (UG/L)	S03622	24MAY1995	1019	REG	GRAB	10500		
Metals	Sodium (UG/L)	S03630	24MAY1995	1022	REG	FILTERED	10600		
Metals	Sodium (UG/L)	S04849	10JUL1995	1009	REG	GRAB	10821.93		
Metals	Sodium (UG/L)	S05216	10JUL1995	1028	REG	FILTERED	10900		
Radionuclides	Strontium-90 (PCI/L)	S01528	27DEC1994	1414	REG	GRAB	60.4	J	
Radionuclides	Strontium-90 (PCI/L)	S02281	02MAR1995	1036	REG	GRAB	40.6	J	
Radionuclides	Strontium-90 (PCI/L)	S03143	02MAR1995	1054	REG	FILTERED	38.4	J	
Radionuclides	Strontium-90 (PCI/L)	S03626	24MAY1995	1015	REG	GRAB	23		
Radionuclides	Strontium-90 (PCI/L)	S04853	10JUL1995	1020	REG	GRAB	37.7	J	
Organics-Volatiles	Tetrachloroethene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.3	J	J
Organics-Volatiles	Toluene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.06	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	2.4		
Organics-Volatiles	Trichloroethene (UG/L)	S02275	02MAR1995	1019	REG	GRAB	1.4		
Organics-Volatiles	Trichloroethene (UG/L)	S03620	24MAY1995	1002	REG	GRAB	1.6		
Organics-Volatiles	Trichloroethene (UG/L)	S04847	10JUL1995	1004	REG	GRAB	1.4		
Radionuclides	Tritium (PCI/L)	S01527	27DEC1994	1412	REG	GRAB	18250000		
Radionuclides	Tritium (PCI/L)	S02280	02MAR1995	1034	REG	GRAB	11740000	J	
Radionuclides	Tritium (PCI/L)	S03625	24MAY1995	1013	REG	GRAB	11060000	J	
Radionuclides	Tritium (PCI/L)	S04852	10JUL1995	1018	REG	GRAB	15260000	J	
Organics-Volatiles	Vinyl chloride (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.4	J	J
Metals	Zinc (UG/L)	S01524	27DEC1994	1436	REG	GRAB	3.8	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	22		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02275	02MAR1995	1019	REG	GRAB	13		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03620	24MAY1995	1002	REG	GRAB	15		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04847	10JUL1995	1004	REG	GRAB	14		
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S01520	27DEC1994	1359	REG	GRAB	0.1	J	J

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----- Medium=Groundwater Station=849 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1,1-Trichloroethane (UG/L)	S02116	17JAN1995	1050	REG	GRAB	0.57	J	J
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S02116	17JAN1995	1050	REG	GRAB	5.4		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S03631	09MAY1995	942	REG	GRAB	4.4		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S04856	10JUL1995	1359	REG	GRAB	4.2		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S02116	17JAN1995	1050	REG	GRAB	0.58	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02116	17JAN1995	1050	REG	GRAB	1	J	
Metals	Aluminum (UG/L)	S01410	08DEC1994	1414	REG	GRAB	221		
Metals	Aluminum (UG/L)	S02118	17JAN1995	1118	REG	GRAB	1923.71		
Metals	Aluminum (UG/L)	S03633	09MAY1995	948	REG	GRAB	271		
Metals	Barium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	339		
Metals	Barium (UG/L)	S02118	17JAN1995	1118	REG	GRAB	344.53		
Metals	Barium (UG/L)	S03633	09MAY1995	948	REG	GRAB	326		
Metals	Barium (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	303		
Metals	Barium (UG/L)	S04858	10JUL1995	1404	REG	GRAB	365		
Metals	Barium (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	351		
Organics-Volatiles	Benzene (UG/L)	S02116	17JAN1995	1050	REG	GRAB	1.1		
Organics-Volatiles	Benzene (UG/L)	S03631	09MAY1995	942	REG	GRAB	1.2		
Organics-Volatiles	Benzene (UG/L)	S04856	10JUL1995	1359	REG	GRAB	1.6		
Metals	Boron (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	72.6	B	B
Metals	Calcium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	93100		
Metals	Calcium (UG/L)	S02118	17JAN1995	1118	REG	GRAB	134556.76		
Metals	Calcium (UG/L)	S03633	09MAY1995	948	REG	GRAB	106000		
Metals	Calcium (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	122000		
Metals	Calcium (UG/L)	S04858	10JUL1995	1404	REG	GRAB	94000		
Metals	Calcium (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	101000		
Organics-Volatiles	Chloroethane (UG/L)	S02116	17JAN1995	1050	REG	GRAB	1.2		
Organics-Volatiles	Chloroethane (UG/L)	S03631	09MAY1995	942	REG	GRAB	1.1		
Organics-Volatiles	Chloroethane (UG/L)	S04856	10JUL1995	1359	REG	GRAB	2.2		
Metals	Copper (UG/L)	S02118	17JAN1995	1118	REG	GRAB	8.01	B	B
Radionuclides	Gross Alpha (PCI/L)	S02119	17JAN1995	1056	REG	GRAB	25.1	CL	CL
Radionuclides	Gross Beta (PCI/L)	S02119	17JAN1995	1056	REG	GRAB	88.3	CL	CL
Metals	Iron (UG/L)	S01410	08DEC1994	1414	REG	GRAB	267		
Metals	Iron (UG/L)	S02118	17JAN1995	1118	REG	GRAB	2050.69		
Metals	Iron (UG/L)	S03633	09MAY1995	948	REG	GRAB	446	J	
Metals	Iron (UG/L)	S04858	10JUL1995	1404	REG	GRAB	409	*	*
Metals	Iron (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	170	*	*
Radionuclides	Lead-214 (PCI/L)	S02120	17JAN1995	1059	REG	GRAB	16		
Metals	Magnesium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	8040		
Metals	Magnesium (UG/L)	S02118	17JAN1995	1118	REG	GRAB	9484.09		
Metals	Magnesium (UG/L)	S03633	09MAY1995	948	REG	GRAB	8970		
Metals	Magnesium (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	9070		
Metals	Magnesium (UG/L)	S04858	10JUL1995	1404	REG	GRAB	9140		
Metals	Magnesium (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	9040		
Metals	Manganese (UG/L)	S01410	08DEC1994	1414	REG	GRAB	81.4		

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----- Medium=Groundwater Station=849 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S02118	17JAN1995	1118	REG	GRAB	69.27		
Metals	Manganese (UG/L)	S03633	09MAY1995	948	REG	GRAB	101		
Metals	Manganese (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	94.5		
Metals	Manganese (UG/L)	S04858	10JUL1995	1404	REG	GRAB	96.8		
Metals	Manganese (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	84		
Inorganics	Nitrate (UG/L)	S01415	08DEC1994	1402	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02123	17JAN1995	1110	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04031	09MAY1995	1005	REG		500		
Inorganics	Nitrate (UG/L)	S04863	10JUL1995	1416	REG	GRAB	500		
Metals	Potassium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	734	B	B
Metals	Potassium (UG/L)	S02118	17JAN1995	1118	REG	GRAB	1351.02	B	B
Metals	Potassium (UG/L)	S04858	10JUL1995	1404	REG	GRAB	708	B	B
Metals	Selenium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	1.4	B	B
Metals	Silicon (UG/L)	S01410	08DEC1994	1414	REG	GRAB	9380		
Metals	Silicon (UG/L)	S02118	17JAN1995	1118	REG	GRAB	12877.11		
Metals	Silicon (UG/L)	S03633	09MAY1995	948	REG	GRAB	10400		
Metals	Silicon (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	10300		
Metals	Silicon (UG/L)	S04858	10JUL1995	1404	REG	GRAB	9380		
Metals	Silicon (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	9280		
Metals	Sodium (UG/L)	S01410	08DEC1994	1414	REG	GRAB	5600		
Metals	Sodium (UG/L)	S02118	17JAN1995	1118	REG	GRAB	8139.6	E	E
Metals	Sodium (UG/L)	S03633	09MAY1995	948	REG	GRAB	5900		
Metals	Sodium (UG/L)	S03641	09MAY1995	1007	REG	FILTERED	6050		
Metals	Sodium (UG/L)	S04858	10JUL1995	1404	REG	GRAB	5670		
Metals	Sodium (UG/L)	S05217	10JUL1995	1419	REG	FILTERED	5820		
Radionuclides	Strontium-90 (PCI/L)	S01414	08DEC1994	1359	REG	GRAB	1.01		
Radionuclides	Strontium-90 (PCI/L)	S02122	17JAN1995	1109	REG	GRAB	2.8	J	
Radionuclides	Strontium-90 (PCI/L)	S03637	09MAY1995	959	REG	GRAB	17.3	J	
Radionuclides	Strontium-90 (PCI/L)	S04862	10JUL1995	1413	REG	GRAB	4.63	J	
Organics-Volatiles	Trichloroethene (UG/L)	S04856	10JUL1995	1359	REG	GRAB	84	R	E
Radionuclides	Tritium (PCI/L)	S01413	08DEC1994	1356	REG	GRAB	5440000	J	
Radionuclides	Tritium (PCI/L)	S02121	17JAN1995	1103	REG	GRAB	1713000	J	
Radionuclides	Tritium (PCI/L)	S03636	09MAY1995	957	REG	GRAB	4960000	J	
Radionuclides	Tritium (PCI/L)	S04861	10JUL1995	1411	REG	GRAB	5680000	J	
Organics-Volatiles	Vinyl chloride (UG/L)	S03631	09MAY1995	942	REG	GRAB	22		
Organics-Volatiles	Vinyl chloride (UG/L)	S04856	10JUL1995	1359	REG	GRAB	14		
Metals	Zinc (UG/L)	S02118	17JAN1995	1118	REG	GRAB	26.8		
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S02116	17JAN1995	1050	REG	GRAB	0.83	J	J
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S03631	09MAY1995	942	REG	GRAB	0.55	J	J
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S04856	10JUL1995	1359	REG	GRAB	0.56	J	J

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S01449	07DEC1994	1400	REG	GRAB	22.5		
Metals	Aluminum (UG/L)	S03644	05APR1995	1310	REG	GRAB	66.42	B	B
Metals	Arsenic (UG/L)	S01449	07DEC1994	1400	REG	GRAB	25.3		
Metals	Arsenic (UG/L)	S02127	04JAN1995	1421	REG	GRAB	21.4		
Metals	Arsenic (UG/L)	S03644	05APR1995	1310	REG	GRAB	27.16		
Metals	Barium (UG/L)	S01449	07DEC1994	1400	REG	GRAB	810		
Metals	Barium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	784.25		
Metals	Barium (UG/L)	S03644	05APR1995	1310	REG	GRAB	937.62		
Metals	Barium (UG/L)	S03652	05APR1995	1334	REG	FILTERED	906		
Metals	Barium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	996		
Metals	Barium (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	896		
Organics-Volatiles	Benzene (UG/L)	S01445	07DEC1994	1327	REG	GRAB	2.8	J	
Organics-Volatiles	Benzene (UG/L)	S02125	04JAN1995	1357	REG	GRAB	3.7		
Organics-Volatiles	Benzene (UG/L)	S03642	05APR1995	1259	REG	GRAB	4.3		
Organics-Volatiles	Benzene (UG/L)	S04865	30AUG1995	1023	REG	GRAB	2.6		
Radionuclides	Bismuth-214 (PCI/L)	S02129	04JAN1995	1406	REG	GRAB	27		
Radionuclides	Bismuth-214 (PCI/L)	S03646	05APR1995	1316	REG	GRAB	22		
Radionuclides	Bismuth-214 (PCI/L)	S04869	30AUG1995	1032	REG	GRAB	19		
Metals	Boron (UG/L)	S01449	07DEC1994	1400	REG	GRAB	18	B	B
Metals	Boron (UG/L)	S02127	04JAN1995	1421	REG	GRAB	17.93	B	B
Metals	Calcium (UG/L)	S01449	07DEC1994	1400	REG	GRAB	41900		
Metals	Calcium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	41151.48		
Metals	Calcium (UG/L)	S03644	05APR1995	1310	REG	GRAB	45122.99		
Metals	Calcium (UG/L)	S03652	05APR1995	1334	REG	FILTERED	44400		
Metals	Calcium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	47400		
Metals	Calcium (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	43800		
Radionuclides	Cesium-134 (PCI/L)	S04869	30AUG1995	1032	REG	GRAB	5.3		
Metals	Chromium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	3	B	B
Metals	Cobalt (UG/L)	S01449	07DEC1994	1400	REG	GRAB	18	B	B
Metals	Cobalt (UG/L)	S02127	04JAN1995	1421	REG	GRAB	10.9	B	B
Metals	Cobalt (UG/L)	S03644	05APR1995	1310	REG	GRAB	21.5	B	B
Metals	Cobalt (UG/L)	S03652	05APR1995	1334	REG	FILTERED	16.8	B	B
Metals	Cobalt (UG/L)	S04867	30AUG1995	1028	REG	GRAB	16.3	B	B
Metals	Cobalt (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	15.1	B	B
Metals	Copper (UG/L)	S04867	30AUG1995	1028	REG	GRAB	4	B	B
Organics-Volatiles	Dimethylbenzene (UG/L)	S02125	04JAN1995	1357	REG	GRAB	190	E	E
Organics-Volatiles	Dimethylbenzene (UG/L)	S03642	05APR1995	1259	REG	GRAB	260	E	E
Organics-Volatiles	Dimethylbenzene (UG/L)	S04865	30AUG1995	1023	REG	GRAB	190		
Organics-Volatiles	Ethylbenzene (UG/L)	S02125	04JAN1995	1357	REG	GRAB	26	E	E
Organics-Volatiles	Ethylbenzene (UG/L)	S03642	05APR1995	1259	REG	GRAB	37	R	E
Organics-Volatiles	Ethylbenzene (UG/L)	S04865	30AUG1995	1023	REG	GRAB	1.4		
Radionuclides	Gross Beta (PCI/L)	S02128	04JAN1995	1404	REG	GRAB	20.2		
Radionuclides	Gross Beta (PCI/L)	S03645	05APR1995	1314	REG	GRAB	9.8		
Metals	Iron (UG/L)	S01449	07DEC1994	1400	REG	GRAB	25100		

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----- Medium=Groundwater Station=850 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S02127	04JAN1995	1421	REG	GRAB	26227.16		
Metals	Iron (UG/L)	S03644	05APR1995	1310	REG	GRAB	30451.63		
Metals	Iron (UG/L)	S03652	05APR1995	1334	REG	FILTERED	29500		
Metals	Iron (UG/L)	S04867	30AUG1995	1028	REG	GRAB	29200		
Metals	Iron (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	27800		
Radionuclides	Lead-212 (PCI/L)	S03646	05APR1995	1316	REG	GRAB	18		
Radionuclides	Lead-214 (PCI/L)	S02129	04JAN1995	1406	REG	GRAB	26		
Radionuclides	Lead-214 (PCI/L)	S04869	30AUG1995	1032	REG	GRAB	26		
Metals	Magnesium (UG/L)	S01449	07DEC1994	1400	REG	GRAB	10300		
Metals	Magnesium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	11005.7		
Metals	Magnesium (UG/L)	S03644	05APR1995	1310	REG	GRAB	11902.46		
Metals	Magnesium (UG/L)	S03652	05APR1995	1334	REG	FILTERED	11800		
Metals	Magnesium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	11800		
Metals	Magnesium (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	11800		
Metals	Manganese (UG/L)	S01449	07DEC1994	1400	REG	GRAB	7850		
Metals	Manganese (UG/L)	S02127	04JAN1995	1421	REG	GRAB	9126.31		
Metals	Manganese (UG/L)	S03644	05APR1995	1310	REG	GRAB	10061.01		
Metals	Manganese (UG/L)	S03652	05APR1995	1334	REG	FILTERED	9800		
Metals	Manganese (UG/L)	S04867	30AUG1995	1028	REG	GRAB	8960		
Metals	Manganese (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	9390		
Inorganics	Nitrate (UG/L)	S01454	07DEC1994	1404	REG	GRAB	500	H	H
Inorganics	Nitrate (UG/L)	S02132	04JAN1995	1416	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S03649	05APR1995	1325	REG	FILTERED	500		
Inorganics	Nitrate (UG/L)	S04872	30AUG1995	1038	REG	GRAB	500		
Metals	Potassium (UG/L)	S01449	07DEC1994	1400	REG	GRAB	1790	B	B
Metals	Potassium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	1716.49	B	B
Metals	Potassium (UG/L)	S03644	05APR1995	1310	REG	GRAB	2666.82	B	B
Metals	Potassium (UG/L)	S03652	05APR1995	1334	REG	FILTERED	2410	B	B
Metals	Potassium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	2440	B	B
Metals	Potassium (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	2130	B	B
Metals	Selenium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	5		
Metals	Selenium (UG/L)	S03644	05APR1995	1310	REG	GRAB	6.25		
Metals	Silicon (UG/L)	S01449	07DEC1994	1400	REG	GRAB	5650		
Metals	Silicon (UG/L)	S02127	04JAN1995	1421	REG	GRAB	5022.08		
Metals	Silicon (UG/L)	S03644	05APR1995	1310	REG	GRAB	5248.93		
Metals	Silicon (UG/L)	S03652	05APR1995	1334	REG	FILTERED	5120		
Metals	Silicon (UG/L)	S04867	30AUG1995	1028	REG	GRAB	6330		
Metals	Silicon (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	5960		
Metals	Silver (UG/L)	S03644	05APR1995	1310	REG	GRAB	4.71	B	B
Metals	Silver (UG/L)	S03652	05APR1995	1334	REG	FILTERED	4	B	B
Metals	Sodium (UG/L)	S01449	07DEC1994	1400	REG	GRAB	3470	B	B
Metals	Sodium (UG/L)	S02127	04JAN1995	1421	REG	GRAB	3737.6	B	B
Metals	Sodium (UG/L)	S03644	05APR1995	1310	REG	GRAB	4070.44	B	B

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S03652	05APR1995	1334	REG	FILTERED	3920	B	B
Metals	Sodium (UG/L)	S04867	30AUG1995	1028	REG	GRAB	4080	B	B
Metals	Sodium (UG/L)	S05218	30AUG1995	1041	REG	FILTERED	4190	B	B
Organics-Volatiles	Tetrachloroethene (UG/L)	S03642	05APR1995	1259	REG	GRAB	0.2	J	J
Radionuclides	Thallium-208 (PCI/L)	S02129	04JAN1995	1406	REG	GRAB	8.3		
Organics-Volatiles	Toluene (UG/L)	S01445	07DEC1994	1327	REG	GRAB	24		
Organics-Volatiles	Toluene (UG/L)	S02125	04JAN1995	1357	REG	GRAB	39	E	E
Organics-Volatiles	Toluene (UG/L)	S04865	30AUG1995	1023	REG	GRAB	3.4		
Radionuclides	Tritium (PCI/L)	S01452	07DEC1994	1341	REG	GRAB	11050	J	
Radionuclides	Tritium (PCI/L)	S02130	04JAN1995	1410	REG	GRAB	10200		
Radionuclides	Tritium (PCI/L)	S03647	05APR1995	1319	REG	GRAB	11180	J	
Radionuclides	Tritium (PCI/L)	S04870	30AUG1995	1034	REG	GRAB	9050		
Metals	Zinc (UG/L)	S02127	04JAN1995	1421	REG	GRAB	4.56	B	B
Metals	Zinc (UG/L)	S03644	05APR1995	1310	REG	GRAB	17.48	B	B
Metals	Zinc (UG/L)	S04867	30AUG1995	1028	REG	GRAB	11.7	B	B

----- Medium=Groundwater Station=851 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02134	04JAN1995	943	REG	GRAB	1		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04874	28AUG1995	921	REG	GRAB	0.56	J	J
Metals	Acetone (UG/L)	S01274	07NOV1994	950	REG	GRAB	5.5		
Metals	Acetone (UG/L)	S04874	28AUG1995	921	REG	GRAB	1.2	J	J
Metals	Aluminum (UG/L)	S01278	07NOV1994	1025	REG	GRAB	87.08	B	B
Metals	Barium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	384.94	=	
Metals	Barium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	346		
Metals	Barium (UG/L)	S03655	27APR1995	951	REG	GRAB	416		
Metals	Barium (UG/L)	S03663	27APR1995	1010	REG	FILTERED	408		
Metals	Barium (UG/L)	S04877	28AUG1995	926	REG	GRAB	385.21		
Metals	Barium (UG/L)	S05219	28AUG1995	957	REG	FILTERED	369		
Organics-Volatiles	Benzene (UG/L)	S02134	04JAN1995	943	REG	GRAB	0.5	J	J
Organics-Volatiles	Benzene (UG/L)	S04874	28AUG1995	921	REG	GRAB	0.55	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02138	04JAN1995	950	REG	GRAB	17		
Radionuclides	Bismuth-214 (PCI/L)	S04881	28AUG1995	936	REG	GRAB	46		
Metals	Boron (UG/L)	S02136	04JAN1995	1005	REG	GRAB	29.1	B	B
Metals	Boron (UG/L)	S03663	27APR1995	1010	REG	FILTERED	40.5	B	B
Metals	Calcium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	129283.9	=	
Metals	Calcium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	138000		
Metals	Calcium (UG/L)	S03655	27APR1995	951	REG	GRAB	153000		
Metals	Calcium (UG/L)	S03663	27APR1995	1010	REG	FILTERED	159000		

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----- Medium=Groundwater Station=851 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S04877	28AUG1995	926	REG	GRAB	146833.37		
Metals	Calcium (UG/L)	S05219	28AUG1995	957	REG	FILTERED	145000		
Radionuclides	Cesium-137 (PCI/L)	S01280	07NOV1994	1007	REG	GRAB	2.46	=	
Organics-Volatiles	Chloromethane (UG/L)	S02134	04JAN1995	943	REG	GRAB	0.2	J	J
Organics-Volatiles	Chloromethane (UG/L)	S03653	27APR1995	946	REG	GRAB	0.56	J	J
Metals	Chromium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	5.85	J	B
Metals	Copper (UG/L)	S01278	07NOV1994	1025	REG	GRAB	3.61	J	B
Metals	Copper (UG/L)	S04877	28AUG1995	926	REG	GRAB	3.91	B	B
Radionuclides	Europium-154 (PCI/L)	S01280	07NOV1994	1007	REG	GRAB	3.76	=	
Metals	Iron (UG/L)	S01278	07NOV1994	1025	REG	GRAB	809.2	=	
Metals	Iron (UG/L)	S02136	04JAN1995	1005	REG	GRAB	829		
Metals	Iron (UG/L)	S03655	27APR1995	951	REG	GRAB	989		
Metals	Iron (UG/L)	S03663	27APR1995	1010	REG	FILTERED	975		
Metals	Iron (UG/L)	S04877	28AUG1995	926	REG	GRAB	996.08		
Metals	Iron (UG/L)	S05219	28AUG1995	957	REG	FILTERED	904		
Metals	Lead (UG/L)	S01278	07NOV1994	1025	REG	GRAB	5.336	W	W
Radionuclides	Lead-214 (PCI/L)	S03657	27APR1995	956	REG	GRAB	17		
Radionuclides	Lead-214 (PCI/L)	S04881	28AUG1995	936	REG	GRAB	31		
Metals	Magnesium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	17246.47	=	
Metals	Magnesium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	18200		
Metals	Magnesium (UG/L)	S03655	27APR1995	951	REG	GRAB	20500		
Metals	Magnesium (UG/L)	S03663	27APR1995	1010	REG	FILTERED	21700		
Metals	Magnesium (UG/L)	S04877	28AUG1995	926	REG	GRAB	19163.4		
Metals	Magnesium (UG/L)	S05219	28AUG1995	957	REG	FILTERED	19000		
Metals	Manganese (UG/L)	S01278	07NOV1994	1025	REG	GRAB	94.94	J	*
Metals	Manganese (UG/L)	S02136	04JAN1995	1005	REG	GRAB	91.9		
Metals	Manganese (UG/L)	S03655	27APR1995	951	REG	GRAB	103		
Metals	Manganese (UG/L)	S03663	27APR1995	1010	REG	FILTERED	104		
Metals	Manganese (UG/L)	S04877	28AUG1995	926	REG	GRAB	107.59		
Metals	Manganese (UG/L)	S05219	28AUG1995	957	REG	FILTERED	99		
Metals	Molybdenum (UG/L)	S01278	07NOV1994	1025	REG	GRAB	15.46	=	*
Inorganics	Nitrate (UG/L)	S02141	04JAN1995	959	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04171	27APR1995	1008	REG		500		
Inorganics	Nitrate (UG/L)	S04887	28AUG1995	949	REG	GRAB	500		
Metals	Potassium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	1762.78	B	B
Metals	Potassium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	1350	B	B
Metals	Potassium (UG/L)	S03655	27APR1995	951	REG	GRAB	2070	B	B
Metals	Potassium (UG/L)	S03663	27APR1995	1010	REG	FILTERED	1700	B	B
Metals	Potassium (UG/L)	S04877	28AUG1995	926	REG	GRAB	2018.52	B	B
Metals	Potassium (UG/L)	S05219	28AUG1995	957	REG	FILTERED	1880	B	B
Metals	Selenium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	4.3	B	B
Metals	Silicon (UG/L)	S01278	07NOV1994	1025	REG	GRAB	7810	=	
Metals	Silicon (UG/L)	S02136	04JAN1995	1005	REG	GRAB	11300		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S03655	27APR1995	951	REG	GRAB	10873.5		
Metals	Silicon (UG/L)	S03663	27APR1995	1010	REG	FILTERED	10900		
Metals	Sodium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	7047.42	=	
Metals	Sodium (UG/L)	S02136	04JAN1995	1005	REG	GRAB	7610		
Metals	Sodium (UG/L)	S03655	27APR1995	951	REG	GRAB	7890		
Metals	Sodium (UG/L)	S03663	27APR1995	1010	REG	FILTERED	8420		
Metals	Sodium (UG/L)	S04877	28AUG1995	926	REG	GRAB	7102.72		
Metals	Sodium (UG/L)	S05219	28AUG1995	957	REG	FILTERED	7270		
Radionuclides	Tritium (PCI/L)	S01281	07NOV1994	1014	REG	GRAB	46500	=	
Radionuclides	Tritium (PCI/L)	S02139	04JAN1995	952	REG	GRAB	41200		
Radionuclides	Tritium (PCI/L)	S03658	27APR1995	959	REG	GRAB	43200		
Radionuclides	Tritium (PCI/L)	S04883	28AUG1995	940	REG	GRAB	50100		
Metals	Vanadium (UG/L)	S01278	07NOV1994	1025	REG	GRAB	5.8	J	B
Organics-Volatiles	Vinyl chloride (UG/L)	S02134	04JAN1995	943	REG	GRAB	0.1	J	J
Metals	Zinc (UG/L)	S01278	07NOV1994	1025	REG	GRAB	6.45	J	B
Metals	Zinc (UG/L)	S02136	04JAN1995	1005	REG	GRAB	9	B	B
Metals	Zinc (UG/L)	S04877	28AUG1995	926	REG	GRAB	9.69	B	B
Metals	Zinc (UG/L)	S05219	28AUG1995	957	REG	FILTERED	11.6	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02134	04JAN1995	943	REG	GRAB	0.2	J	J

----- Medium=Groundwater Station=852 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S02145	05JAN1995	1004	REG	GRAB	39.09	B	B
Metals	Aluminum (UG/L)	S03666	27APR1995	1404	REG	GRAB	69.6	B	B
Metals	Barium (UG/L)	S01660	13DEC1994	1453	REG	GRAB	1520		
Metals	Barium (UG/L)	S02145	05JAN1995	1004	REG	GRAB	1615.24		
Metals	Barium (UG/L)	S03666	27APR1995	1404	REG	GRAB	1620		
Metals	Barium (UG/L)	S03674	27APR1995	1420	REG	FILTERED	1630		
Metals	Barium (UG/L)	S04893	31JUL1995	915	REG	GRAB	1523.86		
Metals	Barium (UG/L)	S05220	31JUL1995	917	REG	FILTERED	1560		
Organics-Volatiles	Benzene (UG/L)	S01656	13DEC1994	1428	REG	GRAB	16		
Organics-Volatiles	Benzene (UG/L)	S02143	05JAN1995	947	REG	GRAB	24		
Organics-Volatiles	Benzene (UG/L)	S03664	27APR1995	1400	REG	GRAB	16		
Organics-Volatiles	Benzene (UG/L)	S04891	31JUL1995	858	REG	GRAB	16		
Organics-Semivolatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S01658	13DEC1994	1442	REG	GRAB	0.9	J	J
Radionuclides	Bismuth-214 (PCI/L)	S02147	05JAN1995	954	REG	GRAB	52		
Radionuclides	Bismuth-214 (PCI/L)	S03668	27APR1995	1408	REG	GRAB	16		
Radionuclides	Bismuth-214 (PCI/L)	S04895	31JUL1995	906	REG	GRAB	15		
Metals	Boron (UG/L)	S02145	05JAN1995	1004	REG	GRAB	58.91	B	B

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Boron (UG/L)	S03674	27APR1995	1420	REG	FILTERED	37.5	B	B
Metals	Calcium (UG/L)	S01660	13DEC1994	1453	REG	GRAB	172000		
Metals	Calcium (UG/L)	S02145	05JAN1995	1004	REG	GRAB	179027.14		
Metals	Calcium (UG/L)	S03666	27APR1995	1404	REG	GRAB	181000		
Metals	Calcium (UG/L)	S03674	27APR1995	1420	REG	FILTERED	181000		
Metals	Calcium (UG/L)	S04893	31JUL1995	915	REG	GRAB	172422.71		
Metals	Calcium (UG/L)	S05220	31JUL1995	917	REG	FILTERED	174000		
Radionuclides	Cesium-134 (PCI/L)	S01662	13DEC1994	1436	REG	GRAB	3.6		
Organics-Semivolatiles	Di-n-butylphthalate (UG/L)	S01658	13DEC1994	1442	REG	GRAB	2	J	J
Organics-Volatiles	Dimethylbenzene (UG/L)	S02143	05JAN1995	947	REG	GRAB	0.85	J	J
Metals	Iron (UG/L)	S01660	13DEC1994	1453	REG	GRAB	1350		
Metals	Iron (UG/L)	S02145	05JAN1995	1004	REG	GRAB	1592.06		
Metals	Iron (UG/L)	S03666	27APR1995	1404	REG	GRAB	1420		
Metals	Iron (UG/L)	S03674	27APR1995	1420	REG	FILTERED	1420		
Metals	Iron (UG/L)	S04893	31JUL1995	915	REG	GRAB	1403.16		
Metals	Iron (UG/L)	S05220	31JUL1995	917	REG	FILTERED	1270		
Radionuclides	Lead-212 (PCI/L)	S02147	05JAN1995	954	REG	GRAB	21		
Radionuclides	Lead-214 (PCI/L)	S02147	05JAN1995	954	REG	GRAB	32		
Radionuclides	Lead-214 (PCI/L)	S03668	27APR1995	1408	REG	GRAB	20		
Radionuclides	Lead-214 (PCI/L)	S04895	31JUL1995	906	REG	GRAB	23		
Metals	Magnesium (UG/L)	S01660	13DEC1994	1453	REG	GRAB	18600		
Metals	Magnesium (UG/L)	S02145	05JAN1995	1004	REG	GRAB	19471.55		
Metals	Magnesium (UG/L)	S03666	27APR1995	1404	REG	GRAB	20100		
Metals	Magnesium (UG/L)	S03674	27APR1995	1420	REG	FILTERED	20300		
Metals	Magnesium (UG/L)	S04893	31JUL1995	915	REG	GRAB	19198.53		
Metals	Magnesium (UG/L)	S05220	31JUL1995	917	REG	FILTERED	19500		
Metals	Manganese (UG/L)	S01660	13DEC1994	1453	REG	GRAB	154		
Metals	Manganese (UG/L)	S02145	05JAN1995	1004	REG	GRAB	221.98		
Metals	Manganese (UG/L)	S03666	27APR1995	1404	REG	GRAB	151		
Metals	Manganese (UG/L)	S03674	27APR1995	1420	REG	FILTERED	152		
Metals	Manganese (UG/L)	S04893	31JUL1995	915	REG	GRAB	138.09		
Metals	Manganese (UG/L)	S05220	31JUL1995	917	REG	FILTERED	138		
Inorganics	Nitrate (UG/L)	S01665	13DEC1994	1447	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02150	05JAN1995	1000	REG	GRAB	500	H	H
Inorganics	Nitrate (UG/L)	S04180	27APR1995	1418	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04898	31JUL1995	912	REG	GRAB	500		
Organics-Semivolatiles	Phenol (UG/L)	S01658	13DEC1994	1442	REG	GRAB	4	J	J
Metals	Potassium (UG/L)	S01660	13DEC1994	1453	REG	GRAB	1490	B	B
Metals	Potassium (UG/L)	S02145	05JAN1995	1004	REG	GRAB	1888.94	B	B
Metals	Potassium (UG/L)	S03666	27APR1995	1404	REG	GRAB	1670	B	B
Metals	Potassium (UG/L)	S03674	27APR1995	1420	REG	FILTERED	1520	B	B
Metals	Potassium (UG/L)	S04893	31JUL1995	915	REG	GRAB	1546.14	B	B
Metals	Potassium (UG/L)	S05220	31JUL1995	917	REG	FILTERED	1640	B	B

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S01660	13DEC1994	1453	REG	GRAB	12500		
Metals	Silicon (UG/L)	S02145	05JAN1995	1004	REG	GRAB	12062.64		
Metals	Silicon (UG/L)	S03666	27APR1995	1404	REG	GRAB	11800		
Metals	Silicon (UG/L)	S03674	27APR1995	1420	REG	FILTERED	11700		
Metals	Silicon (UG/L)	S04893	31JUL1995	915	REG	GRAB	11828.66		
Metals	Silicon (UG/L)	S05220	31JUL1995	917	REG	FILTERED	11900		
Metals	Sodium (UG/L)	S01660	13DEC1994	1453	REG	GRAB	8960		
Metals	Sodium (UG/L)	S02145	05JAN1995	1004	REG	GRAB	9770.98		
Metals	Sodium (UG/L)	S03666	27APR1995	1404	REG	GRAB	9530		
Metals	Sodium (UG/L)	S03674	27APR1995	1420	REG	FILTERED	9650		
Metals	Sodium (UG/L)	S04893	31JUL1995	915	REG	GRAB	9051.54		
Metals	Sodium (UG/L)	S05220	31JUL1995	917	REG	FILTERED	9210		
Radionuclides	Strontium-90 (PCI/L)	S04897	31JUL1995	910	REG	GRAB	1.71		
Organics-Volatiles	Toluene (UG/L)	S01656	13DEC1994	1428	REG	GRAB	0.61	J	J
Organics-Volatiles	Toluene (UG/L)	S02143	05JAN1995	947	REG	GRAB	0.56	J	J
Radionuclides	Tritium (PCI/L)	S01663	13DEC1994	1438	REG	GRAB	38400		
Radionuclides	Tritium (PCI/L)	S02148	05JAN1995	956	REG	GRAB	38800	J	
Radionuclides	Tritium (PCI/L)	S03669	27APR1995	1410	REG	GRAB	37600	J	
Radionuclides	Tritium (PCI/L)	S04896	31JUL1995	908	REG	GRAB	37400	J	
Metals	Zinc (UG/L)	S04893	31JUL1995	915	REG	GRAB	16.5	B	B
Metals	Zinc (UG/L)	S05220	31JUL1995	917	REG	FILTERED	9	B	B

----- Medium=Groundwater Station=854 ML_DESC=Diamond - Water quality sampling well other than WAG perimeter well (C) -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S01287	07NOV1994	1342	REG	GRAB	0.6	J	J
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04900	29AUG1995	1338	REG	GRAB	1.1		
Metals	Acetone (UG/L)	S01287	07NOV1994	1342	REG	GRAB	31		
Metals	Aluminum (UG/L)	S01291	07NOV1994	1413	REG	GRAB	390	=	
Metals	Aluminum (UG/L)	S02202	05JAN1995	1416	REG	GRAB	49.8	B	B
Metals	Aluminum (UG/L)	S04902	29AUG1995	1342	REG	GRAB	35.9	J	
Metals	Antimony (UG/L)	S01291	07NOV1994	1413	REG	GRAB	9.2	=	
Metals	Antimony (UG/L)	S03716	28APR1995	946	REG	GRAB	1.59	B	B
Metals	Antimony (UG/L)	S04902	29AUG1995	1342	REG	GRAB	1		
Metals	Arsenic (UG/L)	S02202	05JAN1995	1416	REG	GRAB	4	B	B
Metals	Arsenic (UG/L)	S04902	29AUG1995	1342	REG	GRAB	2		
Metals	Barium (UG/L)	S01291	07NOV1994	1413	REG	GRAB	241	=	
Metals	Barium (UG/L)	S02202	05JAN1995	1416	REG	GRAB	246		
Metals	Barium (UG/L)	S03716	28APR1995	946	REG	GRAB	174.37	B	B
Metals	Barium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	170	B	B

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Barium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	238	B	
Metals	Barium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	256	B	
Radionuclides	Bismuth-214 (PCI/L)	S02204	05JAN1995	1357	REG	GRAB	20		
Radionuclides	Bismuth-214 (PCI/L)	S03718	28APR1995	950	REG	GRAB	25		
Radionuclides	Bismuth-214 (PCI/L)	S04904	29AUG1995	1346	REG	GRAB	19		
Metals	Boron (UG/L)	S02202	05JAN1995	1416	REG	GRAB	61.5	B	B
Metals	Calcium (UG/L)	S01291	07NOV1994	1413	REG	GRAB	84300	=	
Metals	Calcium (UG/L)	S02202	05JAN1995	1416	REG	GRAB	82700		
Metals	Calcium (UG/L)	S03716	28APR1995	946	REG	GRAB	65223.08		
Metals	Calcium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	62100		
Metals	Calcium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	79400	=	
Metals	Calcium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	93000	=	
Radionuclides	Cesium-137 (PCI/L)	S01293	07NOV1994	1359	REG	GRAB	2.51	=	
Organics-Volatiles	Chloromethane (UG/L)	S03714	28APR1995	941	REG	GRAB	1.5		
Metals	Chromium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	3.6	B	B
Metals	Cobalt (UG/L)	S04902	29AUG1995	1342	REG	GRAB	6		
Metals	Cobalt (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	6.9		
Metals	Copper (UG/L)	S04902	29AUG1995	1342	REG	GRAB	3		
Metals	Copper (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	3		
Radionuclides	Europium-154 (PCI/L)	S01293	07NOV1994	1359	REG	GRAB	3.75	=	
Radionuclides	Gross Beta (PCI/L)	S02203	05JAN1995	1355	REG	GRAB	4		
Metals	Iron (UG/L)	S01291	07NOV1994	1413	REG	GRAB	215	=	
Metals	Iron (UG/L)	S02202	05JAN1995	1416	REG	GRAB	23.6	B	B
Metals	Iron (UG/L)	S04902	29AUG1995	1342	REG	GRAB	98.2		
Metals	Lead (UG/L)	S01291	07NOV1994	1413	REG	GRAB	3.3	W	W
Metals	Lead (UG/L)	S04902	29AUG1995	1342	REG	GRAB	1		
Radionuclides	Lead-214 (PCI/L)	S02204	05JAN1995	1357	REG	GRAB	31		
Radionuclides	Lead-214 (PCI/L)	S03718	28APR1995	950	REG	GRAB	25		
Radionuclides	Lead-214 (PCI/L)	S04904	29AUG1995	1346	REG	GRAB	15		
Metals	Magnesium (UG/L)	S01291	07NOV1994	1413	REG	GRAB	13200	=	
Metals	Magnesium (UG/L)	S02202	05JAN1995	1416	REG	GRAB	12600		
Metals	Magnesium (UG/L)	S03716	28APR1995	946	REG	GRAB	12704.4		
Metals	Magnesium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	12600		
Metals	Magnesium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	12500		
Metals	Magnesium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	13200		
Metals	Manganese (UG/L)	S02202	05JAN1995	1416	REG	GRAB	22.9		
Metals	Manganese (UG/L)	S03716	28APR1995	946	REG	GRAB	6.61	B	B
Metals	Manganese (UG/L)	S03724	28APR1995	1001	REG	FILTERED	6	B	B
Metals	Manganese (UG/L)	S04902	29AUG1995	1342	REG	GRAB	29.6		
Metals	Manganese (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	29		
Metals	Mercury (UG/L)	S01291	07NOV1994	1413	REG	GRAB	0.38	=	*
Metals	Mercury (UG/L)	S04902	29AUG1995	1342	REG	GRAB	0.2		
Metals	Molybdenum (UG/L)	S04902	29AUG1995	1342	REG	GRAB	14		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Molybdenum (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	14		
Inorganics	Nitrate (UG/L)	S02207	05JAN1995	1407	REG	GRAB	500	H	H
Inorganics	Nitrate (UG/L)	S04181	28APR1995	955	REG		1000		
Inorganics	Nitrate (UG/L)	S04907	29AUG1995	1352	REG	GRAB	500		
Metals	Potassium (UG/L)	S01291	07NOV1994	1413	REG	GRAB	2110	J	B
Metals	Potassium (UG/L)	S02202	05JAN1995	1416	REG	GRAB	1890	B	B
Metals	Potassium (UG/L)	S03716	28APR1995	946	REG	GRAB	1850.85	B	B
Metals	Potassium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	2290	B	B
Metals	Potassium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	1750		
Metals	Potassium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	1900		
Radionuclides	Potassium-40 (PCI/L)	S02204	05JAN1995	1357	REG	GRAB	86		
Metals	Selenium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	3		
Metals	Silicon (UG/L)	S01291	07NOV1994	1413	REG	GRAB	6149.14	=	
Metals	Silicon (UG/L)	S02202	05JAN1995	1416	REG	GRAB	6360		
Metals	Silicon (UG/L)	S03716	28APR1995	946	REG	GRAB	4480		
Metals	Silicon (UG/L)	S03724	28APR1995	1001	REG	FILTERED	4190		
Metals	Silicon (UG/L)	S04902	29AUG1995	1342	REG	GRAB	6130		
Metals	Silicon (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	6610		
Metals	Sodium (UG/L)	S01291	07NOV1994	1413	REG	GRAB	6790	=	
Metals	Sodium (UG/L)	S02202	05JAN1995	1416	REG	GRAB	6650		
Metals	Sodium (UG/L)	S03716	28APR1995	946	REG	GRAB	7429.94		
Metals	Sodium (UG/L)	S03724	28APR1995	1001	REG	FILTERED	7420		
Metals	Sodium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	6940		
Metals	Sodium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	6740		
Radionuclides	Strontium-90 (PCI/L)	S01295	07NOV1994	1403	REG	GRAB	3.28	J	
Radionuclides	Strontium-90 (PCI/L)	S02206	05JAN1995	1404	REG	GRAB	0.89		
Radionuclides	Strontium-90 (PCI/L)	S03720	28APR1995	954	REG	GRAB	4.58	J	
Metals	Thallium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	1		
Radionuclides	Tritium (PCI/L)	S01294	07NOV1994	1402	REG	GRAB	275000	=	
Radionuclides	Tritium (PCI/L)	S02205	05JAN1995	1401	REG	GRAB	232500	J	
Radionuclides	Tritium (PCI/L)	S03719	28APR1995	952	REG	GRAB	198400	J	
Radionuclides	Tritium (PCI/L)	S04905	29AUG1995	1348	REG	GRAB	263000		
Metals	Vanadium (UG/L)	S04902	29AUG1995	1342	REG	GRAB	4		
Metals	Vanadium (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	4		
Metals	Zinc (UG/L)	S02202	05JAN1995	1416	REG	GRAB	13.5	B	B
Metals	Zinc (UG/L)	S03724	28APR1995	1001	REG	FILTERED	27.2	J	
Metals	Zinc (UG/L)	S04902	29AUG1995	1342	REG	GRAB	8		
Metals	Zinc (UG/L)	S05221	29AUG1995	1355	REG	FILTERED	9.7		

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----- Medium=Groundwater Station=855 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02745	23FEB1995	912	REG	GRAB	4	JB	JB
Metals	Barium (UG/L)	S01067	27OCT1994	951	REG	GRAB	57	B	B
Metals	Barium (UG/L)	S02753	23FEB1995	934	REG	GRAB	72		
Metals	Barium (UG/L)	S03083	23FEB1995	951	REG	FILTERED	69		
Metals	Barium (UG/L)	S03873	25APR1995	1302	REG	FILTERED	73.9	B	B
Metals	Barium (UG/L)	S04911	26JUL1995	932	REG	GRAB	66		
Metals	Barium (UG/L)	S05222	26JUL1995	946	REG	FILTERED	67		
Metals	Calcium (UG/L)	S01067	27OCT1994	951	REG	GRAB	32900	=	
Metals	Calcium (UG/L)	S02753	23FEB1995	934	REG	GRAB	33000		
Metals	Calcium (UG/L)	S03083	23FEB1995	951	REG	FILTERED	33000		
Metals	Calcium (UG/L)	S03873	25APR1995	1302	REG	FILTERED	36000		
Metals	Calcium (UG/L)	S04911	26JUL1995	932	REG	GRAB	31000		
Metals	Calcium (UG/L)	S05222	26JUL1995	946	REG	FILTERED	32000		
Radionuclides	Cesium-137 (PCI/L)	S01069	27OCT1994	931	REG	GRAB	2.33	=	
Metals	Chromium (UG/L)	S01067	27OCT1994	951	REG	GRAB	3.8	B	B
Metals	Copper (UG/L)	S01067	27OCT1994	951	REG	GRAB	5.4	B	B
Radionuclides	Europium-154 (PCI/L)	S01069	27OCT1994	931	REG	GRAB	3.48	=	
Radionuclides	Gross Alpha (PCI/L)	S01068	27OCT1994	926	REG	GRAB	2.04	J	
Metals	Iron (UG/L)	S01067	27OCT1994	951	REG	GRAB	324	J	
Metals	Iron (UG/L)	S03873	25APR1995	1302	REG	FILTERED	18.1	B	B
Metals	Magnesium (UG/L)	S01067	27OCT1994	951	REG	GRAB	1930	B	B
Metals	Magnesium (UG/L)	S02753	23FEB1995	934	REG	GRAB	2400		
Metals	Magnesium (UG/L)	S03083	23FEB1995	951	REG	FILTERED	2300		
Metals	Magnesium (UG/L)	S03873	25APR1995	1302	REG	FILTERED	2440	B	B
Metals	Magnesium (UG/L)	S04911	26JUL1995	932	REG	GRAB	2000		
Metals	Magnesium (UG/L)	S05222	26JUL1995	946	REG	FILTERED	2000		
Metals	Manganese (UG/L)	S01067	27OCT1994	951	REG	GRAB	9.6	B	B
Metals	Mercury (UG/L)	S01067	27OCT1994	951	REG	GRAB	0.3	J	*
Inorganics	Nitrate (UG/L)	S01072	27OCT1994	945	REG	GRAB	50	=	
Inorganics	Nitrate (UG/L)	S04054	25APR1995	1251	REG		500		
Inorganics	Nitrate (UG/L)	S04916	26JUL1995	942	REG	GRAB	410		
Metals	Potassium (UG/L)	S01067	27OCT1994	951	REG	GRAB	674	B	B
Metals	Potassium (UG/L)	S03873	25APR1995	1302	REG	FILTERED	875	B	B
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S03082	23FEB1995	948	REG	FILTERED	2.9733		
Metals	Silicon (UG/L)	S01067	27OCT1994	951	REG	GRAB	8020	J	
Metals	Silicon (UG/L)	S02753	23FEB1995	934	REG	GRAB	7100		
Metals	Silicon (UG/L)	S03083	23FEB1995	951	REG	FILTERED	7000		
Metals	Silicon (UG/L)	S03873	25APR1995	1302	REG	FILTERED	7140		
Metals	Silicon (UG/L)	S04911	26JUL1995	932	REG	GRAB	7000		
Metals	Silicon (UG/L)	S05222	26JUL1995	946	REG	FILTERED	7000		
Metals	Sodium (UG/L)	S02753	23FEB1995	934	REG	GRAB	2200		
Metals	Sodium (UG/L)	S03083	23FEB1995	951	REG	FILTERED	2200		
Metals	Sodium (UG/L)	S03873	25APR1995	1302	REG	FILTERED	2250	B	B
Metals	Sodium (UG/L)	S04911	26JUL1995	932	REG	GRAB	2000		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S05222	26JUL1995	946	REG	FILTERED	2100		
Radionuclides	Tritium (PCI/L)	S01070	27OCT1994	938	REG	GRAB	824	=	
Radionuclides	Tritium (PCI/L)	S02749	23FEB1995	923	REG	GRAB	1567.74		
Radionuclides	Tritium (PCI/L)	S04914	26JUL1995	938	REG	GRAB	837.93		
Metals	Zinc (UG/L)	S03083	23FEB1995	951	REG	FILTERED	5		
Metals	Zinc (UG/L)	S03873	25APR1995	1302	REG	FILTERED	15.3	B	B

----- Medium=Groundwater Station=856 ML_DESC=Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02754	23FEB1995	1241	REG	GRAB	3	JB	JB
Metals	Barium (UG/L)	S02762	23FEB1995	1308	REG	GRAB	140		
Metals	Barium (UG/L)	S03042	23FEB1995	1306	REG	FILTERED	140		
Metals	Barium (UG/L)	S03877	26APR1995	1416	REG	FILTERED	143	B	B
Metals	Barium (UG/L)	S04920	26JUL1995	1009	REG	GRAB	130		
Metals	Barium (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	130		
Metals	Boron (UG/L)	S03877	26APR1995	1416	REG	FILTERED	26.2	B	B
Metals	Calcium (UG/L)	S02762	23FEB1995	1308	REG	GRAB	32000		
Metals	Calcium (UG/L)	S03042	23FEB1995	1306	REG	FILTERED	32000		
Metals	Calcium (UG/L)	S03877	26APR1995	1416	REG	FILTERED	34800		
Metals	Calcium (UG/L)	S04920	26JUL1995	1009	REG	GRAB	31000		
Metals	Calcium (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	31000		
Radionuclides	Cesium-137 (PCI/L)	S01163	26OCT1994	1343	REG	GRAB	2.47	=	
Metals	Copper (UG/L)	S03877	26APR1995	1416	REG	FILTERED	2.9	B	B
Radionuclides	Europium-154 (PCI/L)	S01163	26OCT1994	1343	REG	GRAB	3.21	=	
Radionuclides	Gross Alpha (PCI/L)	S01162	26OCT1994	1339	REG	GRAB	1.91	=	
Metals	Magnesium (UG/L)	S02762	23FEB1995	1308	REG	GRAB	6700		
Metals	Magnesium (UG/L)	S03042	23FEB1995	1306	REG	FILTERED	6600		
Metals	Magnesium (UG/L)	S03877	26APR1995	1416	REG	FILTERED	7000		
Metals	Magnesium (UG/L)	S04920	26JUL1995	1009	REG	GRAB	6200		
Metals	Magnesium (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	6200		
Metals	Manganese (UG/L)	S04920	26JUL1995	1009	REG	GRAB	1.3		
Metals	Manganese (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	1.4		
Inorganics	Nitrate (UG/L)	S04022	26APR1995	1413	REG		500		
Metals	Potassium (UG/L)	S03877	26APR1995	1416	REG	FILTERED	774	B	B
Metals	Silicon (UG/L)	S02762	23FEB1995	1308	REG	GRAB	7300		
Metals	Silicon (UG/L)	S03042	23FEB1995	1306	REG	FILTERED	7200		
Metals	Silicon (UG/L)	S03877	26APR1995	1416	REG	FILTERED	7410		
Metals	Silicon (UG/L)	S04920	26JUL1995	1009	REG	GRAB	7300		
Metals	Silicon (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	7300		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Sodium (UG/L)	S02762	23FEB1995	1308	REG	GRAB	3400		
Metals	Sodium (UG/L)	S03042	23FEB1995	1306	REG	FILTERED	3300		
Metals	Sodium (UG/L)	S03877	26APR1995	1416	REG	FILTERED	3410	B	B
Metals	Sodium (UG/L)	S04920	26JUL1995	1009	REG	GRAB	3300		
Metals	Sodium (UG/L)	S05223	26JUL1995	1025	REG	FILTERED	3300		
Radionuclides	Strontium-90 (PCI/L)	S01165	26OCT1994	1354	REG	GRAB	5.76	J	
Radionuclides	Tritium (PCI/L)	S01164	26OCT1994	1353	REG	GRAB	197	=	
Metals	Zinc (UG/L)	S03877	26APR1995	1416	REG	FILTERED	10.4	B	B

----- Medium=Groundwater Station=857 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02769	06MAR1995	1253	REG	GRAB	2	JB	JB
Metals	Aluminum (UG/L)	S01226	01NOV1994	1347	REG	GRAB	4510	N	N
Metals	Aluminum (UG/L)	S02771	06MAR1995	1311	REG	GRAB	440		
Metals	Aluminum (UG/L)	S03881	18APR1995	905	REG	FILTERED	75.2	B	B
Metals	Aluminum (UG/L)	S04929	03AUG1995	936	REG	GRAB	540		
Metals	Arsenic (UG/L)	S01226	01NOV1994	1347	REG	GRAB	10.8	N	N
Metals	Barium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	21.1	N	N
Metals	Barium (UG/L)	S02771	06MAR1995	1311	REG	GRAB	17		
Metals	Barium (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	15		
Metals	Barium (UG/L)	S03881	18APR1995	905	REG	FILTERED	14.6	B	B
Metals	Barium (UG/L)	S04929	03AUG1995	936	REG	GRAB	17		
Metals	Barium (UG/L)	S05224	03AUG1995	942	REG	FILTERED	14		
Metals	Boron (UG/L)	S03881	18APR1995	905	REG	FILTERED	52.4	B	B
Metals	Calcium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	443	J	B
Metals	Calcium (UG/L)	S02771	06MAR1995	1311	REG	GRAB	460		
Metals	Calcium (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	430		
Metals	Calcium (UG/L)	S03881	18APR1995	905	REG	FILTERED	376	B	B
Metals	Calcium (UG/L)	S04929	03AUG1995	936	REG	GRAB	420		
Metals	Calcium (UG/L)	S05224	03AUG1995	942	REG	FILTERED	370		
Radionuclides	Cesium-137 (PCI/L)	S01228	01NOV1994	1329	REG	GRAB	3.64	=	
Metals	Chromium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	11.9	=	
Metals	Chromium (UG/L)	S02771	06MAR1995	1311	REG	GRAB	5.5		
Metals	Chromium (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	4.7		
Metals	Chromium (UG/L)	S03881	18APR1995	905	REG	FILTERED	5.4	B	B
Metals	Chromium (UG/L)	S04929	03AUG1995	936	REG	GRAB	5.5		
Radionuclides	Cobalt-60 (PCI/L)	S03145	06MAR1995	1325	REG	FILTERED	4.0545		
Metals	Iron (UG/L)	S01226	01NOV1994	1347	REG	GRAB	2380	N	N
Metals	Iron (UG/L)	S02771	06MAR1995	1311	REG	GRAB	340		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S03881	18APR1995	905	REG	FILTERED	87.5	B	B
Metals	Iron (UG/L)	S04929	03AUG1995	936	REG	GRAB	380		
Metals	Iron (UG/L)	S05224	03AUG1995	942	REG	FILTERED	110		
Metals	Lead (UG/L)	S01226	01NOV1994	1347	REG	GRAB	21.4	N	N
Metals	Magnesium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	1370	B	B
Metals	Magnesium (UG/L)	S02771	06MAR1995	1311	REG	GRAB	1000		
Metals	Magnesium (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	950		
Metals	Magnesium (UG/L)	S03881	18APR1995	905	REG	FILTERED	1040	B	B
Metals	Magnesium (UG/L)	S04929	03AUG1995	936	REG	GRAB	1100		
Metals	Magnesium (UG/L)	S05224	03AUG1995	942	REG	FILTERED	970		
Metals	Manganese (UG/L)	S01226	01NOV1994	1347	REG	GRAB	104	J	
Metals	Manganese (UG/L)	S02771	06MAR1995	1311	REG	GRAB	19		
Metals	Manganese (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	4.6		
Metals	Manganese (UG/L)	S03881	18APR1995	905	REG	FILTERED	5.9	B	B
Metals	Manganese (UG/L)	S04929	03AUG1995	936	REG	GRAB	22		
Metals	Manganese (UG/L)	S05224	03AUG1995	942	REG	FILTERED	5.8		
Metals	Nickel (UG/L)	S01226	01NOV1994	1347	REG	GRAB	7.6	J	B
Inorganics	Nitrate (UG/L)	S04000	18APR1995	857	REG		500		
Inorganics	Nitrate (UG/L)	S04934	03AUG1995	939	REG	GRAB	115		
Metals	Potassium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	1440	B	B
Metals	Silicon (UG/L)	S01226	01NOV1994	1347	REG	GRAB	13500	A	
Metals	Silicon (UG/L)	S02771	06MAR1995	1311	REG	GRAB	5100		
Metals	Silicon (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	4600		
Metals	Silicon (UG/L)	S03881	18APR1995	905	REG	FILTERED	4590		
Metals	Silicon (UG/L)	S04929	03AUG1995	936	REG	GRAB	5000		
Metals	Silicon (UG/L)	S05224	03AUG1995	942	REG	FILTERED	4300		
Metals	Silver (UG/L)	S01226	01NOV1994	1347	REG	GRAB	5.4	N	N
Metals	Sodium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	829	J	E
Metals	Sodium (UG/L)	S02771	06MAR1995	1311	REG	GRAB	810		
Metals	Sodium (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	850		
Metals	Sodium (UG/L)	S03881	18APR1995	905	REG	FILTERED	904	B	B
Metals	Sodium (UG/L)	S04929	03AUG1995	936	REG	GRAB	710		
Metals	Sodium (UG/L)	S05224	03AUG1995	942	REG	FILTERED	730		
Radionuclides	Strontium-90 (PCI/L)	S01230	01NOV1994	1335	REG	GRAB	5.52	J	
Metals	Thallium (UG/L)	S01226	01NOV1994	1347	REG	GRAB	12.3		*
Radionuclides	Tritium (PCI/L)	S01229	01NOV1994	1332	REG	GRAB	720		
Radionuclides	Tritium (PCI/L)	S02766	06MAR1995	1303	REG	GRAB	810.9		
Radionuclides	Tritium (PCI/L)	S04932	03AUG1995	928	REG	GRAB	1000.11		
Metals	Zinc (UG/L)	S02771	06MAR1995	1311	REG	GRAB	8.2		
Metals	Zinc (UG/L)	S03147	06MAR1995	1331	REG	FILTERED	16		
Metals	Zinc (UG/L)	S03881	18APR1995	905	REG	FILTERED	27.3		
Metals	Zinc (UG/L)	S04929	03AUG1995	936	REG	GRAB	8.7		
Metals	Zinc (UG/L)	S05224	03AUG1995	942	REG	FILTERED	14		

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----- Medium=Groundwater Station=858 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S02772	06MAR1995	1346	REG	GRAB	2	JB	JB
Metals	Aluminum (UG/L)	S01148	01NOV1994	1300	REG	GRAB	637.87	N	N
Metals	Aluminum (UG/L)	S02780	06MAR1995	1402	REG	GRAB	1000		
Metals	Aluminum (UG/L)	S04938	03AUG1995	1349	REG	GRAB	1300		
Metals	Antimony (UG/L)	S01148	01NOV1994	1300	REG	GRAB	10	W	W
Metals	Arsenic (UG/L)	S01148	01NOV1994	1300	REG	GRAB	14.73	N	N
Metals	Barium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	119.13	N	N
Metals	Barium (UG/L)	S02780	06MAR1995	1402	REG	GRAB	140		
Metals	Barium (UG/L)	S03155	06MAR1995	1410	REG	FILTERED	130		
Metals	Barium (UG/L)	S03885	18APR1995	928	REG	FILTERED	120	B	B
Metals	Barium (UG/L)	S04938	03AUG1995	1349	REG	GRAB	130		
Metals	Barium (UG/L)	S05225	03AUG1995	1352	REG	FILTERED	120		
Metals	Beryllium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	6.79	N	N
Metals	Boron (UG/L)	S03885	18APR1995	928	REG	FILTERED	29.7	B	B
Metals	Cadmium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	6.96	J	*
Metals	Calcium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	33579.29	J	
Metals	Calcium (UG/L)	S02780	06MAR1995	1402	REG	GRAB	32000		
Metals	Calcium (UG/L)	S03155	06MAR1995	1410	REG	FILTERED	32000		
Metals	Calcium (UG/L)	S03885	18APR1995	928	REG	FILTERED	31600		
Metals	Calcium (UG/L)	S04938	03AUG1995	1349	REG	GRAB	29000		
Metals	Calcium (UG/L)	S05225	03AUG1995	1352	REG	FILTERED	28000		
Organics-Volatiles	Carbon disulfide (UG/L)	S04936	03AUG1995	1333	REG	GRAB	2	J	J
Radionuclides	Cesium-137 (PCI/L)	S01150	01NOV1994	1238	REG	GRAB	3.59	=	
Metals	Chromium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	10.94	J	
Metals	Chromium (UG/L)	S03885	18APR1995	928	REG	FILTERED	4.6	B	B
Metals	Cobalt (UG/L)	S01148	01NOV1994	1300	REG	GRAB	6.23	J	B
Radionuclides	Gross Alpha (PCI/L)	S01149	01NOV1994	1233	REG	GRAB	2.51	J	
Metals	Iron (UG/L)	S01148	01NOV1994	1300	REG	GRAB	358.55	N	N
Metals	Iron (UG/L)	S02780	06MAR1995	1402	REG	GRAB	980		
Metals	Iron (UG/L)	S03885	18APR1995	928	REG	FILTERED	16.3	B	B
Metals	Iron (UG/L)	S04938	03AUG1995	1349	REG	GRAB	1100		
Metals	Magnesium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	6635.56	=	
Metals	Magnesium (UG/L)	S02780	06MAR1995	1402	REG	GRAB	7500		
Metals	Magnesium (UG/L)	S03155	06MAR1995	1410	REG	FILTERED	7400		
Metals	Magnesium (UG/L)	S03885	18APR1995	928	REG	FILTERED	7380		
Metals	Magnesium (UG/L)	S04938	03AUG1995	1349	REG	GRAB	7000		
Metals	Magnesium (UG/L)	S05225	03AUG1995	1352	REG	FILTERED	6600		
Metals	Manganese (UG/L)	S01148	01NOV1994	1300	REG	GRAB	20.01	J	
Metals	Manganese (UG/L)	S02780	06MAR1995	1402	REG	GRAB	45		
Metals	Manganese (UG/L)	S04938	03AUG1995	1349	REG	GRAB	48		
Inorganics	Nitrate (UG/L)	S04001	18APR1995	920	REG		500		
Inorganics	Nitrate (UG/L)	S04943	03AUG1995	1346	REG	GRAB	337		
Metals	Potassium (UG/L)	S01148	01NOV1994	1300	REG	GRAB	1163.37	B	B
Metals	Potassium (UG/L)	S03885	18APR1995	928	REG	FILTERED	1190	B	B

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Class of Compound	Analyte (units)	Sample Id	Sample Sample	Date	Time	Process	Lab Validation
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S02777	06MAR1995	1356	REG	GRAB	2.29755
Metals	Selenium (ug/L)	S01148	01NOV1994	1300	REG	GRAB	15.73
Metals	Silicon (ug/L)	S01148	01NOV1994	1300	REG	GRAB	9589.1
Metals	Silicon (ug/L)	S02780	06MAR1995	1402	REG	GRAB	8300
Metals	Silicon (ug/L)	S03155	06MAR1995	1410	REG	FILTERED	7000
Metals	Silicon (ug/L)	S03885	18APR1995	928	REG	FILTERED	6960
Metals	Silicon (ug/L)	S04938	03AUG1995	1349	REG	GRAB	8600
Metals	Silicon (ug/L)	S05225	03AUG1995	1352	REG	FILTERED	6600
Metals	Silver (ug/L)	S01148	01NOV1994	1300	REG	GRAB	8
Metals	Sodium (ug/L)	S01148	01NOV1994	1300	REG	GRAB	4519.74
Metals	Sodium (ug/L)	S02780	06MAR1995	1402	REG	GRAB	4600
Metals	Sodium (ug/L)	S03155	06MAR1995	1410	REG	FILTERED	4500
Metals	Sodium (ug/L)	S03885	18APR1995	928	REG	FILTERED	4810
Metals	Sodium (ug/L)	S04938	03AUG1995	1349	REG	GRAB	4300
Metals	Sodium (ug/L)	S05225	03AUG1995	1352	REG	FILTERED	4200
Metals	Thallium (ug/L)	S01148	01NOV1994	1300	REG	GRAB	13.766
Radionuclides	Tritium (PCI/L)	S01151	01NOV1994	1243	REG	GRAB	191
Metals	Zinc (ug/L)	S02780	06MAR1995	1402	REG	GRAB	10
Metals	Zinc (ug/L)	S03155	06MAR1995	1410	REG	FILTERED	5.4
Metals	Zinc (ug/L)	S03885	18APR1995	928	REG	FILTERED	9.9
Metals	Zinc (ug/L)	S04938	03AUG1995	1349	REG	GRAB	14
Metals	Zinc (ug/L)	S05225	03AUG1995	1352	REG	FILTERED	11

----- Medium=Groundwater Station=859 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----							
Class of Compound	Analyte (units)	Sample Id	Sample Sample	Date	Time	Process	Lab Validation
Organics-Volatiles	2-Butanone (ug/L)	S02781	01MAR1995	1352	REG	GRAB	2
Metals	Aluminum (ug/L)	S02789	01MAR1995	1412	REG	GRAB	56
Metals	Barium (ug/L)	S02789	01MAR1995	1412	REG	GRAB	130
Metals	Barium (ug/L)	S03305	01MAR1995	1422	REG	FILTERED	130
Metals	Barium (ug/L)	S03889	22MAY1995	1307	REG	FILTERED	130
Metals	Calcium (ug/L)	S02789	01MAR1995	1412	REG	GRAB	1200
Metals	Calcium (ug/L)	S03305	01MAR1995	1422	REG	FILTERED	1200
Metals	Calcium (ug/L)	S03889	22MAY1995	1307	REG	FILTERED	1060
Metals	Iron (ug/L)	S03889	22MAY1995	1307	REG	FILTERED	101
Metals	Magnesium (ug/L)	S02789	01MAR1995	1412	REG	GRAB	1500
Metals	Magnesium (ug/L)	S03305	01MAR1995	1422	REG	FILTERED	1500
Metals	Magnesium (ug/L)	S03889	22MAY1995	1307	REG	FILTERED	1510
Metals	Manganese (ug/L)	S02789	01MAR1995	1412	REG	GRAB	11
Metals	Manganese (ug/L)	S03305	01MAR1995	1422	REG	FILTERED	11

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----- Medium=Groundwater Station=859 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S03889	22MAY1995	1307	REG	FILTERED	12.4	B	B
Inorganics	Nitrate (UG/L)	S02787	01MAR1995	1408	REG	GRAB	5510		
Inorganics	Nitrate (UG/L)	S04480	22MAY1995	1250	REG		1100		
Metals	Silicon (UG/L)	S02789	01MAR1995	1412	REG	GRAB	4700		
Metals	Silicon (UG/L)	S03305	01MAR1995	1422	REG	FILTERED	4600		
Metals	Silicon (UG/L)	S03889	22MAY1995	1307	REG	FILTERED	4900		
Metals	Sodium (UG/L)	S02789	01MAR1995	1412	REG	GRAB	1700		
Metals	Sodium (UG/L)	S03305	01MAR1995	1422	REG	FILTERED	1500		
Metals	Sodium (UG/L)	S03889	22MAY1995	1307	REG	FILTERED	1650	B	B
Radionuclides	Tritium (PCI/L)	S02785	01MAR1995	1403	REG	GRAB	4865.4		
Radionuclides	Tritium (PCI/L)	S04950	27JUL1995	957	REG	GRAB	3784.2		
Metals	Zinc (UG/L)	S02789	01MAR1995	1412	REG	GRAB	12		
Metals	Zinc (UG/L)	S03305	01MAR1995	1422	REG	FILTERED	12		

----- Medium=Groundwater Station=860 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	2-Butanone (UG/L)	S01249	15NOV1994	1230	REG	GRAB	2.9	JB	JB
Organics-Volatiles	2-Butanone (UG/L)	S02866	03MAR1995	857	REG	GRAB	2	JB	JB
Radionuclides	Alpha activity (PCI/L)	S02875	03MAR1995	922	REG	GRAB	1.40556		
Metals	Barium (UG/L)	S01253	15NOV1994	1303	REG	GRAB	200		
Metals	Barium (UG/L)	S02871	03MAR1995	919	REG	GRAB	170		
Metals	Barium (UG/L)	S03313	03MAR1995	1013	REG		150		
Metals	Barium (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	217		
Metals	Barium (UG/L)	S04956	27JUL1995	1314	REG	GRAB	200		
Radionuclides	Beta activity (PCI/L)	S01254	15NOV1994	1244	REG	GRAB	3.7842		
Metals	Calcium (UG/L)	S01253	15NOV1994	1303	REG	GRAB	320		
Metals	Calcium (UG/L)	S02871	03MAR1995	919	REG	GRAB	31000		
Metals	Calcium (UG/L)	S03313	03MAR1995	1013	REG		30000		
Metals	Calcium (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	35600		
Metals	Calcium (UG/L)	S04956	27JUL1995	1314	REG	GRAB	33000		
Metals	Chromium (UG/L)	S03313	03MAR1995	1013	REG		4.2		
Metals	Chromium (UG/L)	S04956	27JUL1995	1314	REG	GRAB	4		
Radionuclides	Cobalt-60 (PCI/L)	S01255	15NOV1994	1248	REG	GRAB	3.7842		
Metals	Magnesium (UG/L)	S01253	15NOV1994	1303	REG	GRAB	6800		
Metals	Magnesium (UG/L)	S02871	03MAR1995	919	REG	GRAB	6200		
Metals	Magnesium (UG/L)	S03313	03MAR1995	1013	REG		5300		
Metals	Magnesium (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	7920		
Metals	Magnesium (UG/L)	S04956	27JUL1995	1314	REG	GRAB	6900		
Metals	Manganese (UG/L)	S01253	15NOV1994	1303	REG	GRAB	5.8		

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----- Medium=Groundwater Station=860 ML_DESC=Designed to monitor gw exit pathways from X10; Star - WAG perimeter water quality well -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S02871	03MAR1995	919	REG	GRAB	2.1		
Metals	Manganese (UG/L)	S03313	03MAR1995	1013	REG		1.2		
Metals	Manganese (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	9.4	B	B
Metals	Manganese (UG/L)	S04956	27JUL1995	1314	REG	GRAB	7.2		
Inorganics	Nitrate (UG/L)	S02891	03MAR1995	954	REG	GRAB	528		
Inorganics	Nitrate (UG/L)	S04481	23MAY1995	1316	REG		500		
Inorganics	Nitrate (UG/L)	S04962	27JUL1995	1313	REG	GRAB	390		
Metals	Potassium (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	2170	B	B
Metals	Silicon (UG/L)	S01253	15NOV1994	1303	REG	GRAB	8000		
Metals	Silicon (UG/L)	S02871	03MAR1995	919	REG	GRAB	8000		
Metals	Silicon (UG/L)	S03313	03MAR1995	1013	REG		8000		
Metals	Silicon (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	8770		
Metals	Silicon (UG/L)	S04956	27JUL1995	1314	REG	GRAB	8200		
Metals	Sodium (UG/L)	S01253	15NOV1994	1303	REG	GRAB	6400		
Metals	Sodium (UG/L)	S02871	03MAR1995	919	REG	GRAB	5600		
Metals	Sodium (UG/L)	S03313	03MAR1995	1013	REG		5000		
Metals	Sodium (UG/L)	S03893	23MAY1995	1323	REG	FILTERED	7390		
Metals	Sodium (UG/L)	S04956	27JUL1995	1314	REG	GRAB	6100		
Radionuclides	Tritium (PCI/L)	S02883	03MAR1995	939	REG	GRAB	675.75		
Metals	Zinc (UG/L)	S02871	03MAR1995	919	REG	GRAB	11		
Metals	Zinc (UG/L)	S04956	27JUL1995	1314	REG	GRAB	7		

----- Medium=Sediment Station=MS1 ML_DESC=Monitoring Station 1 -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/G)	S05248	13JUL1995	950	REG	BEDLOAD	19.7464		

----- Medium=Sediment Station=MS3 ML_DESC=Monitoring Station 3 -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/G)	S05252	13JUL1995	1000	REG	BEDLOAD	117.5772		

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----- Medium=Seeps/Springs Station=SFD ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S001828	15DEC1994	1026	REG	GRAB	1.5		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S03088	14MAR1995	1002	REG	GRAB	2.5		
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S04432	15JUN1995	1007	REG	GRAB	3.1		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03088	14MAR1995	1002	REG	GRAB	1.2		
Metals	Acetone (UG/L)	S001828	15DEC1994	1026	REG	GRAB	2.6	J	J
Metals	Acetone (UG/L)	S03088	14MAR1995	1002	REG	GRAB	3.2	J	J
Metals	Antimony (UG/L)	S05473	12SEP1995	824	REG	GRAB	2.64	B	B
Metals	Barium (UG/L)	S001830	15DEC1994	1034	REG	GRAB	149	B	B
Metals	Barium (UG/L)	S03093	14MAR1995	1005	REG	GRAB	175.28	B	B
Metals	Barium (UG/L)	S04437	15JUN1995	1008	REG	GRAB	207.73		
Metals	Barium (UG/L)	S05473	12SEP1995	824	REG	GRAB	232.78		
Radionuclides	Bismuth-214 (PCI/L)	S04445	15JUN1995	1011	REG	GRAB	21		
Radionuclides	Bismuth-214 (PCI/L)	S05481	12SEP1995	827	REG	GRAB	19.2		
Metals	Boron (UG/L)	S05473	12SEP1995	824	REG	GRAB	175.34		
Organics-Volatiles	Bromodichloromethane (UG/L)	S03088	14MAR1995	1002	REG	GRAB	4		
Metals	Calcium (UG/L)	S001830	15DEC1994	1034	REG	GRAB	70700		
Metals	Calcium (UG/L)	S03093	14MAR1995	1005	REG	GRAB	86503.53		
Metals	Calcium (UG/L)	S04437	15JUN1995	1008	REG	GRAB	101184.33		
Metals	Calcium (UG/L)	S05473	12SEP1995	824	REG	GRAB	113220.36		
Organics-Volatiles	Chloroform (UG/L)	S03088	14MAR1995	1002	REG	GRAB	0.55	J	J
Organics-Volatiles	Chloroform (UG/L)	S04432	15JUN1995	1007	REG	GRAB	0.65	J	J
Radionuclides	Gross Alpha (PCI/L)	S03097	14MAR1995	1007	REG	GRAB	18	CL	CL
Radionuclides	Gross Beta (PCI/L)	S03097	14MAR1995	1007	REG	GRAB	29.6		
Radionuclides	Lead-214 (PCI/L)	S05481	12SEP1995	827	REG	GRAB	12.8		
Metals	Magnesium (UG/L)	S001830	15DEC1994	1034	REG	GRAB	10700		
Metals	Magnesium (UG/L)	S03093	14MAR1995	1005	REG	GRAB	13717.1		
Metals	Magnesium (UG/L)	S04437	15JUN1995	1008	REG	GRAB	14353.24		
Metals	Magnesium (UG/L)	S05473	12SEP1995	824	REG	GRAB	15747.76		
Inorganics	Nitrate (UG/L)	S001835	15DEC1994	1039	REG	GRAB	1700	H	H
Inorganics	Nitrate (UG/L)	S03111	14MAR1995	1012	REG	GRAB	1000		
Inorganics	Nitrate (UG/L)	S04457	15JUN1995	1014	REG	GRAB	700		
Inorganics	Nitrate (UG/L)	S05491	12SEP1995	830	REG	GRAB	500		
Metals	Potassium (UG/L)	S03093	14MAR1995	1005	REG	GRAB	1118.65	B	B
Metals	Potassium (UG/L)	S04437	15JUN1995	1008	REG	GRAB	1381.86	B	B
Metals	Potassium (UG/L)	S05473	12SEP1995	824	REG	GRAB	1400.21	B	B
Metals	Silicon (UG/L)	S001830	15DEC1994	1034	REG	GRAB	6520		
Metals	Silicon (UG/L)	S03093	14MAR1995	1005	REG	GRAB	6811.44	E	E
Metals	Silicon (UG/L)	S04437	15JUN1995	1008	REG	GRAB	7594.02		

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----- Medium=Seeps/Springs Station=SFD ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S05473	12SEP1995	824	REG	GRAB	7837.11		
Metals	Sodium (UG/L)	S001830	15DEC1994	1034	REG	GRAB	5050		
Metals	Sodium (UG/L)	S03093	14MAR1995	1005	REG	GRAB	6896.96		
Metals	Sodium (UG/L)	S04437	15JUN1995	1008	REG	GRAB	7591.55		
Metals	Sodium (UG/L)	S05473	12SEP1995	824	REG	GRAB	8775		
Radionuclides	Strontium-90 (PCI/L)	S001834	15DEC1994	1038	REG	GRAB	4.3	J	
Radionuclides	Strontium-90 (PCI/L)	S03107	14MAR1995	1011	REG	GRAB	5.8	J	
Radionuclides	Strontium-90 (PCI/L)	S04453	15JUN1995	1012	REG	GRAB	39.2	J	
Radionuclides	Strontium-90 (PCI/L)	S05487	12SEP1995	828	REG	GRAB	10.39		
Organics-Volatiles	Tetrachloroethene (UG/L)	S03088	14MAR1995	1002	REG	GRAB	64	E	E
Organics-Volatiles	Trichloroethene (UG/L)	S03088	14MAR1995	1002	REG	GRAB	160	E	E
Radionuclides	Tritium (PCI/L)	S03103	14MAR1995	1010	REG	GRAB	4640000	J	
Radionuclides	Tritium (PCI/L)	S04449	15JUN1995	1011	REG	GRAB	6010000		
Radionuclides	Tritium (PCI/L)	S05483	12SEP1995	828	REG	GRAB	7820000		
Metals	Zinc (UG/L)	S001830	15DEC1994	1034	REG	GRAB	7.3	B	B
Metals	Zinc (UG/L)	S04437	15JUN1995	1008	REG	GRAB	14.68	B	B
Metals	Zinc (UG/L)	S05473	12SEP1995	824	REG	GRAB	16.16	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S001828	15DEC1994	1026	REG	GRAB	84		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03088	14MAR1995	1002	REG	GRAB	130	E	E
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S001828	15DEC1994	1026	REG	GRAB	0.94	J	J
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S03088	14MAR1995	1002	REG	GRAB	1.3		
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S04432	15JUN1995	1007	REG	GRAB	1.2		

----- Medium=Seeps/Springs Station=SS-003 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04289	14JUN1995	859	REG	GRAB	0.77	J	J
Metals	Acetone (UG/L)	S02967	13MAR1995	942	REG	GRAB	2.5	J	J
Metals	Aluminum (UG/L)	S02969	13MAR1995	947	REG	GRAB	54	B	B
Metals	Aluminum (UG/L)	S04291	14JUN1995	901	REG	GRAB	53.9	B	B
Metals	Aluminum (UG/L)	S05340	11SEP1995	1002	REG	GRAB	413	J	
Metals	Barium (UG/L)	S01604	14DEC1994	1005	REG	GRAB	88.45	B	B
Metals	Barium (UG/L)	S02969	13MAR1995	947	REG	GRAB	93.2	B	B
Metals	Barium (UG/L)	S04291	14JUN1995	901	REG	GRAB	97	B	B
Metals	Barium (UG/L)	S05340	11SEP1995	1002	REG	GRAB	107	B	B
Radionuclides	Bismuth-214 (PCI/L)	S01606	14DEC1994	1009	REG	GRAB	38		
Radionuclides	Bismuth-214 (PCI/L)	S04293	14JUN1995	902	REG	GRAB	17		
Metals	Boron (UG/L)	S02969	13MAR1995	947	REG	GRAB	29.2	B	B
Organics-Volatiles	Bromodichloromethane (UG/L)	S02967	13MAR1995	942	REG	GRAB	0.6	J	J
Metals	Calcium (UG/L)	S01604	14DEC1994	1005	REG	GRAB	125973.99		

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----- Medium=Seeps/Springs Station=SS-003 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S02969	13MAR1995	947	REG	GRAB	140000		
Metals	Calcium (UG/L)	S04291	14JUN1995	901	REG	GRAB	151000		
Metals	Calcium (UG/L)	S05340	11SEP1995	1002	REG	GRAB	141000		
Organics-Volatiles	Chloroform (UG/L)	S01602	14DEC1994	940	REG	GRAB	3		
Organics-Volatiles	Chloroform (UG/L)	S02967	13MAR1995	942	REG	GRAB	5.8		
Organics-Volatiles	Chloroform (UG/L)	S04289	14JUN1995	859	REG	GRAB	0.57	J	J
Organics-Volatiles	Chloroform (UG/L)	S05338	11SEP1995	1000	REG	GRAB	2		
Radionuclides	Gross Beta (PCI/L)	S01605	14DEC1994	1007	REG	GRAB	6.5		
Radionuclides	Gross Beta (PCI/L)	S02970	13MAR1995	944	REG	GRAB	10.7	CL	CL
Metals	Iron (UG/L)	S01604	14DEC1994	1005	REG	GRAB	95.18	J	B
Metals	Iron (UG/L)	S02969	13MAR1995	947	REG	GRAB	70	B	B
Metals	Iron (UG/L)	S05340	11SEP1995	1002	REG	GRAB	579		
Radionuclides	Lead-212 (PCI/L)	S01606	14DEC1994	1009	REG	GRAB	10.1		
Radionuclides	Lead-214 (PCI/L)	S01606	14DEC1994	1009	REG	GRAB	26		
Radionuclides	Lead-214 (PCI/L)	S02971	13MAR1995	944	REG	GRAB	15		
Radionuclides	Lead-214 (PCI/L)	S05342	11SEP1995	1003	REG	GRAB	14		
Metals	Magnesium (UG/L)	S01604	14DEC1994	1005	REG	GRAB	19677.48		
Metals	Magnesium (UG/L)	S02969	13MAR1995	947	REG	GRAB	23600		
Metals	Magnesium (UG/L)	S04291	14JUN1995	901	REG	GRAB	24400		
Metals	Magnesium (UG/L)	S05340	11SEP1995	1002	REG	GRAB	23700		
Metals	Manganese (UG/L)	S01604	14DEC1994	1005	REG	GRAB	34.88		
Metals	Manganese (UG/L)	S02969	13MAR1995	947	REG	GRAB	14.9	B	B
Metals	Manganese (UG/L)	S04291	14JUN1995	901	REG	GRAB	33.9		
Metals	Manganese (UG/L)	S05340	11SEP1995	1002	REG	GRAB	293		
Metals	Mercury (UG/L)	S01604	14DEC1994	1005	REG	GRAB	0.207		
Inorganics	Nitrate (UG/L)	S01609	14DEC1994	1015	REG	GRAB	970	H	H
Inorganics	Nitrate (UG/L)	S02974	13MAR1995	947	REG	GRAB	1100		
Inorganics	Nitrate (UG/L)	S04296	14JUN1995	903	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S05345	11SEP1995	1004	REG	GRAB	7400		
Metals	Potassium (UG/L)	S02969	13MAR1995	947	REG	GRAB	972	B	B
Metals	Potassium (UG/L)	S04291	14JUN1995	901	REG	GRAB	1610	B	B
Metals	Potassium (UG/L)	S05340	11SEP1995	1002	REG	GRAB	1890	B	B
Metals	Silicon (UG/L)	S01604	14DEC1994	1005	REG	GRAB	6893		
Metals	Silicon (UG/L)	S02969	13MAR1995	947	REG	GRAB	6970		
Metals	Silicon (UG/L)	S04291	14JUN1995	901	REG	GRAB	7390		
Metals	Silicon (UG/L)	S05340	11SEP1995	1002	REG	GRAB	8340		
Metals	Sodium (UG/L)	S01604	14DEC1994	1005	REG	GRAB	13168.44		
Metals	Sodium (UG/L)	S02969	13MAR1995	947	REG	GRAB	15300	E	E
Metals	Sodium (UG/L)	S04291	14JUN1995	901	REG	GRAB	15900		
Metals	Sodium (UG/L)	S05340	11SEP1995	1002	REG	GRAB	17100		
Organics-Volatiles	Tetrachloroethene (UG/L)	S01602	14DEC1994	940	REG	GRAB	19		
Organics-Volatiles	Tetrachloroethene (UG/L)	S05338	11SEP1995	1000	REG	GRAB	14		
Organics-Volatiles	Trichloroethene (UG/L)	S01602	14DEC1994	940	REG	GRAB	16		

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----- Medium=Seeps/Springs Station=SS-003 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	Trichloroethene (UG/L)	S05338	11SEP1995	1000	REG	GRAB	10		
Radionuclides	Tritium (PCI/L)	S01607	14DEC1994	1011	REG	GRAB	538000		
Radionuclides	Tritium (PCI/L)	S02972	13MAR1995	945	REG	GRAB	403000	J	
Radionuclides	Tritium (PCI/L)	S04294	14JUN1995	903	REG	GRAB	422000		
Radionuclides	Tritium (PCI/L)	S05343	11SEP1995	1003	REG	GRAB	783000		
Metals	Zinc (UG/L)	S01604	14DEC1994	1005	REG	GRAB	37.01		
Metals	Zinc (UG/L)	S02969	13MAR1995	947	REG	GRAB	19.2	B	B
Metals	Zinc (UG/L)	S04291	14JUN1995	901	REG	GRAB	10	B	B
Metals	Zinc (UG/L)	S05340	11SEP1995	1002	REG	GRAB	39		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02967	13MAR1995	942	REG	GRAB	90	R	E
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S05338	11SEP1995	1000	REG	GRAB	40		
Organics-Volatiles	trans-1,2-Dichloroethene (UG/L)	S02967	13MAR1995	942	REG	GRAB	0.66	J	J

----- Medium=Seeps/Springs Station=SS-005 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	4-Methyl-2-pentanone (UG/L)	S02976	13MAR1995	1311	REG	GRAB	0.9	J	J
Metals	Aluminum (UG/L)	S01784	14DEC1994	1415	REG	GRAB	55.3	B	B
Metals	Aluminum (UG/L)	S02978	13MAR1995	1315	REG	GRAB	100.69	B	B
Metals	Aluminum (UG/L)	S04313	14JUN1995	1037	REG	GRAB	111	B	B
Metals	Antimony (UG/L)	S02978	13MAR1995	1315	REG	GRAB	2	B	B
Metals	Barium (UG/L)	S01784	14DEC1994	1415	REG	GRAB	71	B	B
Metals	Barium (UG/L)	S02978	13MAR1995	1315	REG	GRAB	61.03	B	B
Metals	Barium (UG/L)	S04313	14JUN1995	1037	REG	GRAB	99.7	B	B
Radionuclides	Bismuth-214 (PCI/L)	S02980	13MAR1995	1313	REG	GRAB	21		
Metals	Boron (UG/L)	S02978	13MAR1995	1315	REG	GRAB	52.03	B	B
Metals	Calcium (UG/L)	S01784	14DEC1994	1415	REG	GRAB	73100		
Metals	Calcium (UG/L)	S02978	13MAR1995	1315	REG	GRAB	68164.86		
Metals	Calcium (UG/L)	S04313	14JUN1995	1037	REG	GRAB	88100		
Radionuclides	Cobalt-60 (PCI/L)	S01786	14DEC1994	1420	REG	GRAB	155		
Radionuclides	Cobalt-60 (PCI/L)	S02980	13MAR1995	1313	REG	GRAB	128	J	
Radionuclides	Gross Beta (PCI/L)	S01785	14DEC1994	1419	REG	GRAB	74.4		
Radionuclides	Gross Beta (PCI/L)	S02979	13MAR1995	1313	REG	GRAB	88.4		
Metals	Iron (UG/L)	S01784	14DEC1994	1415	REG	GRAB	685		
Metals	Iron (UG/L)	S02978	13MAR1995	1315	REG	GRAB	509.46		
Metals	Iron (UG/L)	S04313	14JUN1995	1037	REG	GRAB	3290		
Radionuclides	Lead-214 (PCI/L)	S02980	13MAR1995	1313	REG	GRAB	13		
Metals	Magnesium (UG/L)	S01784	14DEC1994	1415	REG	GRAB	6000		
Metals	Magnesium (UG/L)	S02978	13MAR1995	1315	REG	GRAB	5446.74		
Metals	Magnesium (UG/L)	S04313	14JUN1995	1037	REG	GRAB	6750		

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----- Medium=Seeps/Springs Station=SS-005 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Manganese (UG/L)	S01784	14DEC1994	1415	REG	GRAB	462		
Metals	Manganese (UG/L)	S02978	13MAR1995	1315	REG	GRAB	252.66		
Metals	Manganese (UG/L)	S04313	14JUN1995	1037	REG	GRAB	3480		
Inorganics	Nitrate (UG/L)	S01789	14DEC1994	1423	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02983	13MAR1995	1315	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04318	14JUN1995	1039	REG	GRAB	530		
Metals	Silicon (UG/L)	S01784	14DEC1994	1415	REG	GRAB	5560		
Metals	Silicon (UG/L)	S02978	13MAR1995	1315	REG	GRAB	5423.66		
Metals	Silicon (UG/L)	S04313	14JUN1995	1037	REG	GRAB	6720		
Metals	Sodium (UG/L)	S01784	14DEC1994	1415	REG	GRAB	4570	B	B
Metals	Sodium (UG/L)	S02978	13MAR1995	1315	REG	GRAB	4082	E	E
Metals	Sodium (UG/L)	S04313	14JUN1995	1037	REG	GRAB	4720	B	B
Radionuclides	Tritium (PCI/L)	S01787	14DEC1994	1421	REG	GRAB	562000		
Radionuclides	Tritium (PCI/L)	S02981	13MAR1995	1314	REG	GRAB	525000	J	
Radionuclides	Tritium (PCI/L)	S04316	14JUN1995	1038	REG	GRAB	722000		
Metals	Zinc (UG/L)	S01784	14DEC1994	1415	REG	GRAB	38.9		
Metals	Zinc (UG/L)	S02978	13MAR1995	1315	REG	GRAB	51.27		
Metals	Zinc (UG/L)	S04313	14JUN1995	1037	REG	GRAB	12.3	B	B

----- Medium=Seeps/Springs Station=SS-006 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S05362	11SEP1995	1051	REG	GRAB	325	J	
Metals	Barium (UG/L)	S01798	14DEC1994	1344	REG	GRAB	60.4	B	B
Metals	Barium (UG/L)	S02987	13MAR1995	1343	REG	GRAB	55.4	B	B
Metals	Barium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	61.7	B	B
Metals	Barium (UG/L)	S05362	11SEP1995	1051	REG	GRAB	99.8	B	B
Metals	Boron (UG/L)	S02987	13MAR1995	1343	REG	GRAB	41.9	B	B
Metals	Calcium (UG/L)	S01798	14DEC1994	1344	REG	GRAB	57100		
Metals	Calcium (UG/L)	S02987	13MAR1995	1343	REG	GRAB	51900		
Metals	Calcium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	77600		
Metals	Calcium (UG/L)	S05362	11SEP1995	1051	REG	GRAB	72100		
Metals	Chromium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	3.2	B	B
Metals	Cobalt (UG/L)	S01798	14DEC1994	1344	REG	GRAB	8.7	B	B
Metals	Cobalt (UG/L)	S02987	13MAR1995	1343	REG	GRAB	10.4	B	B
Metals	Cobalt (UG/L)	S04324	14JUN1995	1242	REG	GRAB	12.4	B	B
Metals	Cobalt (UG/L)	S05362	11SEP1995	1051	REG	GRAB	14.8	B	B
Radionuclides	Cobalt-57 (PCI/L)	S05364	11SEP1995	1051	REG	GRAB	3.1		
Radionuclides	Gross Beta (PCI/L)	S01799	14DEC1994	1345	REG	GRAB	2		
Radionuclides	Gross Beta (PCI/L)	S02988	13MAR1995	1340	REG	GRAB	5.8		

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----- Medium=Seeps/Springs Station=SS-006 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Iron (UG/L)	S01798	14DEC1994	1344	REG	GRAB	1880		
Metals	Iron (UG/L)	S02987	13MAR1995	1343	REG	GRAB	6360		
Metals	Iron (UG/L)	S04324	14JUN1995	1242	REG	GRAB	3580		
Metals	Iron (UG/L)	S05362	11SEP1995	1051	REG	GRAB	19500		
Radionuclides	Lead-212 (PCI/L)	S05364	11SEP1995	1051	REG	GRAB	13		
Metals	Magnesium (UG/L)	S01798	14DEC1994	1344	REG	GRAB	7800		
Metals	Magnesium (UG/L)	S02987	13MAR1995	1343	REG	GRAB	7090		
Metals	Magnesium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	9870		
Metals	Magnesium (UG/L)	S05362	11SEP1995	1051	REG	GRAB	9520		
Metals	Manganese (UG/L)	S01798	14DEC1994	1344	REG	GRAB	4070		
Metals	Manganese (UG/L)	S02987	13MAR1995	1343	REG	GRAB	4370		
Metals	Manganese (UG/L)	S04324	14JUN1995	1242	REG	GRAB	5690		
Metals	Manganese (UG/L)	S05362	11SEP1995	1051	REG	GRAB	8370		
Inorganics	Nitrate (UG/L)	S01803	14DEC1994	1349	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S02992	13MAR1995	1342	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04329	14JUN1995	1243	REG	GRAB	650		
Inorganics	Nitrate (UG/L)	S05367	11SEP1995	1052	REG	GRAB	14000		
Metals	Potassium (UG/L)	S01798	14DEC1994	1344	REG	GRAB	1180	B	B
Metals	Potassium (UG/L)	S02987	13MAR1995	1343	REG	GRAB	746	B	B
Metals	Potassium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	1850	B	B
Metals	Potassium (UG/L)	S05362	11SEP1995	1051	REG	GRAB	2190	B	B
Metals	Silicon (UG/L)	S01798	14DEC1994	1344	REG	GRAB	5690		
Metals	Silicon (UG/L)	S02987	13MAR1995	1343	REG	GRAB	5440		
Metals	Silicon (UG/L)	S04324	14JUN1995	1242	REG	GRAB	7140		
Metals	Silicon (UG/L)	S05362	11SEP1995	1051	REG	GRAB	6910		
Metals	Sodium (UG/L)	S01798	14DEC1994	1344	REG	GRAB	4460	B	B
Metals	Sodium (UG/L)	S02987	13MAR1995	1343	REG	GRAB	4110	E	E
Metals	Sodium (UG/L)	S04324	14JUN1995	1242	REG	GRAB	5480		
Metals	Sodium (UG/L)	S05362	11SEP1995	1051	REG	GRAB	7310		
Radionuclides	Tritium (PCI/L)	S01801	14DEC1994	1347	REG	GRAB	36100		
Radionuclides	Tritium (PCI/L)	S02990	13MAR1995	1341	REG	GRAB	23500	J	
Radionuclides	Tritium (PCI/L)	S04327	14JUN1995	1243	REG	GRAB	78000		
Radionuclides	Tritium (PCI/L)	S05365	11SEP1995	1048	REG	GRAB	92500		
Metals	Zinc (UG/L)	S01798	14DEC1994	1344	REG	GRAB	22		
Metals	Zinc (UG/L)	S02987	13MAR1995	1343	REG	GRAB	51		
Metals	Zinc (UG/L)	S04324	14JUN1995	1242	REG	GRAB	49.4		
Metals	Zinc (UG/L)	S05362	11SEP1995	1051	REG	GRAB	50		

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----- Medium=Seeps/Springs Station=SS-007 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Acetone (UG/L)	S04333	14JUN1995	1309	REG	GRAB	2.1	J	J
Metals	Aluminum (UG/L)	S02996	13MAR1995	1415	REG	GRAB	278		
Metals	Aluminum (UG/L)	S04335	14JUN1995	1310	REG	GRAB	72	B	B
Metals	Barium (UG/L)	S02996	13MAR1995	1415	REG	GRAB	28.2	B	B
Metals	Barium (UG/L)	S04335	14JUN1995	1310	REG	GRAB	50.6	B	B
Radionuclides	Bismuth-214 (PCI/L)	S04337	14JUN1995	1311	REG	GRAB	35		
Metals	Boron (UG/L)	S02996	13MAR1995	1415	REG	GRAB	25.2	B	B
Metals	Calcium (UG/L)	S02996	13MAR1995	1415	REG	GRAB	47000		
Metals	Calcium (UG/L)	S04335	14JUN1995	1310	REG	GRAB	69900		
Radionuclides	Gross Beta (PCI/L)	S02997	13MAR1995	1412	REG	GRAB	36.4		
Metals	Iron (UG/L)	S02996	13MAR1995	1415	REG	GRAB	1330		
Metals	Iron (UG/L)	S04335	14JUN1995	1310	REG	GRAB	1490		
Radionuclides	Lead-214 (PCI/L)	S04337	14JUN1995	1311	REG	GRAB	18		
Metals	Magnesium (UG/L)	S02996	13MAR1995	1415	REG	GRAB	4680	B	B
Metals	Magnesium (UG/L)	S04335	14JUN1995	1310	REG	GRAB	6510		
Metals	Manganese (UG/L)	S02996	13MAR1995	1415	REG	GRAB	827		
Metals	Manganese (UG/L)	S04335	14JUN1995	1310	REG	GRAB	2980		
Inorganics	Nitrate (UG/L)	S03001	13MAR1995	1415	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04340	14JUN1995	1311	REG	GRAB	500		
Metals	Potassium (UG/L)	S04335	14JUN1995	1310	REG	GRAB	1090	B	B
Metals	Silicon (UG/L)	S02996	13MAR1995	1415	REG	GRAB	3660		
Metals	Silicon (UG/L)	S04335	14JUN1995	1310	REG	GRAB	4790		
Metals	Sodium (UG/L)	S02996	13MAR1995	1415	REG	GRAB	2350	E	E
Metals	Sodium (UG/L)	S04335	14JUN1995	1310	REG	GRAB	3230	B	B
Radionuclides	Strontium-90 (PCI/L)	S03000	13MAR1995	1414	REG	GRAB	16.3	J	
Radionuclides	Strontium-90 (PCI/L)	S04339	14JUN1995	1311	REG	GRAB	4.8		
Radionuclides	Tritium (PCI/L)	S02999	13MAR1995	1413	REG	GRAB	2170	J	
Radionuclides	Tritium (PCI/L)	S04338	14JUN1995	1312	REG	GRAB	3010		
Metals	Zinc (UG/L)	S02996	13MAR1995	1415	REG	GRAB	28.7		
Metals	Zinc (UG/L)	S04335	14JUN1995	1310	REG	GRAB	36.8		

----- Medium=Seeps/Springs Station=SS-008 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S01728	14DEC1994	1319	REG	GRAB	71	B	B
Metals	Aluminum (UG/L)	S03005	13MAR1995	1438	REG	GRAB	73.8	B	B
Metals	Aluminum (UG/L)	S04346	14JUN1995	1333	REG	GRAB	48.7	B	B
Metals	Barium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	61.8	B	B
Metals	Barium (UG/L)	S03005	13MAR1995	1438	REG	GRAB	48.9	B	B
Metals	Barium (UG/L)	S04346	14JUN1995	1333	REG	GRAB	64.4	B	B
Radionuclides	Bismuth-214 (PCI/L)	S01730	14DEC1994	1321	REG	GRAB	20		

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----- Medium=Seeps/Springs Station=SS-008 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Bismuth-214 (PCI/L)	S03007	13MAR1995	1436	REG	GRAB	19		
Metals	Boron (UG/L)	S01728	14DEC1994	1319	REG	GRAB	159		
Metals	Calcium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	32000		
Metals	Calcium (UG/L)	S03005	13MAR1995	1438	REG	GRAB	15500		
Metals	Calcium (UG/L)	S04346	14JUN1995	1333	REG	GRAB	21700		
Metals	Chromium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	3.9	B	B
Radionuclides	Gross Alpha (PCI/L)	S05385	11SEP1995	1114	REG	GRAB	280	CL	CL
Radionuclides	Gross Beta (PCI/L)	S01729	14DEC1994	1320	REG	GRAB	20.9		
Radionuclides	Gross Beta (PCI/L)	S03006	13MAR1995	1436	REG	GRAB	12.8		
Metals	Iron (UG/L)	S01728	14DEC1994	1319	REG	GRAB	6030		
Metals	Iron (UG/L)	S03005	13MAR1995	1438	REG	GRAB	2340		
Metals	Iron (UG/L)	S04346	14JUN1995	1333	REG	GRAB	13700		
Radionuclides	Lead-212 (PCI/L)	S01730	14DEC1994	1321	REG	GRAB	24		
Radionuclides	Lead-214 (PCI/L)	S01730	14DEC1994	1321	REG	GRAB	22		
Metals	Magnesium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	4570	B	B
Metals	Magnesium (UG/L)	S03005	13MAR1995	1438	REG	GRAB	2590	B	B
Metals	Magnesium (UG/L)	S04346	14JUN1995	1333	REG	GRAB	3270	B	B
Metals	Manganese (UG/L)	S01728	14DEC1994	1319	REG	GRAB	1730		
Metals	Manganese (UG/L)	S03005	13MAR1995	1438	REG	GRAB	755		
Metals	Manganese (UG/L)	S04346	14JUN1995	1333	REG	GRAB	927		
Inorganics	Nitrate (UG/L)	S01733	14DEC1994	1324	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S03010	13MAR1995	1438	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04351	14JUN1995	1334	REG	GRAB	500		
Metals	Potassium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	1370	B	B
Metals	Potassium (UG/L)	S03005	13MAR1995	1438	REG	GRAB	1020	B	B
Metals	Potassium (UG/L)	S04346	14JUN1995	1333	REG	GRAB	1700	B	B
Metals	Silicon (UG/L)	S01728	14DEC1994	1319	REG	GRAB	5200		
Metals	Silicon (UG/L)	S03005	13MAR1995	1438	REG	GRAB	5610		
Metals	Silicon (UG/L)	S04346	14JUN1995	1333	REG	GRAB	6230		
Metals	Sodium (UG/L)	S01728	14DEC1994	1319	REG	GRAB	3700	B	B
Metals	Sodium (UG/L)	S03005	13MAR1995	1438	REG	GRAB	2320	E	E
Metals	Sodium (UG/L)	S04346	14JUN1995	1333	REG	GRAB	2690	B	B
Radionuclides	Strontium-90 (PCI/L)	S01732	14DEC1994	1323	REG	GRAB	9.67		
Radionuclides	Strontium-90 (PCI/L)	S03009	13MAR1995	1437	REG	GRAB	4.6	J	
Radionuclides	Strontium-90 (PCI/L)	S04350	14JUN1995	1334	REG	GRAB	4.06	J	
Radionuclides	Strontium-90 (PCI/L)	S05388	11SEP1995	1112	REG	GRAB	12		
Organics-Volatiles	Toluene (UG/L)	S04344	14JUN1995	1331	REG	GRAB	1.8		
Radionuclides	Tritium (PCI/L)	S01731	14DEC1994	1322	REG	GRAB	4090		
Radionuclides	Tritium (PCI/L)	S03008	13MAR1995	1437	REG	GRAB	2720	J	
Radionuclides	Tritium (PCI/L)	S04349	14JUN1995	1334	REG	GRAB	3880		
Radionuclides	Tritium (PCI/L)	S05387	11SEP1995	1111	REG	GRAB	3570		
Metals	Zinc (UG/L)	S01728	14DEC1994	1319	REG	GRAB	45.3		
Metals	Zinc (UG/L)	S03005	13MAR1995	1438	REG	GRAB	18.5	B	B

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----- Medium=Seeps/Springs Station=SS-008 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Zinc (UG/L)	S04346	14JUN1995	1333	REG	GRAB	47.3		

----- Medium=Seeps/Springs Station=WFD ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03064	14MAR1995	1342	REG	GRAB	0.56	J	J
Metals	Acetone (UG/L)	S001842	15DEC1994	1358	REG	GRAB	5.2		
Metals	Acetone (UG/L)	S03064	14MAR1995	1342	REG	GRAB	3.8	J	J
Metals	Aluminum (UG/L)	S001844	15DEC1994	1400	REG	GRAB	794		
Metals	Aluminum (UG/L)	S03063	14MAR1995	1346	REG	GRAB	1150		
Metals	Aluminum (UG/L)	S04401	15JUN1995	1348	REG	GRAB	128	B	B
Metals	Aluminum (UG/L)	S05439	12SEP1995	931	REG	GRAB	81.1	J	B
Metals	Arsenic (UG/L)	S05439	12SEP1995	931	REG	GRAB	4.1	B	B
Metals	Barium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	55	B	B
Metals	Barium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	48.4	B	B
Metals	Barium (UG/L)	S04401	15JUN1995	1348	REG	GRAB	88.4	B	B
Metals	Barium (UG/L)	S05439	12SEP1995	931	REG	GRAB	149	B	B
Radionuclides	Bismuth-214 (PCI/L)	S04403	15JUN1995	1349	REG	GRAB	17		
Radionuclides	Bismuth-214 (PCI/L)	S05441	12SEP1995	932	REG	GRAB	16		
Metals	Calcium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	31900		
Metals	Calcium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	25500		
Metals	Calcium (UG/L)	S04401	15JUN1995	1348	REG	GRAB	49700		
Metals	Calcium (UG/L)	S05439	12SEP1995	931	REG	GRAB	78400		
Metals	Chromium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	3.1	B	B
Metals	Copper (UG/L)	S001844	15DEC1994	1400	REG	GRAB	5.3	B	B
Metals	Copper (UG/L)	S03063	14MAR1995	1346	REG	GRAB	5.8	B	B
Radionuclides	Gross Beta (PCI/L)	S03065	14MAR1995	1345	REG	GRAB	2.4		
Metals	Iron (UG/L)	S001844	15DEC1994	1400	REG	GRAB	968		
Metals	Iron (UG/L)	S03063	14MAR1995	1346	REG	GRAB	1810	J	
Metals	Iron (UG/L)	S04401	15JUN1995	1348	REG	GRAB	534		
Metals	Iron (UG/L)	S05439	12SEP1995	931	REG	GRAB	284		
Radionuclides	Lead-212 (PCI/L)	S05441	12SEP1995	932	REG	GRAB	12		
Metals	Magnesium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	2160	B	B
Metals	Magnesium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	2690	B	B
Metals	Magnesium (UG/L)	S04401	15JUN1995	1348	REG	GRAB	4000	B	B
Metals	Magnesium (UG/L)	S05439	12SEP1995	931	REG	GRAB	3770	B	B
Metals	Manganese (UG/L)	S001844	15DEC1994	1400	REG	GRAB	12.8	B	B
Metals	Manganese (UG/L)	S03063	14MAR1995	1346	REG	GRAB	23		
Metals	Manganese (UG/L)	S04401	15JUN1995	1348	REG	GRAB	432		
Metals	Manganese (UG/L)	S05439	12SEP1995	931	REG	GRAB	259		

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----- Medium=Seeps/Springs Station=WFD ML_DESC=Seeps and Springs Monitoring Location. -----
(Continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Inorganics	Nitrate (UG/L)	S001849	15DEC1994	1410	REG	GRAB	590	H	H
Inorganics	Nitrate (UG/L)	S03069	14MAR1995	1346	REG	GRAB	710		
Inorganics	Nitrate (UG/L)	S04406	15JUN1995	1349	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S05444	12SEP1995	933	REG	GRAB	1500		
Metals	Potassium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	4060	B	B
Metals	Potassium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	4510	B	B
Metals	Potassium (UG/L)	S04401	15JUN1995	1348	REG	GRAB	5930		
Metals	Potassium (UG/L)	S05439	12SEP1995	931	REG	GRAB	10700		
Metals	Silicon (UG/L)	S001844	15DEC1994	1400	REG	GRAB	5790		
Metals	Silicon (UG/L)	S03063	14MAR1995	1346	REG	GRAB	4120	E	E
Metals	Silicon (UG/L)	S04401	15JUN1995	1348	REG	GRAB	4950		
Metals	Silicon (UG/L)	S05439	12SEP1995	931	REG	GRAB	7210		
Metals	Sodium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	3700	B	B
Metals	Sodium (UG/L)	S03063	14MAR1995	1346	REG	GRAB	4660	B	B
Metals	Sodium (UG/L)	S04401	15JUN1995	1348	REG	GRAB	1350	B	B
Metals	Sodium (UG/L)	S05439	12SEP1995	931	REG	GRAB	2970	B	B
Organics-Volatiles	Tetrachloroethene (UG/L)	S04399	15JUN1995	1348	REG	GRAB	13		
Organics-Volatiles	Tetrachloroethene (UG/L)	S05437	12SEP1995	930	REG	GRAB	5.4		
Organics-Volatiles	Toluene (UG/L)	S03064	14MAR1995	1342	REG	GRAB	1		
Organics-Volatiles	Trichloroethene (UG/L)	S04399	15JUN1995	1348	REG	GRAB	12		
Organics-Volatiles	Trichloroethene (UG/L)	S05437	12SEP1995	930	REG	GRAB	3.4		
Radionuclides	Tritium (PCI/L)	S03067	14MAR1995	1345	REG	GRAB	8300	J	
Radionuclides	Tritium (PCI/L)	S04404	15JUN1995	1349	REG	GRAB	5560		
Radionuclides	Tritium (PCI/L)	S05442	12SEP1995	932	REG	GRAB	7140		
Metals	Vanadium (UG/L)	S001844	15DEC1994	1400	REG	GRAB	3.2	B	B
Metals	Zinc (UG/L)	S001844	15DEC1994	1400	REG	GRAB	19.8	B	B
Metals	Zinc (UG/L)	S03063	14MAR1995	1346	REG	GRAB	37.2		
Metals	Zinc (UG/L)	S04401	15JUN1995	1348	REG	GRAB	15.6	B	B
Metals	Zinc (UG/L)	S05439	12SEP1995	931	REG	GRAB	18.8	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04399	15JUN1995	1348	REG	GRAB	18		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S05437	12SEP1995	930	REG	GRAB	3.1		

----- Medium=Seeps/Springs Station=WSS-023A ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03119	14MAR1995	924	REG	GRAB	0.55	J	J
Metals	Acetone (UG/L)	S001772	15DEC1994	1300	REG	GRAB	3.5		
Metals	Acetone (UG/L)	S03119	14MAR1995	924	REG	GRAB	3	J	J
Metals	Aluminum (UG/L)	S001774	15DEC1994	1308	REG	GRAB	183	B	B
Metals	Aluminum (UG/L)	S03122	14MAR1995	919	REG	GRAB	2010		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S04413	15JUN1995	904	REG	GRAB	291		
Metals	Barium (UG/L)	S001774	15DEC1994	1308	REG	GRAB	57.7	B	B
Metals	Barium (UG/L)	S03122	14MAR1995	919	REG	GRAB	65.9	B	B
Metals	Barium (UG/L)	S04413	15JUN1995	904	REG	GRAB	86	B	B
Metals	Calcium (UG/L)	S001774	15DEC1994	1308	REG	GRAB	70100		
Metals	Calcium (UG/L)	S03122	14MAR1995	919	REG	GRAB	67900		
Metals	Calcium (UG/L)	S04413	15JUN1995	904	REG	GRAB	112000		
Metals	Copper (UG/L)	S001774	15DEC1994	1308	REG	GRAB	5.2	B	B
Metals	Copper (UG/L)	S03122	14MAR1995	919	REG	GRAB	4.4	B	B
Radionuclides	Gross Alpha (PCI/L)	S03124	14MAR1995	916	REG	GRAB	9.4	CL	CL
Radionuclides	Gross Beta (PCI/L)	S03124	14MAR1995	916	REG	GRAB	13		
Metals	Iron (UG/L)	S001774	15DEC1994	1308	REG	GRAB	195		
Metals	Iron (UG/L)	S03122	14MAR1995	919	REG	GRAB	2260	J	
Metals	Iron (UG/L)	S04413	15JUN1995	904	REG	GRAB	934		
Radionuclides	Lead-212 (PCI/L)	S001776	15DEC1994	1311	REG	GRAB	12		
Metals	Magnesium (UG/L)	S001774	15DEC1994	1308	REG	GRAB	9790		
Metals	Magnesium (UG/L)	S03122	14MAR1995	919	REG	GRAB	9500		
Metals	Magnesium (UG/L)	S04413	15JUN1995	904	REG	GRAB	15200		
Metals	Manganese (UG/L)	S001774	15DEC1994	1308	REG	GRAB	222		
Metals	Manganese (UG/L)	S03122	14MAR1995	919	REG	GRAB	313		
Metals	Manganese (UG/L)	S04413	15JUN1995	904	REG	GRAB	5470		
Metals	Nickel (UG/L)	S001774	15DEC1994	1308	REG	GRAB	10	B	B
Inorganics	Nitrate (UG/L)	S001779	15DEC1994	1312	REG	GRAB	500	H	H
Inorganics	Nitrate (UG/L)	S03132	14MAR1995	920	REG	GRAB	4000		
Inorganics	Nitrate (UG/L)	S04423	15JUN1995	906	REG	GRAB	2700		
Metals	Potassium (UG/L)	S001774	15DEC1994	1308	REG	GRAB	1150	B	B
Metals	Potassium (UG/L)	S03122	14MAR1995	919	REG	GRAB	1640	B	B
Metals	Potassium (UG/L)	S04413	15JUN1995	904	REG	GRAB	2270	B	B
Metals	Silicon (UG/L)	S001774	15DEC1994	1308	REG	GRAB	3610		
Metals	Silicon (UG/L)	S03122	14MAR1995	919	REG	GRAB	5350	E	E
Metals	Silicon (UG/L)	S04413	15JUN1995	904	REG	GRAB	4760		
Metals	Sodium (UG/L)	S001774	15DEC1994	1308	REG	GRAB	6560		
Metals	Sodium (UG/L)	S03122	14MAR1995	919	REG	GRAB	7150		
Metals	Sodium (UG/L)	S04413	15JUN1995	904	REG	GRAB	6730		
Radionuclides	Strontium-90 (PCI/L)	S001778	15DEC1994	1310	REG	GRAB	2.71	J	
Radionuclides	Tritium (PCI/L)	S001777	15DEC1994	1312	REG	GRAB	234700		
Radionuclides	Tritium (PCI/L)	S03128	14MAR1995	917	REG	GRAB	112200	J	
Radionuclides	Tritium (PCI/L)	S04419	15JUN1995	905	REG	GRAB	669000		
Metals	Zinc (UG/L)	S001774	15DEC1994	1308	REG	GRAB	70.2		
Metals	Zinc (UG/L)	S03122	14MAR1995	919	REG	GRAB	47.8		
Metals	Zinc (UG/L)	S04413	15JUN1995	904	REG	GRAB	47.6		

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----- Medium=Seeps/Springs Station=WSS-025 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Aluminum (UG/L)	S01742	14DEC1994	1343	REG	GRAB	196.66	B	B
Metals	Aluminum (UG/L)	S03022	13MAR1995	1026	REG	GRAB	454		
Metals	Aluminum (UG/L)	S04368	14JUN1995	935	REG	GRAB	330		
Metals	Barium (UG/L)	S01742	14DEC1994	1343	REG	GRAB	87.45	B	B
Metals	Barium (UG/L)	S03022	13MAR1995	1026	REG	GRAB	68	B	B
Metals	Barium (UG/L)	S04368	14JUN1995	935	REG	GRAB	105	B	B
Radionuclides	Bismuth-214 (PCI/L)	S01744	14DEC1994	1345	REG	GRAB	29		
Metals	Boron (UG/L)	S03022	13MAR1995	1026	REG	GRAB	27.4	B	B
Metals	Calcium (UG/L)	S01742	14DEC1994	1343	REG	GRAB	106876.37		
Metals	Calcium (UG/L)	S03022	13MAR1995	1026	REG	GRAB	81600		
Metals	Calcium (UG/L)	S04368	14JUN1995	935	REG	GRAB	132000		
Metals	Chromium (UG/L)	S04368	14JUN1995	935	REG	GRAB	3.2	B	B
Radionuclides	Gross Beta (PCI/L)	S01743	14DEC1994	1344	REG	GRAB	8.2	CL	CL
Radionuclides	Gross Beta (PCI/L)	S03024	13MAR1995	1023	REG	GRAB	6.3		
Metals	Iron (UG/L)	S01742	14DEC1994	1343	REG	GRAB	191.86		
Metals	Iron (UG/L)	S03022	13MAR1995	1026	REG	GRAB	435		
Metals	Iron (UG/L)	S04368	14JUN1995	935	REG	GRAB	466		
Radionuclides	Lead-214 (PCI/L)	S01744	14DEC1994	1345	REG	GRAB	28		
Metals	Magnesium (UG/L)	S01742	14DEC1994	1343	REG	GRAB	15924.14		
Metals	Magnesium (UG/L)	S03022	13MAR1995	1026	REG	GRAB	12100		
Metals	Magnesium (UG/L)	S04368	14JUN1995	935	REG	GRAB	17900		
Metals	Manganese (UG/L)	S01742	14DEC1994	1343	REG	GRAB	112.43		
Metals	Manganese (UG/L)	S03022	13MAR1995	1026	REG	GRAB	68.5		
Metals	Manganese (UG/L)	S04368	14JUN1995	935	REG	GRAB	559		
Inorganics	Nitrate (UG/L)	S01747	14DEC1994	1348	REG	GRAB	3500		
Inorganics	Nitrate (UG/L)	S03027	13MAR1995	1026	REG	GRAB	500		
Inorganics	Nitrate (UG/L)	S04373	14JUN1995	937	REG	GRAB	870		
Metals	Potassium (UG/L)	S01742	14DEC1994	1343	REG	GRAB	874.76	B	B
Metals	Potassium (UG/L)	S04368	14JUN1995	935	REG	GRAB	2080	B	B
Metals	Silicon (UG/L)	S01742	14DEC1994	1343	REG	GRAB	4249		
Metals	Silicon (UG/L)	S03022	13MAR1995	1026	REG	GRAB	4160		
Metals	Silicon (UG/L)	S04368	14JUN1995	935	REG	GRAB	5890		
Metals	Sodium (UG/L)	S01742	14DEC1994	1343	REG	GRAB	9704.56		
Metals	Sodium (UG/L)	S03022	13MAR1995	1026	REG	GRAB	6840	E	E
Metals	Sodium (UG/L)	S04368	14JUN1995	935	REG	GRAB	10100		
Organics-Volatiles	Tetrachloroethene (UG/L)	S01738	14DEC1994	1340	REG	GRAB	0.53	J	J
Organics-Volatiles	Tetrachloroethene (UG/L)	S03026	13MAR1995	1022	REG	GRAB	1.4		
Organics-Volatiles	Tetrachloroethene (UG/L)	S04366	14JUN1995	935	REG	GRAB	1.1		
Organics-Volatiles	Trichloroethene (UG/L)	S01738	14DEC1994	1340	REG	GRAB	0.71	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S03026	13MAR1995	1022	REG	GRAB	1.2		
Organics-Volatiles	Trichloroethene (UG/L)	S04366	14JUN1995	935	REG	GRAB	1.3		
Radionuclides	Tritium (PCI/L)	S01745	14DEC1994	1346	REG	GRAB	295000		
Radionuclides	Tritium (PCI/L)	S03025	13MAR1995	1025	REG	GRAB	334000	J	
Radionuclides	Tritium (PCI/L)	S04371	14JUN1995	936	REG	GRAB	498000		

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----- Medium=Seeps/Springs Station=WSS-025 ML_DESC=Seeps and Springs Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Zinc (UG/L)	S03022	13MAR1995	1026	REG	GRAB	17.1	B	B
Metals	Zinc (UG/L)	S04368	14JUN1995	935	REG	GRAB	13.9	B	B
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S01738	14DEC1994	1340	REG	GRAB	6		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03026	13MAR1995	1022	REG	GRAB	5.2		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S04366	14JUN1995	935	REG	GRAB	6		

----- Medium=Seeps/Springs Station=WSS-033 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/L)	S01757	14DEC1994	1316	REG	GRAB	19.4		
Radionuclides	Gross Beta (PCI/L)	S03036	13MAR1995	1120	REG	GRAB	11.6		
Radionuclides	Tritium (PCI/L)	S01759	14DEC1994	1317	REG	GRAB	182200		
Radionuclides	Tritium (PCI/L)	S03031	13MAR1995	1119	REG	GRAB	61100	J	
Radionuclides	Tritium (PCI/L)	S04382	14JUN1995	1012	REG	GRAB	671000	.	

----- Medium=Seeps/Springs Station=WSS-045 ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S03071	14MAR1995	1253	REG	GRAB	0.4	J	J
Metals	Acetone (UG/L)	S03071	14MAR1995	1253	REG	GRAB	3.5	J	J
Metals	Aluminum (UG/L)	S001816	15DEC1994	953	REG	GRAB	321		
Metals	Aluminum (UG/L)	S03073	14MAR1995	1257	REG	GRAB	549		
Metals	Aluminum (UG/L)	S04390	15JUN1995	1306	REG	GRAB	129	B	B
Metals	Barium (UG/L)	S001816	15DEC1994	953	REG	GRAB	55.5	B	B
Metals	Barium (UG/L)	S03073	14MAR1995	1257	REG	GRAB	30.3	B	B
Metals	Barium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	72.8	B	B
Metals	Cadmium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	3	B	B
Metals	Calcium (UG/L)	S001816	15DEC1994	953	REG	GRAB	27300		
Metals	Calcium (UG/L)	S03073	14MAR1995	1257	REG	GRAB	13000		
Metals	Calcium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	28100		
Metals	Cobalt (UG/L)	S04390	15JUN1995	1306	REG	GRAB	12.4	B	B
Metals	Copper (UG/L)	S001816	15DEC1994	953	REG	GRAB	5.3	B	B
Metals	Copper (UG/L)	S03073	14MAR1995	1257	REG	GRAB	3.5	B	B
Radionuclides	Gross Beta (PCI/L)	S03074	14MAR1995	1254	REG	GRAB	24.6		
Metals	Iron (UG/L)	S001816	15DEC1994	953	REG	GRAB	2770		
Metals	Iron (UG/L)	S03073	14MAR1995	1257	REG	GRAB	3240	J	
Metals	Iron (UG/L)	S04390	15JUN1995	1306	REG	GRAB	30300		

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Medium=Seeps/Springs station=WSS-045 ML_DESC=Seeps and Springs Monitor (continued)

(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw Validation	Lab
Metals	Magnesium (UG/L)	S001816	15DEC1994	953	REG	GRAB	3670	B
Metals	Magnesium (UG/L)	S03073	14MAR1995	1257	REG	GRAB	2010	B
Metals	Magnesium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	4130	B
Metals	Magnesium (UG/L)	S001816	15DEC1994	953	REG	GRAB	1070	B
Metals	Manganese (UG/L)	S03073	14MAR1995	1257	REG	GRAB	403	
Metals	Manganese (UG/L)	S04390	15JUN1995	1306	REG	GRAB	3630	
Inorganics	Nitrate (UG/L)	S001821	15DEC1994	949	REG	GRAB	960	H
Inorganics	Nitrate (UG/L)	S03078	14MAR1995	1257	REG	GRAB	1700	
Inorganics	Nitrate (UG/L)	S04393	15JUN1995	1307	REG	GRAB	500	
Metals	Potassium (UG/L)	S001816	15DEC1994	953	REG	GRAB	2020	B
Metals	Potassium (UG/L)	S03073	14MAR1995	1257	REG	GRAB	1390	B
Metals	Potassium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	2530	B
Metals	Selenium (UG/L)	S001816	15DEC1994	953	REG	GRAB	3.7	B
Metals	Silicon (UG/L)	S001816	15DEC1994	953	REG	GRAB	4360	B
Metals	Silicon (UG/L)	S03073	14MAR1995	1257	REG	GRAB	4380	E
Metals	Silicon (UG/L)	S04390	15JUN1995	1306	REG	GRAB	5570	
Metals	Sodium (UG/L)	S001816	15DEC1994	953	REG	GRAB	5060	
Metals	Sodium (UG/L)	S03073	14MAR1995	1257	REG	GRAB	4730	B
Metals	Sodium (UG/L)	S04390	15JUN1995	1306	REG	GRAB	2630	B
Radionuclides	Strontium-90 (PCI/L)	S001820	15DEC1994	952	REG	GRAB	22.3	B
Radionuclides	Strontium-90 (PCI/L)	S03077	14MAR1995	1257	REG	GRAB	11.5	J
Radionuclides	Strontium-90 (PCI/L)	S04396	15JUN1995	1307	REG	GRAB	25.6	J
Radionuclides	Tritium (PCI/L)	S03076	14MAR1995	1255	REG	GRAB	4060	J
Radionuclides	Tritium (PCI/L)	S04395	15JUN1995	1307	REG	GRAB	6570	
Metals	Zinc (UG/L)	S001816	15DEC1994	953	REG	GRAB	49.7	
Metals	Zinc (UG/L)	S03073	14MAR1995	1257	REG	GRAB	102	
Metals	Zinc (UG/L)	S04390	15JUN1995	1306	REG	GRAB	51.1	

Medium=Surface Water Station=B ML_DESC=Surface Water Monitoring location.

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw Validation Lab
Herbicides	2,4,5-T (UG/L)	S02288	19JAN1995	1002	REG	GRAB	0.8
Herbicides	2,4-DB (UG/L)	S02288	19JAN1995	1002	REG	GRAB	4.7
Herbicides	2,4-DB (UG/L)	S02288	19JAN1995	1002	REG	GRAB	4.7
Metals	Aluminum (UG/L)	S02291	19JAN1995	1009	REG	GRAB	2990
Metals	Aluminum (UG/L)	S05978	19MAY1995	825	REG	GRAB	2980
Metals	Barium (UG/L)	S02291	19JAN1995	1009	REG	GRAB	85.6
Metals	Barium (UG/L)	S03978	19MAY1995	825	REG	GRAB	89.3
Organics-Semi-volatiles	Bis(2-ethylhexyl)phthalate (UG/L)	S02286	19JAN1995	957	REG	GRAB	25
Metals	Calcium (UG/L)	S02291	19JAN1995	1009	REG	GRAB	53000

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----- Medium=Surface Water Station=B ML_DESC=Surface Water Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S03978	19MAY1995	825	REG	GRAB	52800		
Metals	Chromium (UG/L)	S02291	19JAN1995	1009	REG	GRAB	7.6	B	B
Metals	Copper (UG/L)	S02291	19JAN1995	1009	REG	GRAB	12.7	B	B
Herbicides	Dalapon (UG/L)	S02288	19JAN1995	1002	REG	GRAB	2.6		
Herbicides	Dicamba (UG/L)	S02288	19JAN1995	1002	REG	GRAB	1.1		
Herbicides	Dichloroprop (UG/L)	S02288	19JAN1995	1002	REG	GRAB	2.6		
Herbicides	Dinoseb (UG/L)	S02288	19JAN1995	1002	REG	GRAB	1		
Radionuclides	Gross Beta (PCI/L)	S02293	19JAN1995	1011	REG	GRAB	10.5		
Metals	Iron (UG/L)	S02291	19JAN1995	1009	REG	GRAB	2850		
Metals	Iron (UG/L)	S03978	19MAY1995	825	REG	GRAB	3290		
Metals	Lead (UG/L)	S02291	19JAN1995	1009	REG	GRAB	2.4	B	B
Metals	Lead (UG/L)	S03978	19MAY1995	825	REG	GRAB	2.4	B	B
Herbicides	MCPA (UG/L)	S02288	19JAN1995	1002	REG	GRAB	980		
Herbicides	MCPP (UG/L)	S02288	19JAN1995	1002	REG	GRAB	740		
Metals	Magnesium (UG/L)	S02291	19JAN1995	1009	REG	GRAB	7270		
Metals	Magnesium (UG/L)	S03978	19MAY1995	825	REG	GRAB	7740		
Metals	Manganese (UG/L)	S02291	19JAN1995	1009	REG	GRAB	36.8		
Metals	Manganese (UG/L)	S03978	19MAY1995	825	REG	GRAB	64		
Metals	Potassium (UG/L)	S02291	19JAN1995	1009	REG	GRAB	2410	B	B
Metals	Potassium (UG/L)	S03978	19MAY1995	825	REG	GRAB	2420	B	B
Metals	Silicon (UG/L)	S02291	19JAN1995	1009	REG	GRAB	7490		
Metals	Silicon (UG/L)	S03978	19MAY1995	825	REG	GRAB	8610		
Herbicides	Silvex (UG/L)	S02288	19JAN1995	1002	REG	GRAB	0.7		
Metals	Sodium (UG/L)	S03978	19MAY1995	825	REG	GRAB	7630		
Radionuclides	Strontium-90 (PCI/L)	S03982	19MAY1995	833	REG	GRAB	22		
Radionuclides	Tritium (PCI/L)	S02296	19JAN1995	1015	REG	GRAB	7410	J	
Radionuclides	Tritium (PCI/L)	S03981	19MAY1995	831	REG	GRAB	3230	J	
Metals	Vanadium (UG/L)	S03978	19MAY1995	825	REG	GRAB	5.6	B	B
Metals	Zinc (UG/L)	S02291	19JAN1995	1009	REG	GRAB	42.5		

----- Medium=Surface Water Station=C ML_DESC=Surface Water Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Acetone (UG/L)	S02298	16FEB1995	934	REG	GRAB	3	J	J
Metals	Aluminum (UG/L)	S02305	16FEB1995	942	REG	GRAB	2729.61	N	N
Metals	Aluminum (UG/L)	S03984	19MAY1995	851	REG	GRAB	2750		
Metals	Barium (UG/L)	S02305	16FEB1995	942	REG	GRAB	57.29	B	B
Metals	Barium (UG/L)	S03984	19MAY1995	851	REG	GRAB	126		
Radionuclides	Bismuth-214 (PCI/L)	S03986	19MAY1995	852	REG	GRAB	21		
Metals	Boron (UG/L)	S02305	16FEB1995	942	REG	GRAB	26.3	B	B

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----- Medium=Surface Water Station=C ML_DESC=Surface Water Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Calcium (UG/L)	S02305	16FEB1995	942	REG	GRAB	57769.8		
Metals	Calcium (UG/L)	S03984	19MAY1995	851	REG	GRAB	107000		
Metals	Chromium (UG/L)	S02305	16FEB1995	942	REG	GRAB	12.02		
Radionuclides	Cobalt-60 (PCI/L)	S02308	16FEB1995	944	REG	GRAB	83	J	
Metals	Copper (UG/L)	S02305	16FEB1995	942	REG	GRAB	12.17	B	B
Radionuclides	Gross Beta (PCI/L)	S02306	16FEB1995	943	REG	GRAB	54.8		
Metals	Iron (UG/L)	S02305	16FEB1995	942	REG	GRAB	2790.94		
Metals	Iron (UG/L)	S03984	19MAY1995	851	REG	GRAB	4020		
Metals	Lead (UG/L)	S03984	19MAY1995	851	REG	GRAB	2.6	B	B
Metals	Magnesium (UG/L)	S02305	16FEB1995	942	REG	GRAB	5876.89		
Metals	Magnesium (UG/L)	S03984	19MAY1995	851	REG	GRAB	13300		
Metals	Manganese (UG/L)	S02305	16FEB1995	942	REG	GRAB	129.91		
Metals	Manganese (UG/L)	S03984	19MAY1995	851	REG	GRAB	190		
Metals	Nickel (UG/L)	S02305	16FEB1995	942	REG	GRAB	13.26	B	B
Metals	Potassium (UG/L)	S02305	16FEB1995	942	REG	GRAB	2415.83	B	B
Metals	Potassium (UG/L)	S03984	19MAY1995	851	REG	GRAB	2390	B	B
Metals	Silicon (UG/L)	S02305	16FEB1995	942	REG	GRAB	5621.85	N	N
Metals	Silicon (UG/L)	S03984	19MAY1995	851	REG	GRAB	6910		
Metals	Sodium (UG/L)	S02305	16FEB1995	942	REG	GRAB	3764.58	B	B
Metals	Sodium (UG/L)	S03984	19MAY1995	851	REG	GRAB	5230		
Radionuclides	Strontium-90 (PCI/L)	S03988	19MAY1995	853	REG	GRAB	0.82		
Radionuclides	Tritium (PCI/L)	S02309	16FEB1995	945	REG	GRAB	143500	J	
Radionuclides	Tritium (PCI/L)	S03987	19MAY1995	853	REG	GRAB	205700	J	
Metals	Vanadium (UG/L)	S02305	16FEB1995	942	REG	GRAB	4.22	B	B
Metals	Vanadium (UG/L)	S03984	19MAY1995	851	REG	GRAB	3.8	B	B
Metals	Zinc (UG/L)	S02305	16FEB1995	942	REG	GRAB	28.86		
Metals	Zinc (UG/L)	S03984	19MAY1995	851	REG	GRAB	61.3		

----- Medium=Surface Water Station=FB ML_DESC=Surface Water Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Beta activity (PCI/L)	S00990	13OCT1994	1053	REG	GRAB	567.63		
Radionuclides	Beta activity (PCI/L)	S01077	20OCT1994	908	REG	GRAB	621.69		
Radionuclides	Beta activity (PCI/L)	S01131	27OCT1994	954	REG	GRAB	324.36		
Radionuclides	Beta activity (PCI/L)	S01264	03NOV1994	1000	REG	GRAB	621.69		
Radionuclides	Beta activity (PCI/L)	S01310	10NOV1994	1117	REG	GRAB	540.6		
Radionuclides	Beta activity (PCI/L)	S01330	17NOV1994	1002	REG	GRAB	675.75		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00989	13OCT1994	933	REG	GRAB	183.804		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01075	20OCT1994	858	REG	GRAB	232.458		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01129	27OCT1994	950	REG	GRAB	324.36		

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----- Medium=Surface Water Station=FB ML_DESC=Surface Water Monitoring Location. -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01263	03NOV1994	958	REG	GRAB	205.428		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01309	10NOV1994	1116	REG	GRAB	235.161		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01329	17NOV1994	1001	REG	GRAB	237.864		
Radionuclides	Tritium (PCI/L)	S00984	13OCT1994	916	REG	GRAB	2621910		
Radionuclides	Tritium (PCI/L)	S01076	20OCT1994	900	REG	GRAB	3243600		
Radionuclides	Tritium (PCI/L)	S01130	27OCT1994	952	REG	GRAB	4865400		
Radionuclides	Tritium (PCI/L)	S01262	03NOV1994	956	REG	GRAB	5946600		
Radionuclides	Tritium (PCI/L)	S01308	10NOV1994	1115	REG	GRAB	3243600		
Radionuclides	Tritium (PCI/L)	S01328	17NOV1994	1000	REG	GRAB	6487200		

----- Medium=Surface Water Station=FB1 ML_DESC=Transect site of FB _ Tumulus -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01024	20OCT1994	940	REG	GRAB	3513900		

----- Medium=Surface Water Station=FB1SP ML_DESC=Transect Site of FB - Tumulus - Spring -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01025	20OCT1994	945	REG	GRAB	1783980		

----- Medium=Surface Water Station=FB2 ML_DESC=Transect Site of FB - Tumulus -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01026	20OCT1994	928	REG	GRAB	3243600		

----- Medium=Surface Water Station=FB3 ML_DESC=Transect Site of FB _ Tumulus -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01027	20OCT1994	920	REG	GRAB	3243600		

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----- Medium=Surface Water Station=MS1 ML_DESC=Monitoring Station 1 -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02952	01MAR1995	934	REG	GRAB	0.4	J	J
Metals	Acetone (UG/L)	S001938	14DEC1994	914	REG		2.9	J	J
Metals	Acetone (UG/L)	S04160	31MAY1995	1135	REG	GRAB	3.8	J	J
Metals	Aluminum (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	2083.94	N	N
Metals	Aluminum (UG/L)	S02909	22FEB1995	4	REG	GRAB	71.58	B	B
Metals	Aluminum (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	2590		
Metals	Aluminum (UG/L)	S03898	30MAR1995	900	REG	COMPOSITE	3090	N	N
Metals	Aluminum (UG/L)	S04136	22MAY1995	1001	REG	GRAB	103	B	B
Metals	Aluminum (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	3761.32	N	N
Metals	Aluminum (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	3770		
Metals	Aluminum (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	611		
Metals	Aluminum (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	13700	J	
Metals	Aluminum (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	9170		
Metals	Barium (UG/L)	S001951	14DEC1994	926	REG		56.6	B	B
Metals	Barium (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	43.76	B	B
Metals	Barium (UG/L)	S02909	22FEB1995	4	REG	GRAB	45.93	B	B
Metals	Barium (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	57.6	B	B
Metals	Barium (UG/L)	S03898	30MAR1995	900	REG	COMPOSITE	64.3	B	B
Metals	Barium (UG/L)	S04136	22MAY1995	1001	REG	GRAB	52.2	B	B
Metals	Barium (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	66.3	B	B
Metals	Barium (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	70.9	B	B
Metals	Barium (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	47.2	B	B
Metals	Barium (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	166	B	B
Metals	Barium (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	87.4	B	B
Radionuclides	Beta activity (PCI/L)	S04228	19MAY1995	35	REG	AUTOMATIC	6.06		
Radionuclides	Beta activity (PCI/L)	S04237	18MAY1995	2305	REG	AUTOMATIC	10.1		
Radionuclides	Beta activity (PCI/L)	S04238	18MAY1995	2315	REG	AUTOMATIC	7.31		
Radionuclides	Beta activity (PCI/L)	S04239	18MAY1995	2325	REG	AUTOMATIC	6.01		
Radionuclides	Beta activity (PCI/L)	S04240	18MAY1995	2345	REG	AUTOMATIC	5.98		
Radionuclides	Beta activity (PCI/L)	S04242	19MAY1995	15	REG	AUTOMATIC	5.93		
Radionuclides	Beta activity (PCI/L)	S04243	19MAY1995	1330	REG	AUTOMATIC	19.7		
Radionuclides	Beta activity (PCI/L)	S04519	08AUG1995	411	REG	AUTOMATIC	14.4		
Radionuclides	Beta activity (PCI/L)	S04526	08AUG1995	416	REG	AUTOMATIC	8.95		
Radionuclides	Beta activity (PCI/L)	S04527	08AUG1995	421	REG	AUTOMATIC	7.33		
Radionuclides	Beta activity (PCI/L)	S04528	08AUG1995	426	REG	AUTOMATIC	8.22		
Radionuclides	Beta activity (PCI/L)	S04529	08AUG1995	431	REG	AUTOMATIC	6.76		
Radionuclides	Beta activity (PCI/L)	S04530	08AUG1995	436	REG	AUTOMATIC	7.3		
Radionuclides	Beta activity (PCI/L)	S04531	08AUG1995	441	REG	AUTOMATIC	14.5		
Radionuclides	Beta activity (PCI/L)	S05529	20AUG1995	1131	REG	AUTOMATIC	6.73		
Radionuclides	Beta activity (PCI/L)	S05530	20AUG1995	1326	REG	AUTOMATIC	8.18		
Radionuclides	Beta activity (PCI/L)	S05531	20AUG1995	1211	REG	AUTOMATIC	7.27		
Radionuclides	Beta activity (PCI/L)	S05532	20AUG1995	1136	REG	AUTOMATIC	6.96		
Radionuclides	Beta activity (PCI/L)	S05533	20AUG1995	1156	REG	AUTOMATIC	13.5		
Radionuclides	Beta activity (PCI/L)	S05538	20AUG1995	1231	REG	AUTOMATIC	9.28		

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----- Medium=Surface Water Station=MS1 ML_DESC=Monitoring Station 1 -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Beta activity (PCI/L)	S05539	20AUG1995	1236	REG	AUTOMATIC	8.53		
Radionuclides	Beta activity (PCI/L)	S05540	20AUG1995	1241	REG	AUTOMATIC	9.45		
Radionuclides	Beta activity (PCI/L)	S05542	20AUG1995	1311	REG	AUTOMATIC	6.87		
Radionuclides	Beta activity (PCI/L)	S05657	27SEP1995	1215	REG	COMPOSITE	7.05		
Radionuclides	Bismuth-214 (PCI/L)	S03308	01MAR1995	1410	REG	COMPOSITE	16		
Metals	Boron (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	69.11	B	B
Metals	Boron (UG/L)	S04642	28JUN1995	1300	REG	COMPOSITE	49.12	B	B
Metals	Calcium (UG/L)	S001951	14DEC1994	926	REG		67000		
Metals	Calcium (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	31952.8		
Metals	Calcium (UG/L)	S02909	22FEB1995	4	REG	GRAB	65275.65		
Metals	Calcium (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	41200		
Metals	Calcium (UG/L)	S03898	30MAR1995	900	REG	COMPOSITE	49000		
Metals	Calcium (UG/L)	S04136	22MAY1995	1001	REG	GRAB	67900		
Metals	Calcium (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	47265.29		
Metals	Calcium (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	48800		
Metals	Calcium (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	39300		
Metals	Calcium (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	57300		
Metals	Calcium (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	42600		
Metals	Chromium (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	7.25	B	B
Metals	Chromium (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	6.9	B	B
Metals	Chromium (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	18.6		
Metals	Chromium (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	11.5		
Metals	Cobalt (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	13.5	B	B
Metals	Copper (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	7.03	B	B
Metals	Copper (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	9.27	B	B
Metals	Copper (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	13.9	B	B
Metals	Copper (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	19.6	B	B
Metals	Copper (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	13.2	B	B
Radionuclides	Gross Alpha (PCI/L)	S02812	15FEB1995	1921	REG	AUTOMATIC	8.2		
Radionuclides	Gross Alpha (PCI/L)	S02814	15FEB1995	615	REG	AUTOMATIC	9.5		
Radionuclides	Gross Alpha (PCI/L)	S02816	15FEB1995	715	REG	AUTOMATIC	6.1		
Radionuclides	Gross Alpha (PCI/L)	S02817	15FEB1995	1821	REG	AUTOMATIC	11		
Radionuclides	Gross Alpha (PCI/L)	S02819	15FEB1995	1951	REG	AUTOMATIC	7.7		
Radionuclides	Gross Alpha (PCI/L)	S02825	17FEB1995	910	REG	AUTOMATIC	8.3		
Radionuclides	Gross Alpha (PCI/L)	S03176	21APR1995	517	REG	AUTOMATIC	8.5		
Radionuclides	Gross Alpha (PCI/L)	S03178	21APR1995	232	REG	AUTOMATIC	10.8		
Radionuclides	Gross Alpha (PCI/L)	S03185	21APR1995	432	REG	AUTOMATIC	7.4		
Radionuclides	Gross Alpha (PCI/L)	S03307	01MAR1995	1410	REG	COMPOSITE	6.2	J	CL
Radionuclides	Gross Alpha (PCI/L)	S04575	31MAY1995	940	REG	COMPOSITE	4.5	J	CL
Radionuclides	Gross Alpha (PCI/L)	S04644	28JUN1995	1300	REG	COMPOSITE	4.2	J	
Radionuclides	Gross Alpha (PCI/L)	S05313	30AUG1995	1245	REG	COMPOSITE	11.8	J	CL
Radionuclides	Gross Alpha (PCI/L)	S05651	27SEP1995	1215	REG	COMPOSITE	9.4	J	CL
Radionuclides	Gross Beta (PCI/L)	S02678	02FEB1995	800	REG	COMPOSITE	9.3		

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----- Medium=Surface Water Station=MS1 ML_DESC=Monitoring Station 1 -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/L)	S02809	14FEB1995	1500	REG	AUTOMATIC	11.6		
Radionuclides	Gross Beta (PCI/L)	S02812	15FEB1995	1921	REG	AUTOMATIC	30.4		
Radionuclides	Gross Beta (PCI/L)	S02813	15FEB1995	545	REG	AUTOMATIC	13.4		
Radionuclides	Gross Beta (PCI/L)	S02814	15FEB1995	615	REG	AUTOMATIC	10.3		
Radionuclides	Gross Beta (PCI/L)	S02815	15FEB1995	645	REG	AUTOMATIC	12.1		
Radionuclides	Gross Beta (PCI/L)	S02816	15FEB1995	715	REG	AUTOMATIC	12.1		
Radionuclides	Gross Beta (PCI/L)	S02817	15FEB1995	1821	REG	AUTOMATIC	26		
Radionuclides	Gross Beta (PCI/L)	S02818	15FEB1995	1851	REG	AUTOMATIC	65.6		
Radionuclides	Gross Beta (PCI/L)	S02819	15FEB1995	1951	REG	AUTOMATIC	12.1		
Radionuclides	Gross Beta (PCI/L)	S02820	15FEB1995	2021	REG	AUTOMATIC	14.3		
Radionuclides	Gross Beta (PCI/L)	S02822	15FEB1995	2121	REG	AUTOMATIC	19.7		
Radionuclides	Gross Beta (PCI/L)	S02823	15FEB1995	2151	REG	AUTOMATIC	9.7		
Radionuclides	Gross Beta (PCI/L)	S02824	15FEB1995	2221	REG	AUTOMATIC	15.6		
Radionuclides	Gross Beta (PCI/L)	S02825	17FEB1995	910	REG	AUTOMATIC	45.2		
Radionuclides	Gross Beta (PCI/L)	S03175	21APR1995	217	REG	AUTOMATIC	10.3		
Radionuclides	Gross Beta (PCI/L)	S03176	21APR1995	517	REG	AUTOMATIC	8.2		
Radionuclides	Gross Beta (PCI/L)	S03178	21APR1995	232	REG	AUTOMATIC	40.8		
Radionuclides	Gross Beta (PCI/L)	S03179	21APR1995	247	REG	AUTOMATIC	19.3		
Radionuclides	Gross Beta (PCI/L)	S03180	21APR1995	302	REG	AUTOMATIC	11		
Radionuclides	Gross Beta (PCI/L)	S03182	21APR1995	332	REG	AUTOMATIC	11		
Radionuclides	Gross Beta (PCI/L)	S03183	21APR1995	347	REG	AUTOMATIC	10.6		
Radionuclides	Gross Beta (PCI/L)	S03184	21APR1995	417	REG	AUTOMATIC	19.9		
Radionuclides	Gross Beta (PCI/L)	S03185	21APR1995	432	REG	AUTOMATIC	11.4		
Radionuclides	Gross Beta (PCI/L)	S03187	21APR1995	502	REG	AUTOMATIC	20.8		
Radionuclides	Gross Beta (PCI/L)	S03191	21APR1995	1305	REG	AUTOMATIC	36		
Radionuclides	Gross Beta (PCI/L)	S03307	01MAR1995	1410	REG	COMPOSITE	11.4		
Radionuclides	Gross Beta (PCI/L)	S03900	30MAR1995	900	REG	COMPOSITE	13.1		
Metals	Iron (UG/L)	S001951	14DEC1994	926	REG		60.2	CL	CL
Metals	Iron (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	2596.28	B	B
Metals	Iron (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	3550		
Metals	Iron (UG/L)	S03898	30MAR1995	900	REG	COMPOSITE	4590		
Metals	Iron (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	4026.66		
Metals	Iron (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	5400		
Metals	Iron (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	666		
Metals	Iron (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	19000		
Metals	Iron (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	9470		
Metals	Lead (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	2.59	B	B
Metals	Lead (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	4.6		
Metals	Lead (UG/L)	S03898	30MAR1995	900	REG	COMPOSITE	7		
Metals	Lead (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	5.08		
Metals	Lead (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	6.6		
Metals	Lead (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	1	B	B
Metals	Lead (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	6.7		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Strontium-90 (PCI/L)	S02405	28JAN1995	707	REG	AUTOMATIC	2.6		
Radionuclides	Strontium-90 (PCI/L)	S02406	28JAN1995	737	REG	AUTOMATIC	1.8		
Radionuclides	Strontium-90 (PCI/L)	S02408	28JAN1995	837	REG	AUTOMATIC	3.7		
Radionuclides	Strontium-90 (PCI/L)	S02409	28JAN1995	907	REG	AUTOMATIC	3		
Radionuclides	Strontium-90 (PCI/L)	S02410	28JAN1995	937	REG	AUTOMATIC	2.3		
Radionuclides	Strontium-90 (PCI/L)	S02411	28JAN1995	1007	REG	AUTOMATIC	3.5		
Radionuclides	Strontium-90 (PCI/L)	S02412	27JAN1995	1250	REG	AUTOMATIC	6.2		
Radionuclides	Strontium-90 (PCI/L)	S02414	30JAN1995	934	REG	AUTOMATIC	6.5		
Radionuclides	Strontium-90 (PCI/L)	S02809	14FEB1995	1500	REG	AUTOMATIC	7.1		
Radionuclides	Strontium-90 (PCI/L)	S02811	16FEB1995	21	REG	AUTOMATIC	3.6		
Radionuclides	Strontium-90 (PCI/L)	S02812	15FEB1995	1921	REG	AUTOMATIC	2.3		
Radionuclides	Strontium-90 (PCI/L)	S02813	15FEB1995	545	REG	AUTOMATIC	4.4		
Radionuclides	Strontium-90 (PCI/L)	S02816	15FEB1995	715	REG	AUTOMATIC	2.3		
Radionuclides	Strontium-90 (PCI/L)	S02818	15FEB1995	1851	REG	AUTOMATIC	2.4		
Radionuclides	Strontium-90 (PCI/L)	S02822	15FEB1995	2121	REG	AUTOMATIC	3.3		
Radionuclides	Strontium-90 (PCI/L)	S02823	15FEB1995	2151	REG	AUTOMATIC	2.5		
Radionuclides	Strontium-90 (PCI/L)	S02824	15FEB1995	2221	REG	AUTOMATIC	4.5		
Radionuclides	Strontium-90 (PCI/L)	S02825	17FEB1995	910	REG	AUTOMATIC	4.7		
Radionuclides	Strontium-90 (PCI/L)	S03176	21APR1995	517	REG	AUTOMATIC	4		
Radionuclides	Strontium-90 (PCI/L)	S03178	21APR1995	232	REG	AUTOMATIC	16		
Radionuclides	Strontium-90 (PCI/L)	S03179	21APR1995	247	REG	AUTOMATIC	2.4		
Radionuclides	Strontium-90 (PCI/L)	S03191	21APR1995	1305	REG	AUTOMATIC	3.1		
Radionuclides	Strontium-90 (PCI/L)	S001925	14DEC1994	913	REG	GRAB	5.63	J	
Radionuclides	Strontium-90 (PCI/L)	S01320	18NOV1994	903	REG	GRAB	1.09	J	
Radionuclides	Strontium-90 (PCI/L)	S02328	24JAN1995	842	REG	GRAB	6.7		
Radionuclides	Strontium-90 (PCI/L)	S02682	02FEB1995	800	REG	COMPOSITE	2.2		
Radionuclides	Strontium-90 (PCI/L)	S02919	22FEB1995	933	REG	GRAB	4.9	J	
Radionuclides	Strontium-90 (PCI/L)	S03310	01MAR1995	1410	REG	COMPOSITE	2.9	J	
Radionuclides	Strontium-90 (PCI/L)	S03908	30MAR1995	900	REG	COMPOSITE	7.2	J	
Radionuclides	Strontium-90 (PCI/L)	S04144	22MAY1995	1007	REG	GRAB	4.03	J	
Metals	Thallium (UG/L)	S001951	14DEC1994	926	REG		3.2	B	B
Metals	Thallium (UG/L)	S02909	22FEB1995	4	REG	GRAB	3.01	B	B
Organics-Volatiles	Trichloroethene (UG/L)	S02952	01MAR1995	934	REG	GRAB	0.2	J	J
Radionuclides	Tritium (PCI/L)	S01316	18NOV1994	856	REG	GRAB	2071000		
Radionuclides	Tritium (PCI/L)	S01547	09DEC1994	1323	REG	AUTOMATIC	1562955		
Radionuclides	Tritium (PCI/L)	S01548	10DEC1994	915	REG	AUTOMATIC	261100		
Radionuclides	Tritium (PCI/L)	S01549	10DEC1994	1925	REG	AUTOMATIC	294763.1		
Radionuclides	Tritium (PCI/L)	S01550	10DEC1994	1455	REG	AUTOMATIC	46337.8		
Radionuclides	Tritium (PCI/L)	S01551	10DEC1994	1015	REG	AUTOMATIC	91919.8		
Radionuclides	Tritium (PCI/L)	S01552	10DEC1994	1125	REG	AUTOMATIC	127313.5		
Radionuclides	Tritium (PCI/L)	S01553	10DEC1994	1225	REG	AUTOMATIC	79284.7		
Radionuclides	Tritium (PCI/L)	S01554	10DEC1994	1325	REG	AUTOMATIC	64789.2		
Radionuclides	Tritium (PCI/L)	S01555	10DEC1994	1355	REG	AUTOMATIC	64011.7		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01556	10DEC1994	1425	REG	AUTOMATIC	73542.3		
Radionuclides	Tritium (PCI/L)	S01557	10DEC1994	1525	REG	AUTOMATIC	52692.8		
Radionuclides	Tritium (PCI/L)	S01558	10DEC1994	1555	REG	AUTOMATIC	87378.4		
Radionuclides	Tritium (PCI/L)	S01559	10DEC1994	1625	REG	AUTOMATIC	130464.9		
Radionuclides	Tritium (PCI/L)	S01560	10DEC1994	1655	REG	AUTOMATIC	180652.3		
Radionuclides	Tritium (PCI/L)	S01561	10DEC1994	1755	REG	AUTOMATIC	191715.3		
Radionuclides	Tritium (PCI/L)	S01562	10DEC1994	1825	REG	AUTOMATIC	191220.7		
Radionuclides	Tritium (PCI/L)	S01563	12DEC1994	1024	REG	AUTOMATIC	950918.9		
Radionuclides	Tritium (PCI/L)	S02327	24JAN1995	840	REG	GRAB	312000		
Radionuclides	Tritium (PCI/L)	S02379	28JAN1995	407	REG	AUTOMATIC	182708.1		
Radionuclides	Tritium (PCI/L)	S02380	28JAN1995	607	REG	AUTOMATIC	42097.3		
Radionuclides	Tritium (PCI/L)	S02381	28JAN1995	1037	REG	AUTOMATIC	270500		
Radionuclides	Tritium (PCI/L)	S02382	28JAN1995	437	REG	AUTOMATIC	128456.8		
Radionuclides	Tritium (PCI/L)	S02383	28JAN1995	507	REG	AUTOMATIC	91766.7		
Radionuclides	Tritium (PCI/L)	S02384	28JAN1995	537	REG	AUTOMATIC	49960.4		
Radionuclides	Tritium (PCI/L)	S02385	28JAN1995	637	REG	AUTOMATIC	57772.1		
Radionuclides	Tritium (PCI/L)	S02386	28JAN1995	707	REG	AUTOMATIC	69949.5		
Radionuclides	Tritium (PCI/L)	S02387	28JAN1995	737	REG	AUTOMATIC	73176.6		
Radionuclides	Tritium (PCI/L)	S02388	28JAN1995	807	REG	AUTOMATIC	79071.2		
Radionuclides	Tritium (PCI/L)	S02389	28JAN1995	837	REG	AUTOMATIC	99470.3		
Radionuclides	Tritium (PCI/L)	S02390	28JAN1995	907	REG	AUTOMATIC	142249.5		
Radionuclides	Tritium (PCI/L)	S02391	28JAN1995	937	REG	AUTOMATIC	194746.8		
Radionuclides	Tritium (PCI/L)	S02392	28JAN1995	1007	REG	AUTOMATIC	241184.7		
Radionuclides	Tritium (PCI/L)	S02393	27JAN1995	1250	REG	AUTOMATIC	250127		
Radionuclides	Tritium (PCI/L)	S02395	30JAN1995	934	REG	AUTOMATIC	341409		
Radionuclides	Tritium (PCI/L)	S02670	02FEB1995	800	REG	COMPOSITE	155700		
Radionuclides	Tritium (PCI/L)	S02790	14FEB1995	1500	REG	AUTOMATIC	292302.7		
Radionuclides	Tritium (PCI/L)	S02791	15FEB1995	345	REG	AUTOMATIC	104015.3		
Radionuclides	Tritium (PCI/L)	S02792	16FEB1995	21	REG	AUTOMATIC	206153.2		
Radionuclides	Tritium (PCI/L)	S02793	15FEB1995	1921	REG	AUTOMATIC	44127.9		
Radionuclides	Tritium (PCI/L)	S02794	15FEB1995	545	REG	AUTOMATIC	93620.7		
Radionuclides	Tritium (PCI/L)	S02795	15FEB1995	615	REG	AUTOMATIC	68350.5		
Radionuclides	Tritium (PCI/L)	S02796	15FEB1995	645	REG	AUTOMATIC	76251.4		
Radionuclides	Tritium (PCI/L)	S02797	15FEB1995	715	REG	AUTOMATIC	117639.6		
Radionuclides	Tritium (PCI/L)	S02798	15FEB1995	1821	REG	AUTOMATIC	98796.4		
Radionuclides	Tritium (PCI/L)	S02799	15FEB1995	1851	REG	AUTOMATIC	81777.5		
Radionuclides	Tritium (PCI/L)	S02800	15FEB1995	1951	REG	AUTOMATIC	37221.6		
Radionuclides	Tritium (PCI/L)	S02801	15FEB1995	2021	REG	AUTOMATIC	38815.3		
Radionuclides	Tritium (PCI/L)	S02802	15FEB1995	2051	REG	AUTOMATIC	79656.8		
Radionuclides	Tritium (PCI/L)	S02803	15FEB1995	2121	REG	AUTOMATIC	133454.1		
Radionuclides	Tritium (PCI/L)	S02804	15FEB1995	2151	REG	AUTOMATIC	181939.6		
Radionuclides	Tritium (PCI/L)	S02805	15FEB1995	2221	REG	AUTOMATIC	234652.3		
Radionuclides	Tritium (PCI/L)	S02806	17FEB1995	910	REG	AUTOMATIC	774067.6		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02914	22FEB1995	929	REG	GRAB	767000	J	
Radionuclides	Tritium (PCI/L)	S03156	21APR1995	217	REG	AUTOMATIC	54702.7		
Radionuclides	Tritium (PCI/L)	S03157	21APR1995	517	REG	AUTOMATIC	142315.3		
Radionuclides	Tritium (PCI/L)	S03158	21APR1995	402	REG	AUTOMATIC	37208.1		
Radionuclides	Tritium (PCI/L)	S03159	21APR1995	232	REG	AUTOMATIC	78370.3		
Radionuclides	Tritium (PCI/L)	S03160	21APR1995	247	REG	AUTOMATIC	72573		
Radionuclides	Tritium (PCI/L)	S03161	21APR1995	302	REG	AUTOMATIC	66732.4		
Radionuclides	Tritium (PCI/L)	S03162	21APR1995	317	REG	AUTOMATIC	45137.8		
Radionuclides	Tritium (PCI/L)	S03163	21APR1995	332	REG	AUTOMATIC	47365.8		
Radionuclides	Tritium (PCI/L)	S03164	21APR1995	347	REG	AUTOMATIC	59380.2		
Radionuclides	Tritium (PCI/L)	S03165	21APR1995	417	REG	AUTOMATIC	37776.6		
Radionuclides	Tritium (PCI/L)	S03166	21APR1995	432	REG	AUTOMATIC	53122.5		
Radionuclides	Tritium (PCI/L)	S03167	21APR1995	447	REG	AUTOMATIC	76313.5		
Radionuclides	Tritium (PCI/L)	S03168	21APR1995	502	REG	AUTOMATIC	104587.4		
Radionuclides	Tritium (PCI/L)	S03172	21APR1995	1305	REG	AUTOMATIC	865408.1		
Radionuclides	Tritium (PCI/L)	S03265	13MAR1995	921	REG	GRAB	735000	J	
Radionuclides	Tritium (PCI/L)	S03309	01MAR1995	1410	REG	COMPOSITE	211600	J	
Radionuclides	Tritium (PCI/L)	S03906	30MAR1995	900	REG	COMPOSITE	207800	J	
Radionuclides	Tritium (PCI/L)	S03958	27APR1995	1303	REG	GRAB	2331000	J	
Radionuclides	Tritium (PCI/L)	S04140	22MAY1995	1004	REG	GRAB	984000	J	
Radionuclides	Tritium (PCI/L)	S04189	04MAY1995	810	REG	COMPOSITE	482000	J	
Radionuclides	Tritium (PCI/L)	S04577	31MAY1995	940	REG	COMPOSITE	233600	J	
Radionuclides	Tritium (PCI/L)	S04597	14JUN1995	908	REG	GRAB	2131000	J	
Radionuclides	Tritium (PCI/L)	S04648	28JUN1995	1300	REG	COMPOSITE	920000	J	
Metals	Vanadium (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	4.03	B	B
Metals	Vanadium (UG/L)	S03306	01MAR1995	1410	REG	COMPOSITE	4.2	B	B
Metals	Vanadium (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	6.22	B	B
Metals	Vanadium (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	5	B	B
Metals	Vanadium (UG/L)	S05165	02AUG1995	1330	REG	COMPOSITE	5.3	B	B
Metals	Vanadium (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	17.6	B	B
Metals	Vanadium (UG/L)	S05649	27SEP1995	1215	REG	COMPOSITE	8.1	B	B
Metals	Zinc (UG/L)	S02674	02FEB1995	800	REG	COMPOSITE	56.96		
Metals	Zinc (UG/L)	S04136	22MAY1995	1001	REG	GRAB	12.1	B	B
Metals	Zinc (UG/L)	S04182	04MAY1995	810	REG	COMPOSITE	97.34		
Metals	Zinc (UG/L)	S04574	31MAY1995	940	REG	COMPOSITE	64.3		
Metals	Zinc (UG/L)	S05312	30AUG1995	1245	REG	COMPOSITE	81.9		

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----- Medium=Surface Water Station=MS3 ML_DESC=Monitoring Station 3 -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,1-Dichloroethane (UG/L)	S02920	22FEB1995	1002	REG	GRAB	1		
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S04162	31MAY1995	1216	REG	GRAB	0.58	J	J
Metals	Acetone (UG/L)	S04145	22MAY1995	1328	REG	GRAB	2.6	J	J
Metals	Acetone (UG/L)	S04162	31MAY1995	1216	REG	GRAB	2.6	J	J
Metals	Aluminum (UG/L)	S001962	14DEC1994	957	REG		152.04	B	B
Metals	Aluminum (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	1640	N	N
Metals	Aluminum (UG/L)	S02921	22FEB1995	1003	REG	GRAB	258		
Metals	Aluminum (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	1260		
Metals	Aluminum (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	1608.87	N	N
Metals	Aluminum (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	2530	N	N
Metals	Aluminum (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	2590		
Metals	Aluminum (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	753	J	
Metals	Aluminum (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	307.66		
Metals	Barium (UG/L)	S001962	14DEC1994	957	REG		43.01	B	B
Metals	Barium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	46.1	B	B
Metals	Barium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	46.8	B	B
Metals	Barium (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	47.8	B	B
Metals	Barium (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	50.04	B	B
Metals	Barium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	64.5	B	B
Metals	Barium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	64.9	B	B
Metals	Barium (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	45	B	B
Metals	Barium (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	59.87	B	B
Organics-Volatiles	Benzene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	1		
Radionuclides	Bismuth-214 (PCI/L)	S02931	22FEB1995	1011	REG	GRAB	17		
Radionuclides	Bismuth-214 (PCI/L)	S04586	31MAY1995	1310	REG	COMPOSITE	33		
Metals	Boron (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	59.8	B	B
Metals	Boron (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	58.1	B	B
Metals	Boron (UG/L)	S04654	29JUN1995	810	REG	COMPOSITE	58.5	B	B
Metals	Boron (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	69.1	B	B
Metals	Calcium (UG/L)	S001962	14DEC1994	957	REG		57577.3		
Metals	Calcium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	42700		
Metals	Calcium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	57300		
Metals	Calcium (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	45800		
Metals	Calcium (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	47560.71		
Metals	Calcium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	63700		
Metals	Calcium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	46500		
Metals	Calcium (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	47900		
Metals	Calcium (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	71070.52		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Cesium-134 (PCI/L)	S04154	22MAY1995	1335	REG	GRAB	5.2		
Metals	Chromium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	4	B	B
Metals	Chromium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	3.4	B	B
Metals	Chromium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	8.7	B	B
Metals	Copper (UG/L)	S001962	14DEC1994	957	REG		4.73	B	B
Metals	Copper (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	6.6	B	B
Metals	Copper (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	3.8	B	B
Metals	Copper (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	8.9	B	B
Organics-Volatiles	Ethylbenzene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	0.03	J	J
Radionuclides	Gross Alpha (PCI/L)	S02853	15FEB1995	756	REG	AUTOMATIC	8.4		
Radionuclides	Gross Alpha (PCI/L)	S02856	15FEB1995	1934	REG	AUTOMATIC	6.2		
Radionuclides	Gross Alpha (PCI/L)	S03216	08MAR1995	243	REG	AUTOMATIC	9.4		
Radionuclides	Gross Alpha (PCI/L)	S03228	16MAR1995	1450	REG	AUTOMATIC	8.6		
Radionuclides	Gross Alpha (PCI/L)	S03330	02MAR1995	840	REG	COMPOSITE	1.7	CL	CL
Radionuclides	Gross Beta (PCI/L)	S02688	02FEB1995	900	REG	COMPOSITE	318		
Radionuclides	Gross Beta (PCI/L)	S02847	14FEB1995	1310	REG	AUTOMATIC	432.4		
Radionuclides	Gross Beta (PCI/L)	S02848	15FEB1995	557	REG	AUTOMATIC	201.9		
Radionuclides	Gross Beta (PCI/L)	S02849	16FEB1995	234	REG	AUTOMATIC	296		
Radionuclides	Gross Beta (PCI/L)	S02850	15FEB1995	2004	REG	AUTOMATIC	136.4		
Radionuclides	Gross Beta (PCI/L)	S02851	15FEB1995	626	REG	AUTOMATIC	137.3		
Radionuclides	Gross Beta (PCI/L)	S02852	15FEB1995	656	REG	AUTOMATIC	186		
Radionuclides	Gross Beta (PCI/L)	S02853	15FEB1995	756	REG	AUTOMATIC	205		
Radionuclides	Gross Beta (PCI/L)	S02854	15FEB1995	1834	REG	AUTOMATIC	155.3		
Radionuclides	Gross Beta (PCI/L)	S02855	15FEB1995	1904	REG	AUTOMATIC	184.1		
Radionuclides	Gross Beta (PCI/L)	S02856	15FEB1995	1934	REG	AUTOMATIC	114.8		
Radionuclides	Gross Beta (PCI/L)	S02857	15FEB1995	2034	REG	AUTOMATIC	119.8		
Radionuclides	Gross Beta (PCI/L)	S02858	15FEB1995	2104	REG	AUTOMATIC	142.3		
Radionuclides	Gross Beta (PCI/L)	S02859	15FEB1995	2134	REG	AUTOMATIC	139.9		
Radionuclides	Gross Beta (PCI/L)	S02860	15FEB1995	2204	REG	AUTOMATIC	174.7		
Radionuclides	Gross Beta (PCI/L)	S02861	15FEB1995	2234	REG	AUTOMATIC	213.9		
Radionuclides	Gross Beta (PCI/L)	S02862	15FEB1995	2304	REG	AUTOMATIC	243.5		
Radionuclides	Gross Beta (PCI/L)	S02863	17FEB1995	1025	REG	AUTOMATIC	418.7		
Radionuclides	Gross Beta (PCI/L)	S02926	22FEB1995	1007	REG	GRAB	389		
Radionuclides	Gross Beta (PCI/L)	S03213	08MAR1995	55	REG	AUTOMATIC	225		
Radionuclides	Gross Beta (PCI/L)	S03214	08MAR1995	1643	REG	AUTOMATIC	358		
Radionuclides	Gross Beta (PCI/L)	S03215	08MAR1995	343	REG	AUTOMATIC	179.1		
Radionuclides	Gross Beta (PCI/L)	S03216	08MAR1995	243	REG	AUTOMATIC	191.5		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Gross Beta (PCI/L)	S03217	08MAR1995	443	REG	AUTOMATIC	127.9		
Radionuclides	Gross Beta (PCI/L)	S03218	08MAR1995	543	REG	AUTOMATIC	129.6		
Radionuclides	Gross Beta (PCI/L)	S03219	08MAR1995	643	REG	AUTOMATIC	146.2		
Radionuclides	Gross Beta (PCI/L)	S03220	08MAR1995	743	REG	AUTOMATIC	157.5		
Radionuclides	Gross Beta (PCI/L)	S03221	08MAR1995	843	REG	AUTOMATIC	141.6		
Radionuclides	Gross Beta (PCI/L)	S03222	08MAR1995	943	REG	AUTOMATIC	169.3		
Radionuclides	Gross Beta (PCI/L)	S03223	08MAR1995	1043	REG	AUTOMATIC	240		
Radionuclides	Gross Beta (PCI/L)	S03224	08MAR1995	1143	REG	AUTOMATIC	175.4		
Radionuclides	Gross Beta (PCI/L)	S03225	08MAR1995	1243	REG	AUTOMATIC	229.8		
Radionuclides	Gross Beta (PCI/L)	S03226	08MAR1995	1343	REG	AUTOMATIC	266.1		
Radionuclides	Gross Beta (PCI/L)	S03227	08MAR1995	1443	REG	AUTOMATIC	282.5		
Radionuclides	Gross Beta (PCI/L)	S03228	16MAR1995	1450	REG	AUTOMATIC	597.5		
Radionuclides	Gross Beta (PCI/L)	S03229	09MAR1995	1310	REG	AUTOMATIC	470.3		
Radionuclides	Gross Beta (PCI/L)	S03916	30MAR1995	945	REG	COMPOSITE	480		
Metals	Iron (UG/L)	S001962	14DEC1994	957	REG		285.8		
Metals	Iron (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	2190		
Metals	Iron (UG/L)	S02921	22FEB1995	1003	REG	GRAB	546		
Metals	Iron (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	1820		
Metals	Iron (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	2380.3		
Metals	Iron (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	3230		
Metals	Iron (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	4330		
Metals	Iron (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	969		
Metals	Iron (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	334.67		
Metals	Lead (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	1.9	B	B
Metals	Lead (UG/L)	S02921	22FEB1995	1003	REG	GRAB	1.8	B	B
Metals	Lead (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	2.3	B	B
Metals	Lead (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	3	B	B
Metals	Lead (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	3.4		
Radionuclides	Lead-212 (PCI/L)	S001968	14DEC1994	1003	REG		11		
Radionuclides	Lead-212 (PCI/L)	S04586	31MAY1995	1310	REG	COMPOSITE	24		
Radionuclides	Lead-212 (PCI/L)	S05187	02AUG1995	1300	REG	COMPOSITE	19		
Radionuclides	Lead-214 (PCI/L)	S04586	31MAY1995	1310	REG	COMPOSITE	19		
Metals	Magnesium (UG/L)	S001962	14DEC1994	957	REG		8073.52		
Metals	Magnesium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	6190		
Metals	Magnesium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	8040		
Metals	Magnesium (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	6600		
Metals	Magnesium (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	6715.31		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Magnesium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	8810		
Metals	Magnesium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	6450		
Metals	Magnesium (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	5650		
Metals	Magnesium (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	8793.4		
Metals	Manganese (UG/L)	S001962	14DEC1994	957	REG		601.81		
Metals	Manganese (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	395		
Metals	Manganese (UG/L)	S02921	22FEB1995	1003	REG	GRAB	579		
Metals	Manganese (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	278		
Metals	Manganese (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	353.17		
Metals	Manganese (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	809		
Metals	Manganese (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	706		
Metals	Manganese (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	260		
Metals	Manganese (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	107.3		
TSS	Non-filterable Residue (UG/L)	S02684	02FEB1995	900	REG	COMPOSITE	30000		
TSS	Non-filterable Residue (UG/L)	S03334	02MAR1995	840	REG	COMPOSITE	52000		
TSS	Non-filterable Residue (UG/L)	S03922	30MAR1995	945	REG	COMPOSITE	34000		
TSS	Non-filterable Residue (UG/L)	S04203	04MAY1995	1000	REG	COMPOSITE	50000		
TSS	Non-filterable Residue (UG/L)	S04592	31MAY1995	1310	REG	COMPOSITE	98000		
TSS	Non-filterable Residue (UG/L)	S04663	29JUN1995	810	REG	COMPOSITE	92000		
TSS	Non-filterable Residue (UG/L)	S05193	02AUG1995	1300	REG	COMPOSITE	46000		
TSS	Non-filterable Residue (UG/L)	S05327	30AUG1995	1230	REG	COMPOSITE	32000		
TSS	Non-filterable Residue (UG/L)	S05614	27SEP1995	1245	REG	COMPOSITE	12000		
Metals	Potassium (UG/L)	S001962	14DEC1994	957	REG		1259.98	B	B
Metals	Potassium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	2320	B	B
Metals	Potassium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	1410	B	B
Metals	Potassium (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	2290	B	B
Metals	Potassium (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	1772.21	B	B
Metals	Potassium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	2800	B	B
Metals	Potassium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	3550	B	B
Metals	Potassium (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	11000		
Metals	Potassium (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	8151.83		
Metals	Silicon (UG/L)	S001962	14DEC1994	957	REG		4279.99		
Metals	Silicon (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	4090	N	N
Metals	Silicon (UG/L)	S02921	22FEB1995	1003	REG	GRAB	3730		
Metals	Silicon (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	4870		
Metals	Silicon (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	5101.18	N	N
Metals	Silicon (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	7370	N	N

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Metals	Silicon (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	6140		
Metals	Silicon (UG/L)	S04654	29JUN1995	810	REG	COMPOSITE	6260		
Metals	Silicon (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	4140		
Metals	Sodium (UG/L)	S001962	14DEC1994	957	REG		7004.61		
Metals	Sodium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	5570		
Metals	Sodium (UG/L)	S02921	22FEB1995	1003	REG	GRAB	6980		
Metals	Sodium (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	7440		
Metals	Sodium (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	6945.65		
Metals	Sodium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	8300		
Metals	Sodium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	6130		
Metals	Sodium (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	5380		
Metals	Sodium (UG/L)	S05600	27SEP1995	1245	REG	COMPOSITE	7655.59		
Radionuclides	Strontium-90 (PCI/L)	S02064	09DEC1994	1335	REG	AUTOMATIC	180.8		
Radionuclides	Strontium-90 (PCI/L)	S02065	10DEC1994	1140	REG	AUTOMATIC	113.1		
Radionuclides	Strontium-90 (PCI/L)	S02066	10DEC1994	2040	REG	AUTOMATIC	143.8		
Radionuclides	Strontium-90 (PCI/L)	S02067	10DEC1994	1510	REG	AUTOMATIC	37		
Radionuclides	Strontium-90 (PCI/L)	S02068	10DEC1994	1210	REG	AUTOMATIC	38.8		
Radionuclides	Strontium-90 (PCI/L)	S02069	10DEC1994	1240	REG	AUTOMATIC	79		
Radionuclides	Strontium-90 (PCI/L)	S02070	10DEC1994	1310	REG	AUTOMATIC	75.2		
Radionuclides	Strontium-90 (PCI/L)	S02071	10DEC1994	1340	REG	AUTOMATIC	99.3		
Radionuclides	Strontium-90 (PCI/L)	S02072	10DEC1994	1410	REG	AUTOMATIC	272.8		
Radionuclides	Strontium-90 (PCI/L)	S02073	10DEC1994	1440	REG	AUTOMATIC	46.9		
Radionuclides	Strontium-90 (PCI/L)	S02074	10DEC1994	1540	REG	AUTOMATIC	63.2		
Radionuclides	Strontium-90 (PCI/L)	S02075	10DEC1994	1610	REG	AUTOMATIC	26		
Radionuclides	Strontium-90 (PCI/L)	S02076	10DEC1994	1640	REG	AUTOMATIC	71.2		
Radionuclides	Strontium-90 (PCI/L)	S02077	10DEC1994	1710	REG	AUTOMATIC	89.2		
Radionuclides	Strontium-90 (PCI/L)	S02078	10DEC1994	1740	REG	AUTOMATIC	71		
Radionuclides	Strontium-90 (PCI/L)	S02079	10DEC1994	1810	REG	AUTOMATIC	78		
Radionuclides	Strontium-90 (PCI/L)	S02080	12DEC1994	1305	REG	AUTOMATIC	289.8		
Radionuclides	Strontium-90 (PCI/L)	S02481	27JAN1995	1302	REG	AUTOMATIC	181.7		
Radionuclides	Strontium-90 (PCI/L)	S02482	28JAN1995	1515	REG	AUTOMATIC	75.5		
Radionuclides	Strontium-90 (PCI/L)	S02483	28JAN1995	1645	REG	AUTOMATIC	48.8		
Radionuclides	Strontium-90 (PCI/L)	S02484	28JAN1995	1115	REG	AUTOMATIC	137.2		
Radionuclides	Strontium-90 (PCI/L)	S02485	28JAN1995	1545	REG	AUTOMATIC	39.7		
Radionuclides	Strontium-90 (PCI/L)	S02486	28JAN1995	615	REG	AUTOMATIC	52.7		
Radionuclides	Strontium-90 (PCI/L)	S02487	28JAN1995	715	REG	AUTOMATIC	12.9		
Radionuclides	Strontium-90 (PCI/L)	S02488	28JAN1995	745	REG	AUTOMATIC	53.9		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Strontium-90 (PCI/L)	S02489	28JAN1995	815	REG	AUTOMATIC	55.1		
Radionuclides	Strontium-90 (PCI/L)	S02490	28JAN1995	845	REG	AUTOMATIC	58.4		
Radionuclides	Strontium-90 (PCI/L)	S02491	28JAN1995	915	REG	AUTOMATIC	67.7		
Radionuclides	Strontium-90 (PCI/L)	S02492	28JAN1995	945	REG	AUTOMATIC	106.6		
Radionuclides	Strontium-90 (PCI/L)	S02493	28JAN1995	1015	REG	AUTOMATIC	125.7		
Radionuclides	Strontium-90 (PCI/L)	S02494	28JAN1995	1045	REG	AUTOMATIC	131		
Radionuclides	Strontium-90 (PCI/L)	S02497	30JAN1995	1227	REG	AUTOMATIC	262.2		
Radionuclides	Strontium-90 (PCI/L)	S02847	14FEB1995	1310	REG	AUTOMATIC	301.2		
Radionuclides	Strontium-90 (PCI/L)	S02848	15FEB1995	557	REG	AUTOMATIC	64.4		
Radionuclides	Strontium-90 (PCI/L)	S02849	16FEB1995	234	REG	AUTOMATIC	184.2		
Radionuclides	Strontium-90 (PCI/L)	S02850	15FEB1995	2004	REG	AUTOMATIC	66.2		
Radionuclides	Strontium-90 (PCI/L)	S02851	15FEB1995	626	REG	AUTOMATIC	99.4		
Radionuclides	Strontium-90 (PCI/L)	S02852	15FEB1995	656	REG	AUTOMATIC	76.7		
Radionuclides	Strontium-90 (PCI/L)	S02853	15FEB1995	756	REG	AUTOMATIC	121.3		
Radionuclides	Strontium-90 (PCI/L)	S02854	15FEB1995	1834	REG	AUTOMATIC	76.1		
Radionuclides	Strontium-90 (PCI/L)	S02855	15FEB1995	1904	REG	AUTOMATIC	39.4		
Radionuclides	Strontium-90 (PCI/L)	S02856	15FEB1995	1934	REG	AUTOMATIC	64.9		
Radionuclides	Strontium-90 (PCI/L)	S02857	15FEB1995	2034	REG	AUTOMATIC	77.3		
Radionuclides	Strontium-90 (PCI/L)	S02858	15FEB1995	2104	REG	AUTOMATIC	25.4		
Radionuclides	Strontium-90 (PCI/L)	S02859	15FEB1995	2134	REG	AUTOMATIC	76.7		
Radionuclides	Strontium-90 (PCI/L)	S02860	15FEB1995	2204	REG	AUTOMATIC	116.7		
Radionuclides	Strontium-90 (PCI/L)	S02861	15FEB1995	2234	REG	AUTOMATIC	139.3		
Radionuclides	Strontium-90 (PCI/L)	S02862	15FEB1995	2304	REG	AUTOMATIC	273		
Radionuclides	Strontium-90 (PCI/L)	S02863	17FEB1995	1025	REG	AUTOMATIC	259.4		
Radionuclides	Strontium-90 (PCI/L)	S03213	08MAR1995	55	REG	AUTOMATIC	82.2		
Radionuclides	Strontium-90 (PCI/L)	S03214	08MAR1995	1643	REG	AUTOMATIC	159.8		
Radionuclides	Strontium-90 (PCI/L)	S03215	08MAR1995	343	REG	AUTOMATIC	109.9		
Radionuclides	Strontium-90 (PCI/L)	S03216	08MAR1995	243	REG	AUTOMATIC	82.6		
Radionuclides	Strontium-90 (PCI/L)	S03217	08MAR1995	443	REG	AUTOMATIC	61.8		
Radionuclides	Strontium-90 (PCI/L)	S03218	08MAR1995	543	REG	AUTOMATIC	74.5		
Radionuclides	Strontium-90 (PCI/L)	S03219	08MAR1995	643	REG	AUTOMATIC	92.6		
Radionuclides	Strontium-90 (PCI/L)	S03220	08MAR1995	743	REG	AUTOMATIC	85.7		
Radionuclides	Strontium-90 (PCI/L)	S03221	08MAR1995	843	REG	AUTOMATIC	105.5		
Radionuclides	Strontium-90 (PCI/L)	S03222	08MAR1995	943	REG	AUTOMATIC	122.5		
Radionuclides	Strontium-90 (PCI/L)	S03223	08MAR1995	1043	REG	AUTOMATIC	178.1		
Radionuclides	Strontium-90 (PCI/L)	S03224	08MAR1995	1143	REG	AUTOMATIC	136.7		
Radionuclides	Strontium-90 (PCI/L)	S03225	08MAR1995	1243	REG	AUTOMATIC	103.4		

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Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Strontium-90 (PCI/L)	S03226	08MAR1995	1343	REG	AUTOMATIC	142.4		
Radionuclides	Strontium-90 (PCI/L)	S03227	08MAR1995	1443	REG	AUTOMATIC	235		
Radionuclides	Strontium-90 (PCI/L)	S03228	16MAR1995	1450	REG	AUTOMATIC	318.1		
Radionuclides	Strontium-90 (PCI/L)	S03229	09MAR1995	1310	REG	AUTOMATIC	311.1		
Radionuclides	Strontium-90 (PCI/L)	S001932	14DEC1994	958	REG	GRAB	221.9	J	
Radionuclides	Strontium-90 (PCI/L)	S01325	18NOV1994	837	REG	GRAB	223	J	
Radionuclides	Strontium-90 (PCI/L)	S02338	24JAN1995	927	REG	GRAB	212		
Radionuclides	Strontium-90 (PCI/L)	S02692	02FEB1995	900	REG	COMPOSITE	162		
Radionuclides	Strontium-90 (PCI/L)	S02933	22FEB1995	1013	REG	GRAB	208	J	
Radionuclides	Strontium-90 (PCI/L)	S03295	13MAR1995	952	REG	GRAB	193	J	
Radionuclides	Strontium-90 (PCI/L)	S03333	02MAR1995	840	REG	COMPOSITE	181	J	
Radionuclides	Strontium-90 (PCI/L)	S03921	30MAR1995	945	REG	COMPOSITE	209	J	
Radionuclides	Strontium-90 (PCI/L)	S03967	27APR1995	1344	REG	GRAB	244	J	
Radionuclides	Strontium-90 (PCI/L)	S04156	22MAY1995	1336	REG	GRAB	239	J	
Radionuclides	Strontium-90 (PCI/L)	S04202	04MAY1995	1000	REG	COMPOSITE	275	J	
Radionuclides	Strontium-90 (PCI/L)	S04590	31MAY1995	1310	REG	COMPOSITE	153.1	J	
Radionuclides	Strontium-90 (PCI/L)	S04606	14JUN1995	1000	REG	GRAB	282	J	
Radionuclides	Strontium-90 (PCI/L)	S04662	29JUN1995	810	REG	COMPOSITE	305	J	
Organics-Volatiles	Tetrachloroethene (UG/L)	S02535	01FEB1995	1025	REG	GRAB	0.61	J	J
Organics-Volatiles	Tetrachloroethene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	0.7	J	J
Organics-Volatiles	Tetrachloroethene (UG/L)	S02953	01MAR1995	1004	REG	GRAB	0.93	J	J
Organics-Volatiles	Toluene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	1		
Organics-Volatiles	Trichloroethene (UG/L)	S001954	14DEC1994	1003	REG		0.72	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S02535	01FEB1995	1025	REG	GRAB	0.67	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	0.8	J	J
Organics-Volatiles	Trichloroethene (UG/L)	S02953	01MAR1995	1004	REG	GRAB	0.98	J	J
Radionuclides	Tritium (PCI/L)	S01324	18NOV1994	835	REG	GRAB	3680000		
Radionuclides	Tritium (PCI/L)	S02045	09DEC1994	1335	REG	AUTOMATIC	4046711.7		
Radionuclides	Tritium (PCI/L)	S02046	10DEC1994	1140	REG	AUTOMATIC	668868.5		
Radionuclides	Tritium (PCI/L)	S02047	10DEC1994	2040	REG	AUTOMATIC	1173747.7		
Radionuclides	Tritium (PCI/L)	S02048	10DEC1994	1510	REG	AUTOMATIC	320421.6		
Radionuclides	Tritium (PCI/L)	S02049	10DEC1994	1210	REG	AUTOMATIC	452800		
Radionuclides	Tritium (PCI/L)	S02051	10DEC1994	1310	REG	AUTOMATIC	334520.7		
Radionuclides	Tritium (PCI/L)	S02052	10DEC1994	1340	REG	AUTOMATIC	321682		
Radionuclides	Tritium (PCI/L)	S02053	10DEC1994	1410	REG	AUTOMATIC	315317.1		
Radionuclides	Tritium (PCI/L)	S02054	10DEC1994	1440	REG	AUTOMATIC	314833.3		
Radionuclides	Tritium (PCI/L)	S02055	10DEC1994	1540	REG	AUTOMATIC	416506.3		

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----- Medium=Surface Water Station=MS3 ML_DESC=Monitoring Station 3 -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02056	10DEC1994	1610	REG	AUTOMATIC	472789.2		
Radionuclides	Tritium (PCI/L)	S02057	10DEC1994	1640	REG	AUTOMATIC	518624.3		
Radionuclides	Tritium (PCI/L)	S02058	10DEC1994	1710	REG	AUTOMATIC	633621.6		
Radionuclides	Tritium (PCI/L)	S02059	10DEC1994	1740	REG	AUTOMATIC	744232.4		
Radionuclides	Tritium (PCI/L)	S02060	10DEC1994	1810	REG	AUTOMATIC	799515.3		
Radionuclides	Tritium (PCI/L)	S02061	12DEC1994	1305	REG	AUTOMATIC	3151576.6		
Radionuclides	Tritium (PCI/L)	S02333	24JAN1995	919	REG	GRAB	2421000		
Radionuclides	Tritium (PCI/L)	S02462	27JAN1995	1302	REG	AUTOMATIC	3282654.1		
Radionuclides	Tritium (PCI/L)	S02463	28JAN1995	515	REG	AUTOMATIC	605472.1		
Radionuclides	Tritium (PCI/L)	S02464	28JAN1995	645	REG	AUTOMATIC	375033.3		
Radionuclides	Tritium (PCI/L)	S02465	28JAN1995	1115	REG	AUTOMATIC	1033045		
Radionuclides	Tritium (PCI/L)	S02466	28JAN1995	1545	REG	AUTOMATIC	346035.1		
Radionuclides	Tritium (PCI/L)	S02467	28JAN1995	615	REG	AUTOMATIC	395516.2		
Radionuclides	Tritium (PCI/L)	S02468	28JAN1995	715	REG	AUTOMATIC	396624.3		
Radionuclides	Tritium (PCI/L)	S02469	28JAN1995	745	REG	AUTOMATIC	439140.5		
Radionuclides	Tritium (PCI/L)	S02470	28JAN1995	815	REG	AUTOMATIC	531080.2		
Radionuclides	Tritium (PCI/L)	S02471	28JAN1995	845	REG	AUTOMATIC	601901.8		
Radionuclides	Tritium (PCI/L)	S02472	28JAN1995	915	REG	AUTOMATIC	650673.9		
Radionuclides	Tritium (PCI/L)	S02473	28JAN1995	945	REG	AUTOMATIC	726628.8		
Radionuclides	Tritium (PCI/L)	S02474	28JAN1995	1015	REG	AUTOMATIC	817241.4		
Radionuclides	Tritium (PCI/L)	S02475	28JAN1995	1045	REG	AUTOMATIC	902423.4		
Radionuclides	Tritium (PCI/L)	S02478	30JAN1995	1227	REG	AUTOMATIC	2098216.2		
Radionuclides	Tritium (PCI/L)	S02683	02FEB1995	900	REG	COMPOSITE	1447000		
Radionuclides	Tritium (PCI/L)	S02828	14FEB1995	1310	REG	AUTOMATIC	3178117.1		
Radionuclides	Tritium (PCI/L)	S02829	15FEB1995	557	REG	AUTOMATIC	467655.9		
Radionuclides	Tritium (PCI/L)	S02830	16FEB1995	234	REG	AUTOMATIC	1022585.6		
Radionuclides	Tritium (PCI/L)	S02831	15FEB1995	2004	REG	AUTOMATIC	369489.2		
Radionuclides	Tritium (PCI/L)	S02832	15FEB1995	626	REG	AUTOMATIC	311765.8		
Radionuclides	Tritium (PCI/L)	S02833	15FEB1995	656	REG	AUTOMATIC	526923.4		
Radionuclides	Tritium (PCI/L)	S02834	15FEB1995	756	REG	AUTOMATIC	478820.7		
Radionuclides	Tritium (PCI/L)	S02835	15FEB1995	1834	REG	AUTOMATIC	457968.5		
Radionuclides	Tritium (PCI/L)	S02836	15FEB1995	1904	REG	AUTOMATIC	643973		
Radionuclides	Tritium (PCI/L)	S02837	15FEB1995	1934	REG	AUTOMATIC	290747.7		
Radionuclides	Tritium (PCI/L)	S02838	15FEB1995	2034	REG	AUTOMATIC	365257.7		
Radionuclides	Tritium (PCI/L)	S02839	15FEB1995	2104	REG	AUTOMATIC	395325.2		
Radionuclides	Tritium (PCI/L)	S02840	15FEB1995	2134	REG	AUTOMATIC	510714.4		
Radionuclides	Tritium (PCI/L)	S02841	15FEB1995	2204	REG	AUTOMATIC	672518		

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----- Medium=Surface Water Station=MS3 ML_DESC=Monitoring Station 3 -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02842	15FEB1995	2234	REG	AUTOMATIC	803383.8		
Radionuclides	Tritium (PCI/L)	S02843	15FEB1995	2304	REG	AUTOMATIC	910702.7		
Radionuclides	Tritium (PCI/L)	S02844	17FEB1995	1025	REG	AUTOMATIC	1584369.4		
Radionuclides	Tritium (PCI/L)	S02932	22FEB1995	1012	REG	GRAB	1780000	J	
Radionuclides	Tritium (PCI/L)	S03194	08MAR1995	55	REG	AUTOMATIC	585909.9		
Radionuclides	Tritium (PCI/L)	S03195	08MAR1995	1643	REG	AUTOMATIC	918964		
Radionuclides	Tritium (PCI/L)	S03196	08MAR1995	343	REG	AUTOMATIC	346228.8		
Radionuclides	Tritium (PCI/L)	S03197	08MAR1995	243	REG	AUTOMATIC	570464.9		
Radionuclides	Tritium (PCI/L)	S03198	08MAR1995	443	REG	AUTOMATIC	335812.6		
Radionuclides	Tritium (PCI/L)	S03199	08MAR1995	543	REG	AUTOMATIC	441841.4		
Radionuclides	Tritium (PCI/L)	S03200	08MAR1995	643	REG	AUTOMATIC	510627.9		
Radionuclides	Tritium (PCI/L)	S03201	08MAR1995	743	REG	AUTOMATIC	511378.4		
Radionuclides	Tritium (PCI/L)	S03202	08MAR1995	843	REG	AUTOMATIC	529964.9		
Radionuclides	Tritium (PCI/L)	S03203	08MAR1995	943	REG	AUTOMATIC	579764.9		
Radionuclides	Tritium (PCI/L)	S03204	08MAR1995	1043	REG	AUTOMATIC	590145.9		
Radionuclides	Tritium (PCI/L)	S03205	08MAR1995	1143	REG	AUTOMATIC	642063.1		
Radionuclides	Tritium (PCI/L)	S03206	08MAR1995	1243	REG	AUTOMATIC	666753.2		
Radionuclides	Tritium (PCI/L)	S03207	08MAR1995	1343	REG	AUTOMATIC	743158.6		
Radionuclides	Tritium (PCI/L)	S03208	08MAR1995	1443	REG	AUTOMATIC	775166.7		
Radionuclides	Tritium (PCI/L)	S03209	06MAR1995	1415	REG	AUTOMATIC	2089522.5		
Radionuclides	Tritium (PCI/L)	S03210	09MAR1995	1310	REG	AUTOMATIC	1841153.2		
Radionuclides	Tritium (PCI/L)	S03290	13MAR1995	952	REG	GRAB	1704000	J	
Radionuclides	Tritium (PCI/L)	S03332	02MAR1995	840	REG	COMPOSITE	1267000	J	
Radionuclides	Tritium (PCI/L)	S03920	30MAR1995	945	REG	COMPOSITE	1594000	J	
Radionuclides	Tritium (PCI/L)	S03963	27APR1995	1342	REG	GRAB	2820000	J	
Radionuclides	Tritium (PCI/L)	S04155	22MAY1995	1336	REG	GRAB	2367000	J	
Radionuclides	Tritium (PCI/L)	S04201	04MAY1995	1000	REG	COMPOSITE	2258000	J	
Radionuclides	Tritium (PCI/L)	S04605	14JUN1995	959	REG	GRAB	2278000	J	
Radionuclides	Tritium (PCI/L)	S04661	29JUN1995	810	REG	COMPOSITE	1958000	J	
Metals	Vanadium (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	3.3	B	B
Metals	Vanadium (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	4.4	B	B
Metals	Vanadium (UG/L)	S04582	31MAY1995	1310	REG	COMPOSITE	3.8	B	B
Metals	Zinc (UG/L)	S02687	02FEB1995	900	REG	COMPOSITE	46.3		
Metals	Zinc (UG/L)	S03329	02MAR1995	840	REG	COMPOSITE	34.6		
Metals	Zinc (UG/L)	S03912	30MAR1995	945	REG	COMPOSITE	28.15		
Metals	Zinc (UG/L)	S04195	04MAY1995	1000	REG	COMPOSITE	82.5		
Metals	Zinc (UG/L)	S05321	30AUG1995	1230	REG	COMPOSITE	24.1		

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----- Medium=Surface Water Station=MS3 ML_DESC=Monitoring Station 3 -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S001954	14DEC1994	1003	REG		1.3		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02089	28DEC1994	1015	REG	GRAB	0.52	J	J
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02920	22FEB1995	1002	REG	GRAB	1.6		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S02953	01MAR1995	1004	REG	GRAB	1.9		
Organics-Volatiles	cis-1,2-Dichloroethene (UG/L)	S03340	29MAR1995	957	REG	GRAB	0.63	J	J

----- Medium=Surface Water Station=SFD ML_DESC=Seeps and Springs Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01028	20OCT1994	1025	REG	GRAB	5676300		

----- Medium=Surface Water Station=TUM1P ML_DESC=Tumulus 1 Pad Drain -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Alpha activity (PCI/L)	S01332	17NOV1994	858	REG	GRAB	35.139		
Radionuclides	Alpha activity (PCI/L)	S04173	17MAY1995	928	REG	GRAB	26.7597		
Radionuclides	Beta activity (PCI/L)	S00865	06OCT1994	1334	REG	GRAB	135.15		
Radionuclides	Beta activity (PCI/L)	S01004	13OCT1994	943	REG	GRAB	432.48		
Radionuclides	Beta activity (PCI/L)	S01079	20OCT1994	1251	REG	GRAB	783.87		
Radionuclides	Beta activity (PCI/L)	S01133	27OCT1994	905	REG	GRAB	891.99		
Radionuclides	Beta activity (PCI/L)	S01266	03NOV1994	900	REG	GRAB	2703		
Radionuclides	Beta activity (PCI/L)	S01300	10NOV1994	1000	REG	GRAB	1513.68		
Radionuclides	Beta activity (PCI/L)	S01332	17NOV1994	858	REG	GRAB	810.9		
Radionuclides	Beta activity (PCI/L)	S02899	21FEB1995	945	REG	GRAB	351.39		
Radionuclides	Beta activity (PCI/L)	S04173	17MAY1995	928	REG	GRAB	810.9		
Radionuclides	Beta activity (PCI/L)	S05333	17AUG1995	843	REG	GRAB	6216.9		
TDS/TSS	Dissolved Solids (UG/L)	S05624	14SEP1995	959	REG	GRAB	14000000		
Radionuclides	Potassium-40 (PCI/L)	S05333	17AUG1995	843	REG	GRAB	8109		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00854	06OCT1994	1338	REG	GRAB	7.2981		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S01133	27OCT1994	905	REG	GRAB	2.9733		
TDS/TSS	Suspended Solids (UG/L)	S05624	14SEP1995	959	REG	GRAB	96000		
Radionuclides	Tritium (PCI/L)	S00853	06OCT1994	1336	REG	GRAB	32436000		
Radionuclides	Tritium (PCI/L)	S01000	13OCT1994	938	REG	GRAB	32436000		
Radionuclides	Tritium (PCI/L)	S01080	20OCT1994	1255	REG	GRAB	48654000		
Radionuclides	Tritium (PCI/L)	S01134	27OCT1994	910	REG	GRAB	62169000		
Radionuclides	Tritium (PCI/L)	S01267	03NOV1994	905	REG	GRAB	89199000		
Radionuclides	Tritium (PCI/L)	S01301	10NOV1994	1005	REG	GRAB	72981000		

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----- Medium=Surface Water Station=TUM1P ML_DESC=Tumulus 1 Pad Drain -----
(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01333	17NOV1994	905	REG	GRAB	70278000		
Radionuclides	Tritium (PCI/L)	S02041	19DEC1994	1013	REG	GRAB	83793000		
Radionuclides	Tritium (PCI/L)	S02526	20JAN1995	1040	REG	GRAB	45951000		
Radionuclides	Tritium (PCI/L)	S02900	21FEB1995	947	REG	GRAB	22975500		
Radionuclides	Tritium (PCI/L)	S03747	31MAR1995	920	REG	GRAB	200022000		
Radionuclides	Tritium (PCI/L)	S04005	27APR1995	951	REG	GRAB	116229000		
Radionuclides	Tritium (PCI/L)	S04172	17MAY1995	929	REG	GRAB	32436000		
Radionuclides	Tritium (PCI/L)	S05158	19JUL1995	851	REG	GRAB	29733000		
Radionuclides	Tritium (PCI/L)	S05332	17AUG1995	844	REG	GRAB	12974400		
Radionuclides	Tritium (PCI/L)	S05619	14SEP1995	1012	REG	GRAB	29733000		

----- Medium=Surface Water Station=TUM1UP ML_DESC=Tumulus 1 Underpad Drain -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Alpha activity (PCI/L)	S01334	17NOV1994	924	REG	GRAB	9.1902		
Radionuclides	Beta activity (PCI/L)	S00867	06OCT1994	1250	REG	GRAB	11.8932		
Radionuclides	Beta activity (PCI/L)	S01010	13OCT1994	1001	REG	GRAB	24.5973		
Radionuclides	Beta activity (PCI/L)	S01081	20OCT1994	1306	REG	GRAB	15.4071		
Radionuclides	Beta activity (PCI/L)	S01268	03NOV1994	925	REG	GRAB	14.8665		
Radionuclides	Beta activity (PCI/L)	S01302	10NOV1994	1025	REG	GRAB	18.1101		
Radionuclides	Beta activity (PCI/L)	S01334	17NOV1994	924	REG	GRAB	35.139		
Radionuclides	Beta activity (PCI/L)	S02901	21FEB1995	938	REG	GRAB	15.4071		
Radionuclides	Cesium-137 (PCI/L)	S02901	21FEB1995	938	REG	GRAB	2.703		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00856	06OCT1994	1300	REG	GRAB	2.9733		
Radionuclides	Tritium (PCI/L)	S00855	06OCT1994	1258	REG	GRAB	11622900		
Radionuclides	Tritium (PCI/L)	S01006	13OCT1994	957	REG	GRAB	16758600		
Radionuclides	Tritium (PCI/L)	S01082	20OCT1994	1310	REG	GRAB	27030000		
Radionuclides	Tritium (PCI/L)	S01269	03NOV1994	930	REG	GRAB	6216900		
Radionuclides	Tritium (PCI/L)	S01303	10NOV1994	1030	REG	GRAB	7298100		
Radionuclides	Tritium (PCI/L)	S01335	17NOV1994	930	REG	GRAB	8109000		
Radionuclides	Tritium (PCI/L)	S02042	19DEC1994	1021	REG	GRAB	12974400		
Radionuclides	Tritium (PCI/L)	S02527	20JAN1995	1030	REG	GRAB	29733000		
Radionuclides	Tritium (PCI/L)	S02902	21FEB1995	940	REG	GRAB	51357000		
Radionuclides	Tritium (PCI/L)	S03748	31MAR1995	910	REG	GRAB	118932000		
Radionuclides	Tritium (PCI/L)	S05157	19JUL1995	850	REG	GRAB	405450000		

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----- Medium=Surface Water Station=TUM2P ML_DESC=Tumulus 2 Pad Drain -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Alpha activity (PCI/L)	S01016	13OCT1994	1016	REG	GRAB	13.7853		
Radionuclides	Beta activity (PCI/L)	S00869	06OCT1994	1240	REG	GRAB	70.278		
Radionuclides	Beta activity (PCI/L)	S01016	13OCT1994	1016	REG	GRAB	270.3		
Radionuclides	Beta activity (PCI/L)	S01086	20OCT1994	1317	REG	GRAB	232.458		
Radionuclides	Beta activity (PCI/L)	S01270	03NOV1994	940	REG	GRAB	324.36		
Radionuclides	Beta activity (PCI/L)	S01304	10NOV1994	1040	REG	GRAB	1027.14		
Radionuclides	Beta activity (PCI/L)	S01336	17NOV1994	934	REG	GRAB	1675.86		
Radionuclides	Beta activity (PCI/L)	S02903	21FEB1995	1000	REG	GRAB	1135.26		
Radionuclides	Beta activity (PCI/L)	S05337	17AUG1995	850	REG	GRAB	1189.32		
Radionuclides	Cobalt-60 (PCI/L)	S01270	03NOV1994	940	REG	GRAB	7.2981		
TDS/TSS	Dissolved Solids (UG/L)	S05626	14SEP1995	1005	REG	GRAB	2600000		
Radionuclides	Potassium-40 (PCI/L)	S05337	17AUG1995	850	REG	GRAB	1243.38		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00858	06OCT1994	1227	REG	GRAB	5.1357		
Radionuclides	Tritium (PCI/L)	S00857	06OCT1994	1238	REG	GRAB	2189430000		
Radionuclides	Tritium (PCI/L)	S01012	13OCT1994	1013	REG	GRAB	2703000000		
Radionuclides	Tritium (PCI/L)	S01083	20OCT1994	1320	REG	GRAB	3513900000		
Radionuclides	Tritium (PCI/L)	S01271	03NOV1994	945	REG	GRAB	3243600000		
Radionuclides	Tritium (PCI/L)	S01305	10NOV1994	1045	REG	GRAB	127041000000		
Radionuclides	Tritium (PCI/L)	S01337	17NOV1994	940	REG	GRAB	35139000000		
Radionuclides	Tritium (PCI/L)	S02043	19DEC1994	1034	REG	GRAB	40545000000		
Radionuclides	Tritium (PCI/L)	S02528	20JAN1995	1020	REG	GRAB	35139000000		
Radionuclides	Tritium (PCI/L)	S02904	21FEB1995	1002	REG	GRAB	40545000000		
Radionuclides	Tritium (PCI/L)	S03749	31MAR1995	942	REG	GRAB	54060000000		
Radionuclides	Tritium (PCI/L)	S05164	19JUL1995	853	REG	GRAB	43248000000		
Radionuclides	Tritium (PCI/L)	S05336	17AUG1995	851	REG	GRAB	973080000		
Radionuclides	Tritium (PCI/L)	S05621	14SEP1995	1017	REG	GRAB	56763000000		

----- Medium=Surface Water Station=TUM2UP ML_DESC=Tumulus 2 Underpad Drain -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Alpha activity (PCI/L)	S01088	20OCT1994	1237	REG	GRAB	9.1902		
Radionuclides	Beta activity (PCI/L)	S00871	06OCT1994	1344	REG	GRAB	14.5962		
Radionuclides	Beta activity (PCI/L)	S01022	13OCT1994	921	REG	GRAB	17.8398		
Radionuclides	Beta activity (PCI/L)	S01088	20OCT1994	1237	REG	GRAB	27.03		
Radionuclides	Beta activity (PCI/L)	S02905	21FEB1995	950	REG	GRAB	4.3248		
Radionuclides	Beta activity (PCI/L)	S04179	17MAY1995	935	REG	GRAB	8.109		
TDS/TSS	Dissolved Solids (UG/L)	S05627	14SEP1995	1001	REG	GRAB	1200000		
Radionuclides	Radioactive Strontium (Total) (PCI/L)	S00860	06OCT1994	1352	REG	GRAB	2.24349		
Radionuclides	Tritium (PCI/L)	S00859	06OCT1994	1356	REG	GRAB	29733000		
Radionuclides	Tritium (PCI/L)	S01018	13OCT1994	915	REG	GRAB	40545000		
Radionuclides	Tritium (PCI/L)	S01089	20OCT1994	1240	REG	GRAB	59466000		

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(continued)

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S02044	19DEC1994	1000	REG	GRAB	8109000		
Radionuclides	Tritium (PCI/L)	S02529	20JAN1995	1050	REG	GRAB	116229000		
Radionuclides	Tritium (PCI/L)	S02906	21FEB1995	952	REG	GRAB	7568400		
Radionuclides	Tritium (PCI/L)	S03750	31MAR1995	935	REG	GRAB	86496000		
Radionuclides	Tritium (PCI/L)	S04008	27APR1995	954	REG	GRAB	32436000		
Radionuclides	Tritium (PCI/L)	S04178	17MAY1995	937	REG	GRAB	11352600		
Radionuclides	Tritium (PCI/L)	S05161	19JUL1995	852	REG	GRAB	405450000		
Radionuclides	Tritium (PCI/L)	S05622	14SEP1995	1014	REG	GRAB	89199		

----- Medium=Surface Water Station=TUMCRCT ML_DESC=Tumulus Cap Run-Off Collection Trench -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Alpha activity (PCI/L)	S04010	27APR1995	847	REG	GRAB	1.8921		
Radionuclides	Beta activity (PCI/L)	S04010	27APR1995	847	REG	GRAB	17.2992		
Radionuclides	Beta activity (PCI/L)	S05631	14SEP1995	1054	REG	GRAB	13.2447		
TDS/TSS	Dissolved Solids (UG/L)	S04011	27APR1995	848	REG	GRAB	69000		
TDS/TSS	Dissolved Solids (UG/L)	S05636	14SEP1995	1057	REG	GRAB	90000		
TDS/TSS	Suspended Solids (UG/L)	S05636	14SEP1995	1057	REG	GRAB	13000		
Radionuclides	Tritium (PCI/L)	S01029	20OCT1994	1018	REG	GRAB	3513.9		
Radionuclides	Tritium (PCI/L)	S04009	27APR1995	847	REG	GRAB	3243.6		
Radionuclides	Tritium (PCI/L)	S05628	14SEP1995	1052	REG	GRAB	1892.1		

----- Medium=Surface Water Station=TUMCVLS ML_DESC=Tumulus Cap Vegetative Layer Subdrain -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Beta activity (PCI/L)	S04017	27APR1995	853	REG	GRAB	12.7041		
TDS/TSS	Dissolved Solids (UG/L)	S04018	27APR1995	854	REG	GRAB	289000		
TDS/TSS	Dissolved Solids (UG/L)	S05646	14SEP1995	1104	REG	GRAB	20000		
Radionuclides	Tritium (PCI/L)	S04014	27APR1995	851	REG	GRAB	4595.1		
Radionuclides	Tritium (PCI/L)	S05641	14SEP1995	1101	REG	GRAB	7568.4		

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Hit List Detail Report: October 1994 - September 1995
Waste Area Group (WAG) 6 Information Management System

----- Medium=Surface Water Station=TUMVB ML_DESC=Tumulus valve box -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Tritium (PCI/L)	S01030	20OCT1994	1005	REG	GRAB	2243490		
Radionuclides	Tritium (PCI/L)	S01340	17NOV1994	955	REG	GRAB	2432700		

----- Medium=Surface Water Station=WOC ML_DESC=Surface Water Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Strontium-90 (PCI/L)	S02340	24JAN1995	1257	REG	GRAB	229		
Radionuclides	Tritium (PCI/L)	S02339	24JAN1995	1255	REG	GRAB	210900		

----- Medium=Surface Water Station=WOD ML_DESC=Surface Water Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Organics-Volatiles	1,2-Dichloroethane (UG/L)	S02536	01FEB1995	925	REG	GRAB	0.62	J	J
Metals	Acetone (UG/L)	S02536	01FEB1995	925	REG	GRAB	4.9		
Metals	Acetone (UG/L)	S04163	31MAY1995	1237	REG	GRAB	2.3	J	J
Organics-Volatiles	Chloroform (UG/L)	S02090	28DEC1994	1040	REG	GRAB	0.51	J	J
Organics-Volatiles	Chloroform (UG/L)	S03345	29MAR1995	1033	REG	GRAB	0.65	J	J
Radionuclides	Strontium-90 (PCI/L)	S02342	24JAN1995	1010	REG	GRAB	255		
Organics-Volatiles	Trichloroethene (UG/L)	S03345	29MAR1995	1033	REG	GRAB	0.62	J	J
Radionuclides	Tritium (PCI/L)	S02341	24JAN1995	1000	REG	GRAB	216600		

----- Medium=Surface Water Station=WST ML_DESC=Surface Water Monitoring Location. -----

Class of Compound	Analyte (units)	Sample Id	Sample Date	Sample Time	Sample Type	Process	Raw result	Validation Qualifier	Lab Qualifier
Radionuclides	Strontium-90 (PCI/L)	S02344	24JAN1995	1237	REG	GRAB	139		
Radionuclides	Tritium (PCI/L)	S02343	24JAN1995	1235	REG	GRAB	16900		

Generated by program wag6rpt4 on 31MAY96 at 15:05 using dataset wag6v5_f.

Appendix B

**LETTER REPORT ON ^3H RELEASES
FROM THE ORNL WAG 6 TUMULUS FACILITY**

**Energy Systems Environmental Restoration Program
ORNL Environmental Restoration Program**

**LETTER REPORT ON TRITIUM RELEASES
FROM THE ORNL WAG 6 TUMULUS FACILITY**

Date Issued - March 1995

**Prepared by
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**Prepared for
U.S. Department of Energy
Office of Environmental Restoration and Waste Management
under budget and reporting code EW 20**

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under contract DE-AC05-85OR21400**

EXECUTIVE SUMMARY

This report was prepared to close out the Occurrence Report filed on October 5, 1994, in response to observations beginning July 20, 1994, of unexpectedly high activity concentrations of tritium in drains of the Oak Ridge National Laboratory (ORNL) Waste Area Grouping (WAG) 6 Tumulus Facility. The report addresses two main questions:

- Has the Tumulus Facility been out of regulatory compliance with respect to tritium releases to the environment?
- Does the potential exist for tritium releases in the future that exceed regulatory limits?

In the process of answering these questions, flow and concentration data from the Tumulus drains, Tumulus surface water monitoring points, and Tumulus groundwater monitoring wells are evaluated. The issues raised by the evaluation have important implications for the effectiveness of the WAG 6 Tumulus Facility, as well as the interim waste management facility (IWMF) and the proposed tumulus in west Bear Creek Valley.

A number of actions were taken in response to the tritium releases from the Tumulus Facility:

- The Tumulus monitoring strategy was revised. A four week program was initiated in which samples were collected at all surface and groundwater monitoring points associated with the Tumulus Facility and analyzed for tritium. This initial round of sampling is being followed up with more limited sampling for tritium in the Tumulus drain sumps and the main surface water drainage in the vicinity of the Tumulus Facility (the FB drainage).
- A Category III Occurrence Report was filed on October 5, 1994.
- Water from the Tumulus II pad drain is being collected and containerized to prevent its release to the environment.
- Tumulus drainages are being closely monitored to ascertain the cause of the tritium release.

The results of the evaluation in this report show that the tritium releases from the Tumulus Facility are not now, nor have they ever been, out of regulatory compliance. Activity concentrations of tritium in the Tumulus drains steadily increased beginning July 20, 1994, but, because flow from the facility decreased, the tritium flux from the facility has decreased. Flow from the Tumulus pad drains has steadily decreased since July 1994 even through several storm events. Hence, it is concluded that the Tumulus cap is probably effective and the water that was observed in the drains is water that was trapped during cap construction. Continued monitoring for pad drain discharge is necessary to verify this conclusion. Until the causes of the observed tritium releases are understood, it will not be possible to make a dependable prediction of the potential for future tritium releases.

1. INTRODUCTION

1.1 OVERVIEW

This report was prepared to close out the Occurrence Report filed on October 5, 1994 in response to observations of unexpectedly high activity concentrations of tritium in drains of the Oak Ridge National Laboratory (ORNL) Waste Area Grouping (WAG) 6 Tumulus Facility. In addition, this report will make recommendations and draw conclusions that bear on the effectiveness of tumulus technology, and thereby have implications for both the interim waste management facility (IWMF) and the proposed tumulus in west Bear Creek Valley.

The objective of this letter report is to answer two main questions:

- Has the Tumulus Facility been out of regulatory compliance with respect to tritium releases to the environment?
- Does the potential exist for tritium releases in the future that exceed regulatory limits?

In order to answer these questions, the report begins with a general description of the Tumulus Facility (Section 1.1) and presents a conceptual model that describes expected contaminant release and hydrologic conditions there (Section 1.2). It then describes the history of tritium observations at the facility (Section 2.0) and in surface and groundwater (Section 3.0) in the vicinity of the facility. The report then presents conclusions about the observed tritium releases and recommendations for monitoring the facility and other actions in the near future (Section 4.0). Finally, lessons learned in the past six months are presented (Section 5.0).

In summary, this report shows that tritium releases from the Tumulus Facility are below the Environmental Protection Agency's Reportable Quantity (RQ) listed in 40 CFR § 302.4, Appendix B. The RQ for tritium is 100 Ci in a 24 hour period. Tritium releases off-site across the gaged station on the FB drainage (the drainage into which the Tumulus drains are discharged, see Fig. 1.1) are historically less than 1 Ci/day. Recent data collected as part of the WAG 6 environmental monitoring program indicate that this continued to be the case in July and August 1994 when the tritium was first detected in the Tumulus drains. Available data have not been evaluated sufficiently to determine if a single flux value can be calculated that represents tritium flux from the drain lines; however, even worst case estimates are almost two orders of magnitude lower than the RQ.

Insufficient data exist to evaluate the potential for future tritium releases from the Tumulus Facility that exceed regulatory limits. This question can only be answered with continued monitoring. However, the data that exist indicate that flow from the facility pad drains is decreasing. This is interpreted to indicate that the large water volumes that were observed during the summer and fall of 1994 were produced by dewatering of the facility.

1.1 PHYSICAL DESCRIPTION OF THE TUMULUS FACILITY

The Tumulus Facility was constructed at WAG 6 (Fig. 1.1) of ORNL as part of the Tumulus Disposal Demonstration Project (TDDP), an alternative technology for disposal of solid, low-level radioactive waste (LLRW). The TDDP was initiated under the Low Level Waste Disposal Development Demonstration (LLWDDD) program. Tumulus technology involves placement of containerized LLRW

into rectangular concrete vaults. Once filled with containerized waste, each vault's void spaces are grouted and a concrete cover (lid) is placed on the vault. The vaults are stacked on a concrete pad that rests on a gravel, sand, and geotextile drainage system. The underpad drain is designed to keep groundwater levels below the pad, thereby isolating the vaults from the groundwater system. When the concrete pad is loaded to capacity with vaults, a plastic raincover is placed over the vaults and then the pad and vaults are covered with an engineered multi-layered cap that is designed to prevent precipitation from coming into contact with the vaults. The multi-layered cap includes a low permeability clay layer as well as a geomembrane layer. Drainage systems drain the cap, pad, and underpad and route infiltrated water away from the vaults. These drainage systems also allow monitoring of discharges from the facility. For example, at the WAG 6 Tumulus Facility the pad and underpad drain lines empty into sumps in the Tumulus Facility monitoring shed. The sumps are equipped with pumps that automatically measure water volume when water is pumped from the sumps.

The Tumulus Facility at WAG 6 consists of two structures, designated Tumulus I and Tumulus II, covered by a common cap. Loading of waste vaults on the Tumulus I pad began in June 1987; the pad was filled to capacity by May 1990. Following loading, Tumulus I was covered with a temporary cover to prevent precipitation from reaching the waste vaults. However, precipitation was able to reach the Tumulus I pad on occasion as a result of cover damage and removal of the temporary cover to install a more efficient one over both pads. Loading of the Tumulus II pad began in October 1990 and the pad was fully loaded by late 1991. Tumulus II was uncovered during this time period and exposed to precipitation. Beginning in mid-January 1992 and until the spring of 1994 the vaults and pads of both Tumulus I and Tumulus II were covered by temporary, tent-like structures that completely covered the pads above and on both sides (RUBB buildings) to prevent rainwater from falling directly on the vaults. The RUBB buildings remained in place until February 1994 when dismantling began. This task was completed in March 1994. The RUBB buildings were replaced by an interim plastic raincover laid directly over the vaults so that construction of the permanent cap could begin. In July 1994, when the point in cap construction was reached that the vaults were to be covered by the multi-layer cap, the interim raincover was removed from the Tumulus I vaults but left intact on the Tumulus II vaults. Construction of the cap was complete on January 11, 1995. Figure 1.2 presents a chronology of events pertaining to this report.

In response to the anticipated completion of the Tumulus Facility, the Tumulus Environmental Monitoring Plan (TEMP) [Martin Marietta Energy Systems, Inc. (Energy Systems) 1994a] was issued in July 1994. The TEMP includes a detailed physical description of the facility, expected contaminant release and hydrologic isolation conditions at the facility, a strategy for monitoring these conditions, and response actions if deviations from the expected conditions are observed.

1.2 CONCEPTUAL MODEL

As part of research operations at ORNL, hazardous and LLRW have been produced and disposed of for ~45 years. WAG 6, which has received waste since 1969, consists of three solid waste management units: Solid Waste Storage Area (SWSA) 6, the Emergency Waste Basin (EWB), and the Explosives Detonation Trench. The Tumulus Facility is located within SWSA 6.

1.2.1 WAG 6 Hydrology

Key aspects of WAG 6 hydrology that are germane to tritium releases from the Tumulus Facility are:

Figure 1.2 Timeline of events important for evaluating tritium releases from the Tumulus Facility.

- Nearly all water leaving WAG 6 is through surface water drainages.
- On the hillslopes, lateral, shallow-subsurface flow (depth < 1m) accounts for most subsurface flow off the WAG.
- Lateral shallow groundwater flow in the perennial water table accounts for nearly all of the remaining subsurface water flow.
- Subsurface water discharges directly to the surface, or indirectly via seeps and springs.
- Groundwater moves through discrete flow paths corresponding to fractures and small-scale solution cavities; therefore contaminant pathways often appear as spokes and not plumes.
- In the vicinity of the Tumulus Facility, groundwater flow is from northeast to southwest and the water table is shallow such that the FB drainage to the west of the Tumulus Facility is a gaining stream (Fig. 1.3).

1.2.2 Tumulus Facility Site Conditions

Wastes disposed at the Tumulus Facility are solid, dry LLRW, consisting of contaminated laboratory glassware and equipment, research wastes, construction piping materials, and mechanical equipment. The surface dose rate of the waste containers placed in the Tumulus Facility is <200 mrem/hr.

The Tumulus Facility was constructed with certain expectations regarding hydrology and contaminant releases. A detailed presentation of the expected site conditions at the Tumulus Facility can be found in the TEMP. The key points are presented below:

- There will be high levels of surface runoff from the cap during the wet season.
- Precipitation will infiltrate the cap through the uppermost, vegetative cap layer only.
- There will be negligible drainage from the pads.
- Drainage that exceeds 870 L/month (230 gal/month) will be indicative of cap leakage.
- Drainage from the underpads is expected only during wet weather and/or high water table conditions.
- Ambient levels of WAG 6 contaminants should be seen in cap runoff, cap infiltration drainage, and underpad drainage.
- No contaminants will be released from the vaults or subsequently detected in the pad drains.

1.2.3 Tritium Behavior in the Environment

Understanding the behavior of tritium in the environment is critical to understanding the tritium releases from the Tumulus Facility. To date, only minimal work has been done to understand how

tritium behaves. Following is a brief summary of what is known about tritium's behavior.

Tritium is a radioactive isotope of hydrogen with a mass number of 3 and a half-life of 12.35 years. Tritium behavior in the environment is similar to that of protium (hydrogen with mass number of 1) and deuterium (hydrogen with mass number of 2), the other isotopes of hydrogen. In fact, tritium transport and cycling in the environment can be inferred by the cycling of hydrogen and its compounds (Murphy 1993). Just as water is the most abundant and mobile hydrogen compound, tritiated water is the most abundant chemical form of tritium. Because tritium atoms are three times heavier than hydrogen, the diffusion rates and chemical reaction rates of tritium compounds are relatively slower than for hydrogen compounds (Okada and Momoshima 1993). The vapor pressure of tritiated water is approximately 90% that of natural water (Jacobs 1968) and the molecular diffusion coefficient of tritiated water is 5% less than that of natural water. Tritium vaporizes more readily in conditions of low humidity. Although tritium partitions between compartments in a system (e.g., vaporization from water to air), radioactive decay is the only transformation that results in removal of tritium from a system.

2. TRITIUM RELEASES FROM THE TUMULUS FACILITY

2.1 TUMULUS FACILITY MONITORING AND RESPONSE ACTIONS TO DATE

Monitoring of the Tumulus Facility prior to July 1993 was performed by the Active Sites Environmental Monitoring Program (ASEMP). In 1993, Energy Systems Environmental Restoration (ER) Program took over monitoring responsibilities at the facility. Monitoring tasks involve collecting samples from the pad and underpad drains, adjacent surface water monitoring points, and nearby groundwater monitoring wells.

The high levels of tritium that prompted the Occurrence Report were observed in samples collected for ER on July 20, 1994. The results from analysis of all drain samples collected between July 20, 1994 and November 17, 1994 are presented in Table 1.1.

The following actions have been taken in response to the tritium releases from the Tumulus drains. These actions are based upon the decision rules stated in the TEMP.

- The Tumulus monitoring strategy has been revised and a focused monitoring strategy instituted. During October and November 1994 samples were collected weekly from the Tumulus Facility pad and underpad drains and from the FB weir and analyzed for tritium.
- A Category III Occurrence Report was filed on October 5, 1994.
- Water from the Tumulus Facility drain sumps is being collected and containerized.

As described below, the results of the focused monitoring program show that the activity concentrations of tritium in all drain samples generally continue to increase. However, the flux of tritium has decreased by several orders of magnitude because the volume of water being released has decreased. Because all water being released from the Tumulus Facility is being collected, no tritium from the facility is being released to the environment. Prior to the present collection and containerization activities, the tritium flux from the Tumulus Facility made a negligible contribution to the total flux of tritium across the WAG 6 boundary.

Table 1.1 Tritium activity concentrations in Tumulus drains (pCi/L).

Date	Tumulus I Pad	Tumulus I Underpad	Tumulus II Pad	Tumulus II Underpad
05/10/90				3,243
07/12/90				730
07/16/90		1,189		
05/28/91		1,865	227,027	
06/03/91			297,297	
06/17/91			486,486	
06/21/91	45,946		213,514	
06/24/91	56,757	1,622	567,568	121,622
06/25/91			197,297	
06/27/91	45,946		729,730	
07/02/91	26,757	4,324	235,135	97,297
07/05/91	24,054	4,324	1,810,811	121,622
07/19/91			1,702,703	
07/26/91	62,162		121,622	
08/06/91	67,568		48,649	
08/09/91	81,081		16,486	
08/12/91	70,270		29,730	
08/15/91	67,568		48,649	
08/20/91	67,568		22,703	
08/26/91	70,270		7,297	
08/30/91	72,973		40,541	
09/12/91	81,081		62,162	
09/19/91	27,027		83,784	
10/16/91	6,757	8,108	20,811	83,784
11/06/91	0		0	
11/11/91	45,946		70,270	
11/21/91	3,243		45,946	
12/02/91	6,486	4,324	7,838	513,514
12/11/91	18,649		32,432	
12/23/91	16,757		0	
12/30/91	14,054		21,892	
01/03/92	1,081		7,297	
01/13/92	24,324			
10/28/92		8,919		5,675,676

Table 1.1 (cont).

Date	Tumulus I Pad	Tumulus I Underpad	Tumulus II Pad	Tumulus II Underpad
03/04/93		15,946		9,459,459
07/15/93		12,703		2,702,703
07/20/94	2,359,800		297,000,000	3,780,000
09/23/94	3,510,000	972,000	567,000,000	6,480,000
09/29/94	3,240,000	972,000	567,000,000	6,480,000
10/06/94	32,400,000	11,610,000	2,187,000,000	29,700,000
10/13/94	32,400,000	32,400,000	2,700,000,000	40,500,000
10/20/94	48,600,000	27,000,000	3,510,000,000	59,400,000
10/27/94	62,100,000			
11/03/94	89,100,000	6,210,000	32,400,000,000	
11/10/94	72,900,000	7,290,000	126,900,000,000	
11/17/94	70,200,000	8,100,000	35,100,000,000	

2.2 TRITIUM OBSERVATIONS IN TUMULUS FACILITY DRAIN LINES

2.2.1 Historical Observations

Samples collected by ASEMP through 1991 showed variable concentrations of tritium in the pad drain sumps of both Tumulus I and Tumulus II. Fig. 2.1 presents historical tritium activity concentrations for the Tumulus Facility drains. The greatest tritium activity concentration observed during this time period was in the Tumulus II pad drain sump; the Tumulus I pad sump ranged from less than detection limit to 8.1×10^4 pCi/L and the Tumulus II pad sump ranged from 7.3×10^3 pCi/L to 1.8×10^6 pCi/L. The relatively high activity concentrations of tritium in the Tumulus II pad drain sump were attributed to a tritium-bearing vault that was in contact with water that had accumulated on the pad while Tumulus II was uncovered during loading. In July 1991, the waste vault suspected as being the source of the high tritium was relocated to an area of Tumulus II where it would no longer be in contact with the accumulated water and tritium levels dropped dramatically (Fig. 2.1). At about the same time, the Tumulus Facility pad drains were closed in response to observations of high pH and high gross beta and tritium activities in water draining off the pads. A result of closing the pad drains was that samples could no longer be collected from the pad drain sumps so, until January 1992, all pad water samples were collected directly from the pads when standing water was observed. In mid-January 1992 completion of the RUBB buildings prevented water from reaching the pads.

Figure 2.1 Tritium activity concentrations in Tumulus drains since 1990.

2.2.2 Current Observations

Tumulus Facility pad drain monitoring by ER resumed on July 20, 1994 after completion of new collection sumps and placement of structural fill around the Tumulus vaults. Water volumes exceeding

those of the expected site conditions were found in both pad drain sumps (Fig. 2.2) and high tritium activity concentrations were detected in all pad and underpad drain sumps (Table 1.1 and Fig. 2.1). Comparison of these data to historical tritium activity concentrations is complicated by the fact that, since mid-1991 when the pad drains were temporarily closed (Fig. 1.2), samples were not collected from the pad drain sumps but were collected directly from standing water on the pads. Because of differences in collection methods, the current data probably are not directly comparable to data for samples collected directly from the pads. However, sample collection from the underpad drain sumps was uninterrupted during this period time (Fig. 1.2). Comparison of the data show that tritium activity concentrations in the Tumulus I underpad drain sumps were higher than had been recorded previously and, in the Tumulus II underpad drain sumps, they were lower (Fig. 2.1).

Figure 2.2 Average monthly discharge volumes from Tumulus drains since 1994.

The high tritium activity concentrations and large water volumes that were observed in the pad drain sumps during the July 20, 1994 monitoring event prompted a round of confirmatory sampling. Because results from analysis of the July 20 sampling did not become available until September, the confirmatory sampling did not take place until September 23, 1994. The results of the confirmatory sampling event showed even higher tritium activity concentrations in all of the drain sumps (Table 1.1 and Fig. 2.1). In response to this, a focused monitoring strategy was instituted at the drain sumps and water from the sumps was no longer released to the environment; instead, it was pumped directly into a large plastic holding tank. Visual inspection of the holding tank at one point indicated an unexpected decrease in the tank's water level. No reason has been identified for this decrease. In addition, on October 28, 1994, 1 L collection bottles were installed at the mouths of the drains pipes so that water could be collected and measured directly. This collection system was installed because previously water would accumulate in the drain sumps until it reached a certain level at which time it was pumped and its volume measured. Thus, it was not possible to directly correlate water discharge volumes with discrete points in time. Instead, water volumes had to be estimated in order to correlate them with water analyses

or storm events.

The focused monitoring routine revealed a general trend of increasing tritium in all drain samples (Fig. 2.1). The levels of tritium found in the Tumulus II pad drain exceed those from the other drains. This is consistent with the earlier history of the Tumulus Facility in which high tritium activity concentrations had been attributed to a tritium-bearing waste vault sitting in standing water. Historically, tritium in samples from the Tumulus II underpad also have been high, invariably exceeding those in both the Tumulus I pad and underpad drains anytime samples were taken concurrently. When compared to tritium activity concentrations in the Tumulus II pad samples, tritium activity concentrations in the Tumulus II underpad samples display no apparent relationship prior to the July 20, 1994 sampling event. Beginning with the July 20, 1994 sampling event, tritium activity concentrations in the Tumulus II pad and underpad samples are strongly correlated ($r^2 = 0.987$, Fig. 2.3). This observation may indicate that, since the multi-layered cap was installed, there has been cross contamination between the Tumulus II pad and underpad drainages. No other pairings of data from any of the drains are correlated.

Figure 2.3 Relationship between tritium activity concentrations in the Tumulus II pad and underpad drains beginning July 20, 1994.

Although tritium activity concentrations generally increased throughout the focused monitoring program, flow from the drains generally decreased (Fig. 2.2). Flow from the Tumulus II pad has nearly stopped, consistent with the Tumulus Facility expected site conditions, but flow from the Tumulus I pad, though generally decreasing, continues at volumes that exceed the acceptable limit stated in the TEMP. The importance of decreasing flow is that, although activity concentrations were highest in November 1994, the flux of tritium to the sumps was at its lowest. For example, the highest activity concentrations in the Tumulus I and II pad drains occurred on November 17 and November 10, respectively (Table 1.1). The flow volumes associated with these measurements are 1 L and 700 mL, respectively. These data

correspond to fluxes of 6×10^{-6} and 9×10^{-2} Ci/wk, respectively. These fluxes are not released to the environment, instead they are being collected and containerized. Decreasing flow from the Tumulus pad drains is interpreted to indicate that the high flow volumes that had been observed beginning with the July 20, 1994 sampling event represented expulsion of water trapped within the facility during cap construction (i.e., dewatering).

In summary, the salient points of historic and current monitoring efforts are:

- A leaky, tritium-bearing vault is stored in Tumulus II.
- ER monitoring of the Tumulus Facility on July 20, 1994 showed unexpected high water volumes and tritium activity concentrations in the facility drain sumps. The Tumulus II pad discharged the highest levels of tritium.
- Subsequent to July 20, 1994, focused monitoring showed that tritium activity concentrations generally tended to increase. The Tumulus II pad continued to discharge the highest tritium levels.
- The focused monitoring showed that water volumes being discharged from the Tumulus pad drains decreased over time but the method employed for monitoring water volumes precluded exact quantification.
- Tritium activity concentrations in the Tumulus II pad and underpad drains displayed an excellent correlation during the period of focused monitoring.
- The observed high tritium activity concentrations in the Tumulus drains prompted the discharges to be collected and containerized to prevent them from being released to the environment.

3. TRITIUM OBSERVATIONS IN SURROUNDING ENVIRONS

Movement of tritium in the environment is closely tied to movement of water. Therefore, in order to understand the extent to which tritium from the Tumulus Facility has influenced the surrounding environs, it is necessary to evaluate tritium data from surrounding surface and groundwater monitoring locations.

3.1 SURFACE WATER

The Tumulus Facility is located directly east of a primary WAG 6 surface water drainage. Historically, this drainage, the FB drainage (Fig. 1.1), has been the major surface water contributor to off-WAG tritium releases (Energy Systems 1994a). FB is monitored by a gaged station located just upstream of the confluence of the FB drainage with the FA drainage (Fig. 1.1) that drains the western side of the WAG. Tritium concentrations routinely measured at the gaged station on FB are in the millions of picocuries per liter.

Both historical and recently collected surface water data were evaluated to help understand if tritium is being released from the Tumulus Facility to the environment or if the elevated tritium levels observed in the drain sumps could have originated from a source external to the Tumulus Facility. Fig.

3.1 compares tritium data collected in 1992 at the FB gaged station to FB tritium data collected in 1994. The 1994 FB data include samples collected during the focused monitoring. Fig. 3.1 shows that tritium activity concentrations in FB samples fluctuate randomly with no apparent spike that corresponds to the Tumulus tritium releases that were first noted with the July 20, 1994 sampling event.

Figure 3.1 Tritium activity concentrations measured at the FB gage station.

Contaminant concentrations in surface water fluctuate with flow rate mainly as a result of dilution; therefore, it is important to consider flow when comparing concentration data. Energy Systems (1994 b) established a relationship between contaminant concentration (C) and volumetric flow rate (Q) for the FB drainage (Fig. 3.2). Tritium data for four FB grab samples collected since April 1994 were log-transformed and plotted on Fig. 3.2 in order to compare them to the historical data. The four data points for the recent grab samples fall in line with the historical data. Because the recent data are grab samples that likely reflect baseflow, or close to baseflow conditions (i.e., minimal dilution), it is predictable that they plot in the range of higher concentrations on Fig. 3.2.

The question of tritium migrating from the Tumulus Facility to the environment was also evaluated by considering surface water tritium data collected along the course of the FB drainage. Surface water samples were collected in the drainage adjacent to, upstream, and downstream of the facility on October 20, 1994 (Fig. 3.3). Results of this effort, as shown on Fig. 3.3 and Table 3.1, show no increases in tritium levels from upstream to downstream sampling points as would be expected if water with tritium activity concentrations on the order of what was observed in the Tumulus II pad sump were entering the drainage.

Figure 3.2 C vs. Q plot for the FB drainage comparing recent 1994 data to historical data.

Table 3.1 Tritium surface water sample results in the Tumulus vicinity, October 20, 1994

Sample Location	Tritium Concentration (pCi/L)
FB1	3,510,000
FB2	3,240,000
FB3	3,240,000
FB (gage station)	3,240,000
FB1SP (seep)	1,782,000
SFD (South French Drain)	5,670,000

In fact, concentrations in the drainage were slightly higher at FB1, upstream of the Tumulus Facility, then decreased at FB2 and remained constant around 3.2×10^6 pCi/L along the FB drainage to the FB gaged monitoring station. One groundwater seep, FB1SP, was found between the Tumulus Facility and the FB drainage. Tritium activity concentrations in the seep water on October 20, 1994 (Table 3.1) were over three orders of magnitude less than in the Tumulus II pad drainage on the same date (Table 1.1), strongly suggesting that tritium-contaminated water from the Tumulus II Pad was not flowing directly to surface water. Instead, tritium levels in the FB1SP seep water on October 20, 1994 can be accommodated by a mixture of 51 % surface water with the composition observed upstream at the

FB1 sampling location (Table 3.1) and 49 % groundwater of the composition observed in well 1254 during the October 1994 monitoring event (Table 3.2). In addition, the relatively low tritium levels in water entering the FB drainage from the FB1SP seep could be responsible for lowering the FB drainage tritium levels between FB1 and FB2. This could be accomplished by a mixture of 84 % FB1 water with 16 % FB1SP seep water.

Table 3.2 Tritium activity concentrations in Tumulus groundwater monitoring wells (pCi/L).

Date	1036	1037	1039	1254	1257	1258
Jun-87	838	1,703	2,189			
Aug-87	486	973	1,595			
Dec-87	1,216	1,811	2,432			
Mar-88	1,459	1,189	1,973			
Jun-88	1,541	1,243	1,757			
Sep-88	10,000	730	1,486			
Jan-89	48,649	1,081	2,189			
Mar-89	97,297	676	5,946			
Jun-89	156,757	1,297	11,351			
Sep-89	168,919	1,973	10,000			
Dec-89	154,054	1,514	10,541			
May-90	227,027	1,622	17,568			
Jun-90	216,216	1,811	16,216	703	5,135	7,297
Mar-91	270,270	1,730	7,838	595	4,054	5,405
Jul-91	297,297	11,081	10,811	676	4,324	4,595
Sep-91	297,297	12,703	4,595	1,081	4,324	3,514
Jan-92	378,378	151,351	8,649	0	3,514	8,649
Apr-92	378,378	72,973	12,432	0	4,324	13,784
Jul-92	378,378	62,162	32,432	243	4,595	18,649
Oct-92	432,432	513,514	51,351	405,405	15,676	29,730
Dec-92	405,405	59,459	56,757	541	5,405	22,162
Sep-94	459,000		156,600	918		29,700
Oct-94	432,000			1,458	5,400	32,400

Sources: Ashwood et al. (1992) and Morrissey et al. (1992).

3.2 GROUNDWATER

Groundwater quality around the Tumulus Facility is also an important indicator of contaminant releases from the Tumulus Facility because the conceptual model indicates that shallow groundwater may be at the level of the facility underpads. A number of monitoring wells in the vicinity of the facility were designated in the TEMP as Tumulus monitoring wells. These wells were installed and maintained by

ASEMP until turned over to ER and remain integral parts of the ASEMP program. Fig. 1.3 shows the locations of these wells plus their water level data for October 4, 1994, and the inferred groundwater flow directions. Wells 1036, 1037, and 1039 monitor the groundwater around Tumulus I and wells 1254, 1257, and 1258 monitor the groundwater around Tumulus II. Data for tritium activity concentrations in the Tumulus groundwater monitoring wells since 1987 are presented in Table 3.2. In addition to the monitoring wells, samples were collected at the mouth of the south french drain (SFD). The SFD drains the shallow groundwater from a known tritium source area to the north of the Tumulus Facility. Discharge from the SFD is leaking into the environment and the SFD is thought to be a source of tritium in downgradient groundwater. The tritium activity concentration in the SFD on October 20, 1994 is presented in Fig. 3.3 and Table 3.1.

Figure 3.4 Tritium activity concentrations in samples collected from Tumulus groundwater monitoring wells.

Between June 1987 and June 1988, tritium activity concentrations in the Tumulus I monitoring wells remain relatively low and constant. Beginning in September 1988, tritium in monitoring well 1036 began to increase (Fig. 3.4). Well 1036 is an upgradient well indicating an upgradient source of tritium. The source for tritium in well 1036 is likely the SFD itself or the same source as for the tritium observed in the SFD. The increasing tritium levels in well 1036 were followed later by increases in the other Tumulus I monitoring wells indicating that the tritium groundwater plume was spreading downgradient. An important conclusion for this report is that the trend of increasing tritium activity concentrations in the Tumulus I monitoring wells is attributable to a source other than the Tumulus Facility. Additionally, the groundwater tritium activity concentrations around Tumulus I are small compared to those observed in the Tumulus Facility drains (Fig. 3.4); therefore, the high tritium levels in the Tumulus drains cannot be attributed to encroachment by tritium-contaminated groundwater. The high tritium activity concentrations in the SFD compared to the groundwater monitoring wells (Fig. 3.4) arise as a result of

dilution of the tritium-contaminated water being discharged from the SFD.

Tumulus II monitoring wells also have low tritium levels (Table 3.2). However, tritium in well 1258 increases beginning with the April 1992 sampling event (Fig. 3.4). Well 1258 is also an upgradient well, and the tritium observed in it is from the same plume as the one contaminating well 1036. The other Tumulus II monitoring wells remain at relatively constant tritium levels through 1992 except for two perturbations which, given the magnitude of the increases, probably reflect analytical error.

No groundwater quality samples were analyzed for tritium between December 1992 and September 1992 (Table 3.2). Two monitoring well sampling events have occurred in 1994 beginning in September. The results of these two events show that tritium data for well 1036 are nearly the same as during the previous sampling event in December 1992. Tritium in well 1039 increases sharply indicating spreading of the upgradient tritium plume. Tritium levels in wells 1254 and 1257 remain constant, and well 1258 increases slightly over the same time period indicating that these wells are screened on the fringes of the upgradient plume at best. In general, given that the tritium levels in groundwater are too low to account for the high tritium in the Tumulus Facility drains by contamination and given that SFD is probably an upgradient source of tritium in Tumulus monitoring wells, the Tumulus Facility is not contributing to elevated tritium levels in groundwater.

4. CONCLUSIONS AND RECOMMENDATIONS

On the basis of the foregoing discussions, the following answers are presented to the two questions posed in Section 1.0:

- Based on measurements made on samples collected at the FB weir and in groundwater monitoring wells, the Tumulus Facility has not been, nor is now, out of regulatory compliance with regard to tritium releases to the environment. In addition, the body of evidence indicates that the high levels of tritium observed in the Tumulus drains did not noticeably affect the ambient levels of tritium in the WAG 6 environment.
 - The Tumulus drainage system appears to be effective at isolating Tumulus leachate from the groundwater. Groundwater is not a contributor to the contamination in the drain sumps nor has it been impacted by the releases from the pads.
 - There is no direct connection between the Tumulus and the FB drainage except for the point of discharge from the monitoring shed. Because releases from the shed are being captured, there does not appear to be an on-going release from the Tumulus to the surrounding environment.
 - It has been estimated that 48 Ci of tritium exited WAG 6 via the FB drainage in 1992 (DOE 1994b), and that approximately 1940 Ci flowed over White Oak Dam in the same year. The November 10, 1994 data for Tumulus II pad drain indicate a flux of 0.089 Ci/week or 4.6 Ci/yr. However, with the present collection and containerization, no tritium is being released to the environment from the Tumulus Facility.
- Tritium flux from the Tumulus drains has decreased markedly with decreasing flow from the drains since July 20, 1994. However, the Tumulus I pad drain continues to discharge water in excess of what was deemed acceptable in the TEMP and tritium continues to be available to

drainage from the underpads. Hence, it remains uncertain whether the potential exists for tritium releases in the future that exceed regulatory limits.

In addition to the above, other conclusions can be drawn from the preceding discussions:

- The high water volumes observed in the pad drain sumps beginning on July 20, 1994 were transient phenomena and were likely the result of dewatering of the Tumulus cap.
- It appears that the Tumulus II pad is the primary source of the tritium detected in the sumps. Tritium activity concentrations in the surrounding environment are several orders of magnitude lower than the levels detected in the Tumulus II Pad sump. Tumulus I also appears to be releasing lesser amounts of tritium. It is possible that cross contamination, perhaps at the drain sumps, may be causing the contamination in the Tumulus I pad and underpad and the Tumulus II underpad sumps, however there are no data that unequivocally verify this.
- Several uncertainties remain in the understanding of the contamination release situation at the Tumulus Facility, including:
 - Unexpected high volumes of water continue to be discharged from the Tumulus I pad. During a recent storm event (December 19, 1994), water flowed from the Tumulus I pad drain within several hours of the storm. This brings into the question the effectiveness of the cap at preventing rainwater infiltration to the Tumulus I pad.
 - The integrity of the drain lines is unknown. The high volumes of water that continue to be discharged from the Tumulus I pad drain, as well as the correlation between the Tumulus II pad and underpad tritium activity concentrations, could have resulted from leaks in the drain lines.
 - Tritium has been detected in the monitoring shed valve box (2.4×10^6 pCi/L). The source of this contamination is unknown.
 - There has been visual observation that the water level in the holding tank has decreased. The reason of this decrease is being investigated.
 - The mechanism for tritium mobilization remains unknown. Reasons for this include insufficient understanding of the waste inventory and of the behavior of tritium in the environment.

Based on the preliminary analysis of available information presented in this report, the following recommendations are made:

- Monitoring for tritium in the drain sumps should occur on a monthly basis over the next year. The proposed monitoring frequency for the pad and underpad drains presented in the TEMP is quarterly. This proposed frequency is based on the assumption that little to no water would be present in the sumps. Additional analytes listed in Table 5 of the TEMP should continue to be analyzed on a quarterly basis.
- The WAG 6 technical team should re-evaluate methods for collecting flow data directly from the

individual Tumulus drain lines. Flow data need to be collected that can be used in conjunction with analytical data to calculate tritium fluxes from each of the pads and underpads. In addition, accurate flow data are essential to evaluating the effectiveness of the cap over Tumulus I.

- The conceptual design model for the Tumulus did not predict the recent tritium occurrences. Several aspects of the conceptual model should be investigated, including assumptions pertaining to water balance at the site, subsurface hydrologic isolation, waste forms in the casks, permeability of the cask and pad materials, and various other design parameters, such as drain line integrity.
- Because of the physical characteristics of tritium, mainly its extreme mobility, the tumulus technology should be re-evaluated as an effective technology for storage of wastes containing tritium. The behavior of tritium in the environment should be investigated with a view toward better means of storing and disposing of it.

5. LESSONS LEARNED

The following lessons have been learned from evaluating the tritium occurrences at the Tumulus Facility:

- Prior to placing the final cap over the tumulus vaults, a field walkover should be conducted to identify any potential problems that may have occurred during the operational period of the Tumulus. This effort should include a detailed cask inspection to verify cask integrity.
- Well organized sampling should occur prior to closure of a Tumulus. Data gaps occurred in Tumulus monitoring prior to and during placement of the cap. These gaps prevent a complete understanding of the timing of the tritium release.
- The transfer of a site from the Waste Management Organization to the Environmental Restoration Program must be conducted consistent with specific procedures. Energy Systems Environmental Restoration has recently developed a Site Acceptance Procedure to address this issue.

REFERENCES

Ashwood, T.L., D.S. Hicks, and C.M. Morrissey (1992) *Active Sites Environmental Monitoring Program: FY 1991 Report*. ORNL/M-1792, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Energy Systems (1994 a) *Tumulus Environmental Plan for the Tumulus Demonstration Disposal Project at Oak Ridge National Laboratory, Oak Ridge, Tennessee*, ORNL-ER-255, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Energy Systems (1994 b) *An Approach to the Annual Report, Waste Area Grouping 6, Oak Ridge National Laboratory, Oak Ridge, Tennessee*.

Jacobs, D.G. (1968) *Sources of Tritium and Its Behavior Upon Release to the Environment*, Oak Ridge, Tennessee: United States Atomic Energy Commission.

Morrissey, C.M., T.L. Ashwood, and D.S. Hicks 1992. *Active Sites Environmental Monitoring Program: FY 1992 Report*. ORNL/M-3183, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Murphy, C.E. (1993) Tritium transport and cycling, Health Physics 65 (6): 683-697.

Okada, S., and N. Momoshima (1993) Overview of Tritium: Characteristics, Sources and Problems. Health Physics 65 (6): 595-609.

Pridmore, D.J. (1992) Unpublished data.

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