Quarterly Report on the Use of the Purge Water Management System at Savannah River Site

by

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United States Department of Energy

Savannah River Site

**Quarterly Report on the Use of the
Purge Water Management System (PWMS)
at Savannah River Site (U)**

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November 1999

**Westinghouse Savannah River Company LLC
Savannah River Site
Aiken, South Carolina 29808**

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TABLE OF CONTENTS

LIST OF FIGURES	ii
LIST OF TABLES	ii
LIST OF ACRONYMS AND ABBREVIATIONS	iii
EXECUTIVE SUMMARY	1
INTRODUCTION	2
METHODOLOGY	4
RESULTS	10
CONCLUSIONS	24
REFERENCES	26
APPENDIX A	
APPENDIX B	

LIST OF FIGURES

Figure 1. Schematic drawing of the PWMS	3
Figure 2. Location of wells ABP-1A, ABP-4, and ARP-3 at the Savannah River Site	5
Figure 3. Location of well BGO-33C at the Savannah River Site	6
Figure 4. Plots of concentrations and activities of analytes collected at well ABP-1A by the PWMS compared to the standard collection program	11
Figure 5. Plots of concentrations and activities of analytes collected at well ABP-4 by the PWMS compared to the standard collection program	12
Figure 6. Plots of concentrations and activities of analytes collected at well ARP-3 by the PWMS compared to the standard collection program	13
Figure 7. Plots of concentrations and activities of analytes collected at well BGO-33C by the PWMS compared to the standard collection program	14
Figure 8. Plot of tritium activities collected at well BGO-33C by the PWMS compared to the standard collection program	15

LIST OF TABLES

Table 1. Schedule of sampling events at PWMS wells	4
Table 2. Data codes used in the well sample analysis results	10
Table 3. PWMS sample results for ABP-1A	18
Table 4. PWMS sample results for ABP-4	19
Table 5. PWMS sample results for ARP-3	20
Table 6. PWMS sample results for BGO-33C	21
Table 7. Concentrations of copper, lead, and zinc in selected SRS wells	23

LIST OF ACRONYMS AND ABBREVIATIONS

°C	degrees Centigrade
gal	gallons
gpm	gallons per minute
GSA	General Separations Area
mg/L	milligrams per liter
µg/L	micrograms per liter
NTU	nephelometric turbidity units
pCi/L	picoCuries per liter
pCi/mL	picoCuries per milliliter
PWMS	Purge Water Management System
SRS	Savannah River Site

EXECUTIVE SUMMARY

The PWMS is a "closed-loop," non-contact system used to collect and return purge water to the originating aquifer after a sampling event without significantly altering the water quality. One of the primary concerns as to its applicability at SRS, and elsewhere, is whether the PWMS might resample groundwater that is returned to the aquifer during the previous sampling event.

The purpose of this quarterly report is to compare groundwater chemical analysis data collected at the four test wells using the PWMS against historical data collected using the standard monitoring well sampling methodology and to determine if the PWMS provides representative monitoring samples.

As part of the demonstration testing of the Purge Water Management System (PWMS) technology at the Savannah River Site (SRS), four wells were equipped with PWMS units in 1997 and a series of sampling events were conducted at each from 1997 to 1998. Three of the wells (ABP-1A, ABP-4, and ARP-3) are located in A/M Area while the fourth (BGO-33C) is located at the Old Radioactive Waste Burial Ground in the General Separations Area.

Groundwater samples collected by the PWMS in August 1999 continue to be representative of the groundwater quality at monitoring wells ABP-1A, ABP-4, ARP-3 and BGO-33C. There is a continuing high degree of similarity between analyte concentrations derived from the PWMS samples and those obtained from historical protocol sampling. The latest sample results from sampling with the PWMS extend all previously existing concentration trends to the present time.

Special sampling events conducted in August and October 1999 determined that the source of metals concentrations in PWMS effluent samples do not originate from the PWMS units but, instead, come from (1) elevated turbidity levels resulting from natural aquifer materials entrained in initial purge water from the agitation of the well water during the sampling activity, and (2) specifically for copper, lead, and zinc, the dissolution of the metal components of well appliances and/or preferential partitioning of the metals on colloidal particles that remain suspended in the water standing in the well between samples.

INTRODUCTION

Standard procedure for obtaining protocol groundwater monitoring samples at the Savannah River Site (SRS) calls for extracting or "purging" sufficient quantities of groundwater to allow removal of stagnant water from the well and to allow certain key indicator parameters to stabilize prior to collection of samples. The water extracted from a well prior to sample collection is termed "purge water" and must be managed in an approved fashion if it contains hazardous and/or radiological constituents that exceed specified health-based limits described in the *Investigation Derived Waste Management Plan* (WSRC 1994). Typical management practices include containerization, transportation, treatment, and disposal at Clean Water Act-permitted facilities.

A technology for handling purge water that eliminates the need to containerize and transport this water to a disposal facility has been developed. This technology, termed the Purge Water Management System (PWMS), is currently in the initial stages of deployment at SRS. The PWMS is a "closed-loop," non-contact system used to collect and return purge water to the originating aquifer after a sampling event without significantly altering the water quality. A schematic drawing of the PWMS is in Figure 1.

For any method used to sample groundwater, sample representativeness is a primary concern. Suitability of the PWMS to collect representative monitoring well samples, while allowing for the extraction and return of large volumes of purge water back to the aquifer, is the chief issue to address for the successful demonstration of the technology.

The purpose of this quarterly report is to present the results of groundwater sampling conducted during August 1999 using PWMS units deployed at four typical SRS wells monitoring groundwater contamination.

This report has been prepared in response to the request from the South Carolina Department of Health and Environmental Control (SCDHEC) in a letter dated August 11, 1999 (Appendix A), and these reports will continue throughout the pilot-testing stage of PWMS deployment.

Figure 1. Schematic drawing of the purge water management system

METHODOLOGY

PWMS Pilot Well Sampling

Three wells in the A/M Area and one well in the General Separations Area (GSA) are used to demonstrate effectiveness of the PWMS (Figures 2 and 3):

ABP-1A	Located at the A-Area Metals Burning Pit, A/M Area
ABP-4	Located at the A-Area Metals Burning Pit, A/M Area
ARP-3	Located at the A-Area Burning/Rubble Pits, A/M Area
BGO-33C	Located at the Old Radioactive Waste Burial Ground, GSA

The sampling schedule followed for evaluation of the use of the PWMS at the four wells is presented in Table 1.

Table 1. Schedule of sampling events at PWMS wells

Well	Sampling Event No. 1
ABP-1A	August 17, 1999
ABP-4	August 16, 1999
ARP-3	August 13, 1999
BGO-33C	August 13, 1999

The chemical analysis data from these sample collections were compared with analyte concentration data from protocol samples collected previously at the same wells. The historical data were obtained as part of the routine SRS groundwater-monitoring program. Data for 30 analytes are routinely collected for the comparison of groundwater monitoring results obtained with the PWMS vs. the historical sampling methodology at the four wells (Appendix B). Of these 30 analytes, 15 have been found to effectively represent the trends in groundwater quality at these wells. These 15 analytes include naturally occurring analytes as well as chemical and radiological contaminants known to exist in the vicinity of the wells; the data for these 15 analytes are graphically depicted in this report to compare the PWMS sampling with the historical collections. The 15 analytes, which were also evaluated in detail during previous studies of the PWMS (Hiergesell et al. 1996; WSRC 1999), include the following:

pH	Chromium, total recoverable	Chloride
Specific conductance	Iron, total recoverable	Carbon tetrachloride
Calcium, total recoverable	Manganese, total recoverable	Tetrachloroethylene
Potassium, total recoverable	Aluminum, total recoverable	Trichloroethylene
Sodium, total recoverable	Lead, total recoverable	Gross alpha

Figure 2. Location of wells ABP-1A, ABP-4, and ARP-3 at the Savannah River Site

Figure 3. Location of well BGO-33C at the Savannah River Site

At well BGO-33C, tritium has also been monitored and activities of this radionuclide in the PWMS-collected samples and in the historical samples are also compared. Because of a lower hydraulic conductivity at BGO-33C, a tracer study has been previously conducted at that well (WSRC 1999); this study was repeated in August 1999. Potassium bromide (KBr) was injected into the aquifer on August 13, 1999, at BGO-33C. Then, 180 days after the potassium bromide injection, the aquifer will be resampled using the PWMS unit to determine if any of the tracer remains.

Sampling at each of the four wells installed with a PWMS unit was identical and followed SRS standard groundwater sampling procedures (WSRC 1992). Accordingly, groundwater was pumped at a flow rate of approximately one gallon per minute (gpm) into the PWMS unit bladder tank (Figure 1). After a minimum of two well volumes of purge water was pumped into the tank, the field indicator parameters (pH, water temperature, specific conductance, and turbidity) were monitored at the well sampling port to determine the point at which their levels stabilized (i.e., when the measurements for each parameter varied by no more than ten percent of each other). Once stabilization had occurred, a groundwater sample was collected using the PWMS at a location ahead of or "influent" to the PWMS tank while tank filling continued. This sample is, thus, considered to be a "snapshot" of the groundwater unaffected by stagnant well conditions that might have occurred between sampling events.

Samples were shipped to an off-site analytical laboratory under contract to SRS for the performance of analytical services related to the ongoing groundwater monitoring program. A rigorous laboratory quality assurance process is a major component of this program. Once chemical analysis results were returned from the laboratory, the field and analytical data were validated.

To facilitate the comparison of historical and PWMS sample analyses, the relevant data for each well were downloaded from the SRS Geochemical Information Management System (GIMS) database. Scatter diagrams were constructed for each of the analytes selected to make the comparison for each of the wells. The data from each well were then examined to determine 1) if PWMS samples fall within historical ranges, and 2) if any discernible historical trends could be identified in the historical record and whether PWMS samples reflect a continuation of concentration trends.

Special Metals Study at PWMS Pilot Wells ABP-1A, ABP-4, ARP-3, and BGO-33C

A special sampling event was conducted August 13-17, 1999, at PWMS pilot study wells ARP-3, ABP-1A, ABP-4, and BGO-33C. The event was conducted to collect additional information identified in a meeting between SRS and SCDHEC representatives on August 2, 1999. The purposes of the sampling event were:

- to re-introduce a tracer into the aquifer at BGO 33C and
- to document that the source of the elevated metals concentrations observed in previous PWMS tank effluent samples did not originate from the PWMS units themselves, but rather from the silt entrained in the turbid purge water prior to sampling.

The special sampling event for each of the wells entailed obtaining the standard influent sample, as acquired in previous PWMS sampling events at these wells. Two additional influent samples, which were obtained prior to the protocol influent sample, augmented the standard samples. These samples were collected when the turbidity levels were high in order to evaluate whether the turbidity in the purge water was the source of the metals in the effluent samples from the tank. In addition, an effluent sample was collected as the tank contents were emptied into the well.

The sample designations used for the special sampling event are as follows:

- A First sample collected while turbidity was elevated
- B Second sample collected while turbidity was elevated
- I Protocol influent sample, collected after the turbidity and other purge parameters had stabilized
- E Effluent sample

Special Sampling Event at MSB-11D for Evaluating the Source of Metals in Effluent Samples from the PWMS Pilot Sampling

Two samples were collected on October 11, 1999, from well MSB-11D at SRS. This sampling event was conducted with the approval of SCDHEC after SRS presented the results of the August 13-17 special sampling event during a meeting on September 21, 1999, at the SCDHEC offices in Columbia.

After reviewing the pilot testing results from the four PWMS wells (BGO-33C, ABP-1A, ABP-4, and ARP-3), SCDHEC expressed concern about the elevated concentrations of copper, lead, and zinc in the effluent being recharged to the aquifer during the standard PWMS sampling procedure. Their concern was that the PWMS units were introducing these metals to the purge water. SRS presented an alternative hypothesis: that the elevated metals concentrations were being introduced by other sources, including the brass valves and flow meters installed at each SRS monitoring well. The SCDHEC staff approved a special sampling event in which a non-PWMS well would be used for sampling. That well would have the following characteristics:

- of similar construction to the four PWMS wells,
- in a similar aquifer, with similar pH conditions,
- having a brass flow meter assembly,
- having historical concentrations of copper, lead, and zinc for comparisons, and that
- had not been sampled for at least 6 to 12 months.

Well MSB-11D was selected as an appropriate well for this sampling event because it met all of the required characteristics, including the fact that the well had not been sampled since 1995. The sampling procedure was as follows:

- The well submersible pump was connected to a portable electric generator; the camlock fitting on the end of the discharge was removed; the valve leading to the normal sample port was closed; the valve in front of the flow meter was cracked open; and the sample bottles were prepared with the addition of acid preservative.
- The pump was energized to initiate flow to the surface.
- The first two gallons of water passing through the flow meter (and exiting through the camlock fitting) were collected in two one-gallon containers, and the valve was closed.
- The valve leading to the sample port was opened and allowed to flush for about five seconds prior to collecting two additional one-gallon samples.
- The pump was turned off and the water in the valve and flow meter assembly was allowed to drain by gravity.
- After the gallon containers had been shaken to homogenize their contents, two 500 mL composite samples were created (one for the meter sample and one for the port sample) by pouring 250 mL from each of the related one-gallon containers into the required 500 mL sample bottle.
- The samples were shipped to an SC-certified laboratory for analysis.

RESULTS

PWMS Pilot Well Sampling

The results of the scatter diagram comparison of the PWMS sample analyses with the record of historical analyses are presented by well in Figures 4 to 8. The data used in the comparison for each well are provided in Appendix B.

Data codes used in the figures and in the data presented in Appendix B are identified in Table 2.

Table 2. Data codes used in the well sample analysis results

Analyte Codes	
Code	Analyte
FPH	Field pH
COND	Specific conductance
CATOT	Calcium, total recoverable
KTOT	Potassium, total recoverable
NATOT	Sodium, total recoverable
CRTOT	Chromium, total recoverable
FETOT	Iron, total recoverable
MNTOT	Manganese, total recoverable
ALTOT	Aluminum, total recoverable
PBTOT	Lead, total recoverable
CL	Chloride
CCL4	Carbon tetrachloride
TCLEE	Tetrachloroethylene
TRCLE	Trichloroethylene
ALPHAG	Gross alpha
TRITIU	Tritium
Analytical Result Qualifier Codes	
Code	Qualification
ResQual	Result qualifier
#	Result has no qualifier - interpret as reported
J	Result is estimated quantity
U, UI	Result is less than sample quantitation limit

Quarterly Report on the Use of the Purge Water Management System at SRS

Figure 4. Plots of concentrations and activities of analytes collected at well ABP-1A by the PWMS (in re

total recoverable in ABP 1A

Symbol: ResQual if exists or #

total recoverable

Potassium, total recoverable in ABP 1A

(Plot symbol: ResQual if exists or #)

Potassium, total recoverable

Sodium, total recoverable in ABP 1A

(Plot symbol: ResQual if exists or #)

Sodium, total recoverable

total recoverable in ABP 1A

Symbol: ResQual if exists or #

al recoverable

Aluminum, total recoverable in ABP 1A

(Plot symbol: ResQual if exists or #)

Aluminum, total recoverable

Lead, total recoverable in ABP 1A

(Plot symbol: ResQual if exists or #)

Lead, total recoverable

trichloroethylene in ABP 1A

Symbol: ResQual if exists or #

trichloroethylene

Trichloroethylene in ABP 1A

(Plot symbol: ResQual if exists or #)

Trichloroethylene

Gross alpha in ABP 1A

(Plot symbol: ResQual if exists or #)

Gross alpha

compared to the standard collection program (in blue)

Quarterly Report on the Use of the Purge Water Management System at SRS

Figure 5. Plots of concentrations and activities of analytes collected at well ABP-4 by the PWMS (in red) c

recoverable in ABP 4

Potassium, total recoverable

Sodium, total recoverable

recoverable in ABP 4

Aluminum, total recoverable

Lead, total recoverable

rochloroethylene in ABP 4

Trichloroethylene

Gross alpha

compared to the standard collection program (in blue)

Figure 6. Plots of concentrations and activities of analytes collected at well ARP-3 by the PWMS (in red)

recoverable in ARP 3

Potassium, total recoverable in ARP 3

Sodium, total recoverable in ARP 3

Aluminum, total recoverable in ARP 3

Lead, total recoverable in ARP 3

Trichloroethylene in ARP 3

Gross alpha in ARP 3

Potassium, total recoverable

Sodium, total recoverable

Aluminum, total recoverable

Lead, total recoverable

compared to the standard collection program (in blue)

Quarterly Report on the Use of the Purge Water Management System at SRS

Figure 7. Plots of concentrations and activities of analytes collected at well BGO-33C by the PWMS (in red

Potassium, total recoverable in BGO 33C

(Plot symbol: ResQual if exists or #)

Potassium, total recoverable

(Plot symbol: ResQual if exists or #)

Potassium, total recoverable

Sodium, total recoverable in BGO 33C

(Plot symbol: ResQual if exists or #)

Sodium, total recoverable

Aluminum, total recoverable in BGO 33C

(Plot symbol: ResQual if exists or #)

Aluminum, total recoverable

(Plot symbol: ResQual if exists or #)

Aluminum, total recoverable

Lead, total recoverable in BGO 33C

(Plot symbol: ResQual if exists or #)

Lead, total recoverable

Trichloroethylene in BGO 33C

(Plot symbol: ResQual if exists or #)

Trichloroethylene

(Plot symbol: ResQual if exists or #)

Trichloroethylene

Gross alpha in BGO 33C

(Plot symbol: ResQual if exists or #)

Gross alpha

compared to the standard collection program (in blue)

Figure 8. Plot of tritium activities collected at well BGO-33C by the PWMS (in red) compared to the standard collection program (in blue).

Special Metals Study at PWMS Pilot Wells ABP-1A, ABP-4, ARP-3, and BGO-33C

The special metals study was designed to test the hypothesis: the source of the elevated metals concentrations in the effluent sample of historical PWMS sampling events was the suspended particles in the purge water, not the PWMS unit itself. Therefore it was expected that the turbidity and metals concentrations would be elevated in the "A" and "B" samples, depressed in the protocol "I" sample, and somewhat 'averaged' in the "E" sample.

The results described in this analysis are for the metals. Tables 3 through 6 present the concentrations for each constituent (metals, cyanide, and for BGO-33C, radionuclides), in addition to the well purging parameters (pH, specific conductance, turbidity and temperature) measured at the time each sample was collected.

In sampling at all four wells, the field turbidity levels followed the expected profile (high in the "A" and "B" samples, low in the "I" sample and medium in the "E" sample. In regard to specific conductance, three of the wells (ABP-1A, ABP-4, and ARP-3) exhibited stable levels in the "A," "B," and "I" samples while having slightly elevated levels in the "E" sample. BGO-33C was the exception, having its highest specific conductance level in the "A" sample and its second highest level in the "E" sample. In general, the sample analysis results confirm that the samples with the highest turbidity generate the highest concentration of metals. There are a few elements whose highest concentrations consistently do not correspond to the highest turbidity values but appear to correspond with elevated specific conductance values observed in the "E" samples. These patterns are observed at each of the wells as follows:

- In well ABP-1A (Table 3), chromium was the only one of the 13 detected constituents that had its highest concentration observed in the pre-protocol samples. The other 12 detected constituents had their highest concentration observed in the effluent sample, which had the highest specific conductance.
- In well ABP-4 (Table 4), 13 of the 16 constituents detected had their highest concentrations observed in the pre-protocol samples, correlating to elevated turbidities. The other 3 detected constituents (copper, lead, and zinc) had their highest concentrations observed in the effluent sample, which exhibited the highest specific conductance.

- In well ARP-3 (Table 5), 13 of 18 detected constituents had their highest concentrations observed in very turbid pre-protocol samples. The other 5 detected constituents (copper, lead, magnesium, sodium, and zinc) had their highest concentration in the effluent sample, which had the highest specific conductance.
- In well BGO 33C (Table 6), 11 of 21 detected constituents had their highest concentration observed in pre-protocol samples, correlating to the highest turbidity measurements. The other 10 detected constituents had their highest concentration in the effluent sample, which had the second-highest specific conductance.

The data indicate that the pre-protocol "A" and "B" samples collected at the four wells were obtained when turbidity was still elevated in the purge water. Consequently, the water quality data from those wells can be used to relate the potential for turbidity to be the source of the elevated metals concentrations in the effluent samples.

The following 12 constituents form a group with consistently highest concentrations in the most turbid samples: aluminum, arsenic, barium, beryllium, calcium, iron, manganese, mercury, potassium, selenium, vanadium, and cyanide. This supports the hypothesis that the turbidity is the source of the metals in the effluent samples. The 8 remaining detected constituents generally support the turbidity hypothesis, with the exception of copper, lead, and zinc. The 3 elements of the second group (copper, lead and zinc), whose elevated concentrations do not correlate with elevated turbidity levels, had their highest concentrations in the "E" samples. The occurrence of these elevated concentrations in the "E" samples correlates with the highest specific conductance in three of the four wells tested and with the second highest specific conductance at the fourth well (BGO-33C).

Since turbidity is related to suspended particulate materials, specific conductance is related to dissolved species, and the two groups of metals are correlated to the different field parameters, more than one source may be indicated. The source of the first group is considered to be the turbidity in the sample, with suspended particulate matter being stripped of its metals content when the sample is preserved with nitric acid.

The source of the second group of metals (copper, lead and zinc) is less obvious. At least two potential sources have been considered 1) dissolution of the brass in the well appliances, and/or 2) preferential partitioning of these three metals onto colloidal particles.

Table 3 PWMS sample results from ABP-1A

		Sample Fraction				
Analyte Name	Symbol	A	B	I	E	Units
Field Indicator Parameters:						
Sample Time		7:46	8:06	8:38	8:52	
Purge Volume		9.5	25.0	91.0	- -	gals
pH		4.5	4.8	5.1	5.2	units
Specific Conductance		13	13	13	20	µmhos
Water temperature		20	20.9	20.3	21	°C
Turbidity		1.8	1.1	0.6	1.2	NTU
Laboratory Results:						
Aluminum	ALTOT	17.8 J	50 U	50 U	33.6 J	µg/L
Antimony	SBTOT	10 U	10 U	10 U	10 U	µg/L
Arsenic	ASTOT	5 U	5 U	5 U	5 U	µg/L
Barium	BATOT	3.25 J	3.05 J	2.95 J	3.6 J	µg/L
Beryllium	BETOT	5 U	5 U	5 U	5 U	µg/L
Cadmium	CDTOT	5 U	5 U	5 U	5 U	µg/L
Calcium	CATOT	525	499	516	574	µg/L
Chromium	CRTOT	3.02 J	5.84	2.25 J	2.95 J	µg/L
Cobalt	COTOT	5 U	5 U	5 U	5 U	µg/L
Copper	CUTOT	5.25	3.2 J	1.55 J	25.2	µg/L
Iron	FETOT	99.5	97.7	50 U	122	µg/L
Lead	PBTOT	5 U	5 U	5 U	5.63	µg/L
Magnesium	MGTOT	183	174	177	858	µg/L
Manganese	MNTOT	10 U	10 U	10 U	12.5	µg/L
Mercury	HGTOT	0.2 U	0.2 U	0.2 U	0.2 U	µg/L
Nickel	NITOT	2.29 J	3.41 J	1.4 J	17.3	µg/L
Potassium	KTOT	231	218	223	237	µg/L
Selenium	SETOT	5 U	5 U	5 U	5 U	µg/L
Silver	AGTOT	5 U	5 U	5 U	5 U	µg/L
Sodium	NATOT	831	809	821	985	µg/L
Thallium	TLTOT	5 U	5 U	5 U	5 U	µg/L
Uranium	UTOT			50 U	50 U	µg/L
Vanadium	VTOT	5 U	5 U	5 U	5 U	µg/L
Zinc	ZNTOT	3.6 J	4.77 J	3.23 J	216	µg/L
Cyanide	CYN	10 U	10 U	10 U	10 U	µg/L

J = Estimated Value below the Quantitation Limit

U = Not Detected

A = First sample prior to parameter stabilization

B = Second sample prior to parameter stabilization

I = Protocol Sample

E = Effluent Sample from the Tank

Table 4 PWMS sample results from ABP-4

		Sample Fraction				
Analyte Name	Symbol	A	B	I	E	Units
Field Indicator Parameters:						
Sample Time		14:32	14:40	15:01	15:42	
Purge Volume		9.0	27.0	79.0	- -	gals
pH		4.4	4.7	5.0	5.1	units
Specific Conductance		13.0	13.0	13.0	14.0	µmhos
Water temperature		21.0	21.1	20.5	21.3	°C
Turbidity		48.9	1.4	0.5	4.9	NTU
Laboratory Results:						
Aluminum	ALTOT	3330	25.2 J	50 U	57.6	µg/L
Antimony	SBTOT	10 U	10 U	10 U	10 U	µg/L
Arsenic	ASTOT	5 U	5 U	5 U	5 U	µg/L
Barium	BATOT	29.7	2.48 J	2.37 J	2.54 J	µg/L
Beryllium	BETOT	0.553 J	5 U	5 U	5 U	µg/L
Cadmium	CDTOT	5 U	5 U	5 U	5 U	µg/L
Calcium	CATOT	596	533	470	479	µg/L
Chromium	CRTOT	151	2.79 J	3.1 J	3.2 J	µg/L
Cobalt	COTOT	3.69 J	5 U	5 U	5 U	µg/L
Copper	CUTOT	6.11	1.64 J	1.96 J	20	µg/L
Iron	FETOT	14800	91.2	61.4	233	µg/L
Lead	PBTOT	5.88	5 U	5 U	23.9	µg/L
Magnesium	MGTOT	324	182	177	245	µg/L
Manganese	MNTOT	43.8	10 U	10 U	10 U	µg/L
Mercury	HGTOT	0.2 U	0.2 U	0.2 U	0.2 U	µg/L
Nickel	NITOT	74.4	1.86 J	2.63 J	2.66 J	µg/L
Potassium	KTOT	376	175	168	172	µg/L
Selenium	SETOT	5 U	5 U	5 U	5 U	µg/L
Silver	AGTOT	5 U	5 U	5 U	5 U	µg/L
Sodium	NATOT	974	1020	960	957	µg/L
Thallium	TLTOT	5 U	5 U	5 U	5 U	µg/L
Uranium	UTOT			50 U	50 U	µg/L
Vanadium	VTOT	13.1	5 U	5 U	5 U	µg/L
Zinc	ZNTOT	21 U	4.12 U	4.22 U	88.6	µg/L
Cyanide	CYN	10 U	10 U	10 U	10 U	µg/L

J = Estimated Value below the Quantitation Limit

U = Not Detected

A = First sample prior to parameter stabilization

B = Second sample prior to parameter stabilization

I = Protocol Sample

E = Effluent Sample from the Tank

Table 5 PWMS sample results from ARP-3

		Sample Fraction				
Analyte Name	Symbol	A	B	I	E	Units
Field Indicator Parameters:						
Sample Time		14:10	14:25	14:45	15:02	
Purge Volume		4.0	18.0	64.0	- -	gals
pH		4.6	4.9	4.9	4.9	units
Specific Conductance		19.0	19.0	19.0	28.0	µmhos
Water temperature		22.5	21.6	21.4	23.6	°C
Turbidity		443	10.1	1.2	42	NTU
Laboratory Results:						
Aluminum	ALTOT	9610	272	150	781	µg/L
Antimony	SBTOT	10 U	10 U	10 U	10 U	µg/L
Arsenic	ASTOT	14.4	5 U	5 U	5 U	µg/L
Barium	BATOT	160	9.43	7.91	16.7	µg/L
Beryllium	BETOT	4.34 J	5 U	5 U	0.312 J	µg/L
Cadmium	CDTOT	5 U	5 U	5 U	5 U	µg/L
Calcium	CATOT	603	414	454	481	µg/L
Chromium	CRTOT	454	9.88	9.37	23.2	µg/L
Cobalt	COTOT	24.7	5 U	5 U	2.58 J	µg/L
Copper	CUTOT	42	1.49 JU	5 U	54.9	µg/L
Iron	FETOT	69700	1560	725	4470	µg/L
Lead	PBTOT	13.4	5 U	5 U	18.9	µg/L
Magnesium	MGTOT	769	335	350	1120	µg/L
Manganese	MNTOT	370	13.7	9.76 J	46.2	µg/L
Mercury	HGTOT	0.2 U	0.2 U	0.2 U	0.2 U	µg/L
Nickel	NITOT	235	5.67	5.12	23.6	µg/L
Potassium	KTOT	557	189	187	235	µg/L
Selenium	SETOT	4.89 J	5 U	5 U	5 U	µg/L
Silver	AGTOT	5 U	5 U	5 U	5 U	µg/L
Sodium	NATOT	1780	1830	1810	1840	µg/L
Thallium	TLTOT	5 U	5 U	5 U	5 U	µg/L
Uranium	UTOT			50 U	50 U	µg/L
Vanadium	VTOT	35.6	0.662 J	5 U	2.4 J	µg/L
Zinc	ZNTOT	81	4.15 JU	2.95 JU	154	µg/L
Cyanide	CYN	10 U	10 U	10 U	10 U	µg/L

J = Estimated Value below the Quantitation Limit

U = Not Detected

A = First sample prior to parameter stabilization

B = Second sample prior to parameter stabilization

I = Protocol Sample

E = Effluent Sample from the Tank

Table 6 PWMS sample results from BGO-33C

		Sample Fraction				
Analyte Name	Symbol	A	B	I	E	Units
Field Indicator Parameters:						
Sample Time		9:29	9:36	10:00	10:50	
Purge Volume		7.0	15.0	35.0	- -	gals
pH		5.5	5.5	5.4	5.4	units
Specific Conductance		110.0	60.0	54.0	82.0	µmhos
Water temperature		21.7	21.4	22.3	23.5	°C
Turbidity		13	4.6	0.2	2.5	NTU
Laboratory Results:						
Aluminum	ALTOT	806	105	57.4	527	µg/L
Antimony	SBTOT	10 U	10 U	10 U	10 U	µg/L
Arsenic	ASTOT	5 U	5 U	5 U	5 U	µg/L
Barium	BATOT	21.9	11.6	11.5	13	µg/L
Beryllium	BETOT	5 U	5 U	5 U	5 U	µg/L
Boron	BTOT			4.15 J	4.4 J	µg/L
Cadmium	CDTOT	5 U	5 U	5 U	5 U	µg/L
Calcium	CATOT	8230	4000	3610	4800	µg/L
Chromium	CRTOT	3.97 J	1.45 J	1.98 J	2.97 J	µg/L
Cobalt	COTOT	1.03 J	0.738 J	5 U	1.22 J	µg/L
Copper	CUTOT	6.25	2.96 J	3.6 J	39.3	µg/L
Iron	FETOT	1520	181	50 U	524	µg/L
Lead	PBTOT	2.36 J	5 U	5 U	15.1	µg/L
Lithium	LITOT			1.76 J	2.17	µg/L
Magnesium	MGTOT	1060	859	882	1990	µg/L
Manganese	MNTOT	70.5	47	48.3	66.2	µg/L
Mercury	HGTOT	15.8	6.76	6.5	6.74	µg/L
Nickel	NITOT	5.31	2.59 J	3.3 J	8.26	µg/L
Potassium	KTOT	650	457	449	3700	µg/L
Selenium	SETOT	5 U	5 U	5 U	5 U	µg/L
Silver	AGTOT	5 U	5 U	5 U	5 U	µg/L
Sodium	NATOT	5680	4320	4210	4460	µg/L
Thallium	TLTOT	5 U	5 U	5 U	5 U	µg/L
Tin	SNTOT			100 U	100 U	µg/L
Vanadium	VTOT	3.14 J	5 U	5 U	0.871 J	µg/L
Zinc	ZNTOT	23.2	9.72	11.9	115	µg/L
Cyanide	CYN	3.17 J	10 U	10 U	10 U	µg/L
Gross alpha	ALPHAG	4.87 J	2.34	2.55	2.31	pCi/L
Non-volatile beta	BETAG	3.56 J	1.95 J	1.97 J	6.65	pCi/L
Strontium-90	SR90			0.852 U	0.0349 U	pCi/L

J = Estimated Value below the Quantitation Limit

U = Not Detected

A = First sample prior to parameter stabilization

B = Second sample prior to parameter stabilization

I = Protocol Sample

E = Effluent Sample from the Tank

Special Sampling Event at MSB-11D for Evaluating the Source of Metals in Effluent Samples from the PWMS Pilot Sampling

Table 7 presents the analytical results for copper, lead, and zinc from this sampling event and compares those results to the PWMS pilot test samples and historical results. The table also presents the maximum historical results from the protocol samples at each of the four PWMS pilot wells.

The concentrations in the meter and port samples from MSB-11D exceeded the historical protocol results for the well by factors as large as 71 times, and the port sample results were the highest of the sample results for all 5 wells tested.

With the exception of ARP-3 [where there is a turbidity contrast of over 2 orders of magnitude between the initial ("A") and protocol ("T") samples], the initial ("A") sample results are always lower than the historical results.

Table 7. Concentrations of copper, lead and zinc in selected SRS wells

Well ID and Sample Date	Sample Type	Copper (µg/L)	Lead (µg/L)	Zinc (µg/L)	Purge Volume (gallons)	Turbidity (NTU)
October Special Sampling Event						
MSB-11D	historical	4.64 J	3 U	39.8	varied	NM
(10/11/99)	meter port	44.2 150	49.7 212	83.6 511	0 2	NM NM
August Special Sampling Event						
BGO-33C	historical	13.9	3.07 J	32.4	varied	Varied
(8/13/99)	A	6.25	2.36 J	23.2	7	13
	B	2.96 J	5 U	9.72	15	4.6
	I	3.6 J	5 U	11.9	35	.2
	E	39.3	15.1	115		2.5
ARP-3	historical	1.3	4.49	7.28	varied	varied
(8/13/99)	A	42	13.4	81	4	443
	B	1.49 JU	5 U	4.15 JU	18	10.1
	I	5 U	5 U	2.95 JU	64	1.2
	E	54.9	18.9	154		42
ABP-4	historical	19.8	14.7	30	varied	varied
(8/16/99)	A	6.11	5.88	21 U	9	48.9
	B	1.64 J	5 U	4.12 U	27	1.4
	I	1.96 J	5 U	4.22 U	79	.5
	E	20	23.9	88.6		4.9
ABP-1A	historical	13.2	2.9 J	45.9	varied	varied
(8/17/99)	A	5.25	5 U	3.6 J	9.5	1.8
	B	3.2 J	5 U	4.77 J	25	1.1
	I	1.55 J	5 U	3.23 J	91	.6
	E	25.2	5.63	216		1.2

Notes:

historical – maximum historical concentration

meter – Sample collected from the end of the flow meter

port – Sample collected from the standard well sample port

NM – not measured

A – First sample prior to parameter stabilization

B – Second sample prior to parameter stabilization

I – Protocol sample after parameter stabilization

E – Effluent sample while the tank is being emptied

J – Estimated value below the quantitation limit

U – Not detected, quantitation limit shown

CONCLUSIONS

PWMS Pilot Well Sampling

The PWMS pilot well sampling conducted in August 1999 confirms that the PWMS sampling methodology acquires representative groundwater samples at monitoring wells ABP-1A, ABP-4, ARP-3 and BGO-33C. There was a consistent high degree of similarity between analyte concentrations derived from the PWMS samples and the historical analyte concentrations. Additionally, samples collected using the PWMS methodology extended all previously existing concentration trends to the present time.

Special Metals Study at PWMS Pilot Wells ABP-1A, ABP-4, ARP-3, and BGO-33C

The data collected in the special metals study indicate that the following 12 constituents form a group that consistently has highest concentrations in the most turbid samples. This supports the hypothesis that turbidity is a major source of the metals in the effluent samples for the following analytes: aluminum, arsenic, barium, beryllium, calcium, iron, manganese, mercury, potassium, selenium, vanadium, and cyanide. The eight remaining detected constituents generally support the turbidity hypothesis, with the exception of copper, lead, and zinc.

The three elements of the second group (copper, lead and zinc), whose elevated concentrations do not correlate with elevated turbidity levels, had their highest concentrations in the samples with the highest specific conductance in three of the four wells tested, and with the second highest conductivity at the fourth well (BGO-33C). At least two potential sources for these three metals have been considered: 1) dissolution of the brass in the well appliances, and/or 2) a preferential partitioning of these three metals onto colloidal particles that remain suspended in the water standing in the well between samples. These very small particles would be the first to enter the pump (and, therefore, the tank) when the well is purged, and would move past the "A" sample point very quickly.

Three of the second group of metals (copper, lead and zinc) are elements found in well appliance (flow meters, gate valves, pumps, etc.) components that come in contact with the purge water. Potentially, this could be a source of this group of elements, especially if the well water remains in contact with these parts for extended lengths of time, as would occur between sampling events. In the case of wells sampled in this study, contact time may have been as much as a year in three of the wells and eight months in the

other. Considering that the pH of groundwater in each of the wells ranges from 4.4 to 5.5 (mild acids), any metallic components could potentially be the source of these elements.

In summary, the source for the majority of the metals is considered to be the turbidity in the water that is generated during the purging process and not the PWMS units. The source of copper, lead, and zinc in the samples required further study; a special sampling event was initiated to that end.

Special Sampling Event at MSB-11D for Evaluating the Source of Metals in Effluent Samples from the PWMS Pilot Sampling

The sampling results from well MSB 11D document that copper, lead, and zinc concentrations are elevated in the initial purge volumes, even in wells not outfitted with PWMS units. During the well purging process, the concentrations of copper, lead, and zinc eventually decline to lower levels (in many cases to non-detect) prior to collection of the protocol ("T") samples.

Two publications from the USEPA (EPA 1994, EPA 1995) document the existence of lead (and other metals) in groundwater supplies originating from submersible pumps in wells. These studies conclude that older pumps can contribute lead to the groundwater in a well at levels exceeding the action level for drinking water of 15 µg/L. The source of the lead is the brass or bronze fittings in the older pumps (made from alloys of copper, lead, and zinc) that leach the lead to the water over time. Their recommended solution was to replace the pump or to purge the water lines prior to using the water if the pump could not be replaced.

These observations support the conclusion that the highest levels of copper, lead, and zinc are contained in the initial purge water coming from the well. The sources of these metals are not in the PWMS units, but elsewhere in the well itself. These sources would include leaching of metals from corrosion of the metallic appliances on the well (the pump, valve, and flow meter, as commonly found elsewhere; e.g., see EPA 1994, 1995), and natural formation materials present in the aquifer.

REFERENCES

EPA (U.S. Environmental Protection Agency), 1994, *Environmental Fact Sheet: Lead Leaching from Submersible Well Pumps*. EPA-747-F-94-001.

EPA (U.S. Environmental Protection Agency), 1995, *Fact Sheet: Update on Lead Leaching from Submersible Well Pumps and Private Drinking Water Systems*. EPA812-F-95-002.

Hiergesell, R.A., J.E. Cardoso-Neto, and D.W. Williams, 1996. *Evaluation of the Purge Water Management System (PWMS) Monitor Well Sampling Technology at SRS*, WSRC-TR-96-0416, Westinghouse Savannah River Company, Aiken, South Carolina.

WSRC, 1992. *Hydrogeologic Data Collection, Chapter 15, Sampling Groundwater Monitoring Wells*, Procedure Manual WSRC-3Q5, Westinghouse Savannah River Company, Aiken, South Carolina.

WSRC, 1994. *Investigation Derived Waste Management Plan*, WSRC-RP-94-1227, Revision 2, Westinghouse Savannah River Company, Aiken, South Carolina.

WSRC, 1999. *Evaluation of the Validity of Groundwater Samples Obtained Using the Purge Water Management System (PWMS) at the Savannah River Site (U)*. Westinghouse Savannah River Company, Aiken, South Carolina.

APPENDIX A

LETTER FROM SCDHEC

2600 Bull Street
Columbia, SC 29201-1708

August 11, 1999

Certified Mail

Ms. Lynn Martin
Facility Support Section
Environmental Protection Department
Savannah River Site
P.O. Box A
Aiken, South Carolina 29808

Re: Savannah River Site
Aiken County
SC1 890 008 989

Purge Water Management System (PWMS) F/H Proposed Well List (Martin to Devlin),
dated August 11, 1999

Dear Ms. Martin,

The Department is in receipt of the referenced letter received via facimilie and submitted by Westinghouse Savannah River Company on behalf of the Savannah River Site. The letter requests approval to install purge water management system (PWMS) units on eight monitoring wells in the F-Area Seepage Basin Hazardous Waste Area and on two monitoring wells in the H-Area Seepage Basin Hazardous Waste Area. These wells include FSB-102C, FSB-104D, FSB-105C, FSB-106C, FSB-107D, FSB-110D, FSB-112D, FSB-117D, HSB-86C, and HSB-86D. The installation of the PWMS units on the proposed monitoring wells is approved. As discussed in the August 2, 1999 meeting with your staff, all wells approved for the PWMS should be redeveloped prior to installation of the unit.

Installation of the PWMS units on the referenced wells is considered an extension of the pilot study that is on-going for this technology. As stated in the referenced letter, SRS will be using a tracer to retest the unit at monitoring wells BGO-33C and will be resampling units at wells ABP-1A, ABP-4, and ARP-3. The installation of PWMS units on any additional monitoring wells will be evaluated based on the results of the pilot study, as well as the groundwater sampling results at the F and H Area wells.

hw990654.cld

SRS must submit quarterly reports on the progress of the pilot study to the Department. The first report will be due to the Department no later than November 15, 1999. Subsequent reports should be submitted two weeks following the end of each quarter. Ms. Marianna Depratter and Ms Jo Cherie Overcash should be copied on these reports.

If you have any questions, please call me at (803) 896-4020.

Sincerely,

Cynde L. Devlin, Hydrogeologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Land and Waste Management

cc: Ms. Crystal Rippy, Permitting
Mr. Robert Baker, DOE
Mr. Tim Mettlen, Lower Savannah EQC
Mr. John Reed, Westinghouse SRS
Ms. Marianna Depratter, Hazardous Waste Section
Ms. Jo Cherie Overcash, Hazardous Waste Section

APPENDIX B

**DATA USED IN THE COMPARISON OF THE PWMS GROUNDWATER
SAMPLE COLLECTION PROGRAM WITH THE HISTORICAL
SAMPLE COLLECTION PROGRAM**

DATA CODES USED IN THE WELL SAMPLE ANALYSIS RESULTS

ANALYTE CODES	
Code	Analyte
111TCE	1,1,1-Trichloroethane
TCLEA	1,1,2,2-Tetrachloroethane
11DCLE	1,1-Dichloroethane
11DCE	1,1-Dichloroethylene
ALTOT	Aluminum, total recoverable
BATOT	Barium, total recoverable
BR	Bromide
CATOT	Calcium, total recoverable
CCL4	Carbon tetrachloride
CL	Chloride
CRTOT	Chromium, total recoverable
COTOT	Cobalt, total recoverable
CUTOT	Copper, total recoverable
CYN	Cyanide
FPH	Field pH
F	Fluoride
ALPHAG	Gross alpha
FETOT	Iron, total recoverable
PBTOT	Lead, total recoverable
MNTOT	Manganese, total recoverable
HGTOT	Mercury, total recoverable
NITOT	Nickel, total recoverable
NO3NO2	Nitrate-nitrite as nitrogen
BETAG	Nonvolatile beta
KTOT	Potassium, total recoverable
SETOT	Selenium, total recoverable
COND	Specific conductance
NATOT	Sodium, total recoverable
TCLEE	Tetrachloroethylene
T12DCE	trans-1,2-Dichloroethylene
TRCLE	Trichloroethylene
ZNTOT	Zinc, total recoverable
QUALIFICATION CODES	
Code	Qualification
ResQual	Result qualifier
#	Result has no qualifier - interpret as reported
J	Result is estimated quantity
U, UI	Result is less than sample quantitation limit

WELL ABP-1A DATA

Field pH in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	FPH	1985Q1		5.2	PH
ABP 1A	FPH	1985Q2		5	PH
ABP 1A	FPH	1985Q3		4.6	PH
ABP 1A	FPH	1985Q4		3.9	PH
ABP 1A	FPH	1986Q1		4.2	PH
ABP 1A	FPH	1986Q2		4.6	PH
ABP 1A	FPH	1986Q2		4.6	PH
ABP 1A	FPH	1986Q2		4.6	PH
ABP 1A	FPH	1986Q3		5.6	PH
ABP 1A	FPH	1986Q4		4.7	PH
ABP 1A	FPH	1987Q1		4.5	PH
ABP 1A	FPH	1987Q2		4.9	PH
ABP 1A	FPH	1987Q3		5.3	PH
ABP 1A	FPH	1987Q4		5.8	PH
ABP 1A	FPH	1988Q1		5.2	PH
ABP 1A	FPH	1988Q1		5.2	PH
ABP 1A	FPH	1988Q1		5.2	PH
ABP 1A	FPH	1988Q2		5.4	PH
ABP 1A	FPH	1988Q2		5.4	PH
ABP 1A	FPH	1988Q2		5.4	PH
ABP 1A	FPH	1988Q3		4.9	PH
ABP 1A	FPH	1988Q4		4.8	PH
ABP 1A	FPH	1989Q1		4.6	PH
ABP 1A	FPH	1989Q1		4.6	PH
ABP 1A	FPH	1989Q2		5.1	PH
ABP 1A	FPH	1989Q3		4.8	PH
ABP 1A	FPH	1989Q3		5	PH
ABP 1A	FPH	1989Q4		4.8	PH
ABP 1A	FPH	1989Q4		4.8	PH
ABP 1A	FPH	1990Q1		5	PH
ABP 1A	FPH	1990Q2		4.7	PH
ABP 1A	FPH	1990Q2		4.7	PH
ABP 1A	FPH	1990Q3		4.9	PH
ABP 1A	FPH	1990Q3		4.9	PH
ABP 1A	FPH	1990Q4		4.3	PH
ABP 1A	FPH	1991Q1		4.9	PH
ABP 1A	FPH	1991Q1		4.9	PH
ABP 1A	FPH	1991Q2		4.8	PH
ABP 1A	FPH	1991Q3		4.9	PH
ABP 1A	FPH	1991Q3		4.9	PH
ABP 1A	FPH	1991Q4		5	PH
ABP 1A	FPH	1992Q1		5.2	PH
ABP 1A	FPH	1992Q1		5.2	PH
ABP 1A	FPH	1992Q2		5.3	PH
ABP 1A	FPH	1992Q2		5.3	PH
ABP 1A	FPH	1992Q3		5	PH
ABP 1A	FPH	1993Q2		5.2	PH
ABP 1A	FPH	1993Q3		5	PH
ABP 1A	FPH	1993Q4		4.8	PH
ABP 1A	FPH	1994Q1		5.1	PH
ABP 1A	FPH	1994Q2		4.8	PH
ABP 1A	FPH	1994Q3		4.8	PH
ABP 1A	FPH	1995Q1		5.2	PH
ABP 1A	FPH	1996Q1		7	PH
ABP 1A	FPH	1996Q2		4.6	PH
ABP 1A	FPH	1997Q4		4.4	PH
ABP 1A	FPH	1998Q3		4.8	PH
ABP 1A	FPH	1999Q3		5.1	PH

Specific Conductance in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	COND	1985Q1		20	USCM
ABP 1A	COND	1985Q2		22	USCM
ABP 1A	COND	1985Q3		14	USCM
ABP 1A	COND	1985Q4		21	USCM
ABP 1A	COND	1986Q1		14	USCM
ABP 1A	COND	1986Q2		15	USCM
ABP 1A	COND	1986Q2		15	USCM
ABP 1A	COND	1986Q2		15	USCM
ABP 1A	COND	1986Q3		18	USCM
ABP 1A	COND	1986Q4		24	USCM
ABP 1A	COND	1987Q1		23	USCM
ABP 1A	COND	1987Q2		18	USCM
ABP 1A	COND	1987Q3		18	USCM
ABP 1A	COND	1987Q4		17	USCM
ABP 1A	COND	1988Q1		16	USCM
ABP 1A	COND	1988Q1		16	USCM
ABP 1A	COND	1988Q1		16	USCM
ABP 1A	COND	1988Q2		14	USCM
ABP 1A	COND	1988Q2		14	USCM
ABP 1A	COND	1988Q2		14	USCM
ABP 1A	COND	1988Q3		15	USCM
ABP 1A	COND	1988Q4		24	USCM
ABP 1A	COND	1989Q1		18	USCM
ABP 1A	COND	1989Q1		18	USCM
ABP 1A	COND	1989Q2		15	USCM
ABP 1A	COND	1989Q3		20	USCM
ABP 1A	COND	1989Q3		23	USCM
ABP 1A	COND	1989Q4		18	USCM
ABP 1A	COND	1989Q4		18	USCM
ABP 1A	COND	1990Q1		29	USCM
ABP 1A	COND	1990Q2		21	USCM
ABP 1A	COND	1990Q2		21	USCM
ABP 1A	COND	1990Q3		18	USCM
ABP 1A	COND	1990Q3		18	USCM
ABP 1A	COND	1990Q4		21	USCM
ABP 1A	COND	1991Q1		15	USCM
ABP 1A	COND	1991Q1		15	USCM
ABP 1A	COND	1991Q2		16	USCM
ABP 1A	COND	1991Q3		20	USCM
ABP 1A	COND	1991Q3		20	USCM
ABP 1A	COND	1991Q4		18	USCM
ABP 1A	COND	1992Q1		11	USCM
ABP 1A	COND	1992Q1		11	USCM
ABP 1A	COND	1992Q2		15	USCM
ABP 1A	COND	1992Q2		15	USCM
ABP 1A	COND	1992Q3		18	USCM
ABP 1A	COND	1993Q2		13	USCM
ABP 1A	COND	1993Q3		14	USCM
ABP 1A	COND	1993Q4		13	USCM
ABP 1A	COND	1994Q1		12	USCM
ABP 1A	COND	1994Q2		13	USCM
ABP 1A	COND	1994Q3		13	USCM
ABP 1A	COND	1995Q1		12	USCM
ABP 1A	COND	1996Q1		16	USCM
ABP 1A	COND	1996Q2		12	USCM
ABP 1A	COND	1997Q4		12	USCM
ABP 1A	COND	1998Q3		18	USCM
ABP 1A	COND	1999Q3		13	USCM

Calcium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CATOT	1996Q1		432	UGL
ABP 1A	CATOT	1996Q1		437	UGL
ABP 1A	CATOT	1996Q2		748	UGL
ABP 1A	CATOT	1997Q4		532	UGL
ABP 1A	CATOT	1998Q3		572	UGL
ABP 1A	CATOT	1998Q3		597	UGL
ABP 1A	CATOT	1999Q3		516	UGL

Potassium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	KTOT	1996Q1	J	217	UGL
ABP 1A	KTOT	1996Q1	J	217	UGL
ABP 1A	KTOT	1996Q2	U	2000	UGL
ABP 1A	KTOT	1997Q4		271	UGL
ABP 1A	KTOT	1998Q3		238	UGL
ABP 1A	KTOT	1998Q3		252	UGL
ABP 1A	KTOT	1999Q3		223	UGL

Sodium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	NATOT	1996Q1		958	UGL
ABP 1A	NATOT	1996Q1		969	UGL
ABP 1A	NATOT	1996Q2		1350	UGL
ABP 1A	NATOT	1997Q4		1020	UGL
ABP 1A	NATOT	1998Q3		856	UGL
ABP 1A	NATOT	1998Q3		900	UGL
ABP 1A	NATOT	1999Q3		821	UGL

Chromium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CRTOT	1995Q1	U	6.67	UGL
ABP 1A	CRTOT	1996Q1		4.4	UGL
ABP 1A	CRTOT	1996Q1		6.42	UGL
ABP 1A	CRTOT	1996Q2	U	25	UGL
ABP 1A	CRTOT	1997Q4	U	5	UGL
ABP 1A	CRTOT	1998Q3	U	3.9	UGL
ABP 1A	CRTOT	1998Q3	U	6.35	UGL
ABP 1A	CRTOT	1999Q3	J	2.25	UGL

Iron, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	FETOT	1996Q1	J	64.2	UGL
ABP 1A	FETOT	1996Q1	J	78.9	UGL
ABP 1A	FETOT	1996Q2	J	14.9	UGL
ABP 1A	FETOT	1998Q3		44	UGL
ABP 1A	FETOT	1998Q3		52.2	UGL
ABP 1A	FETOT	1999Q3	U	50	UGL

Manganese, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	MNTOT	1993Q3	U	2	UGL
ABP 1A	MNTOT	1994Q1	J	2.71	UGL
ABP 1A	MNTOT	1994Q3	J	3.32	UGL
ABP 1A	MNTOT	1995Q1	J	2.28	UGL
ABP 1A	MNTOT	1996Q1		2.56	UGL
ABP 1A	MNTOT	1996Q1		3.07	UGL
ABP 1A	MNTOT	1996Q1	J	4.48	UGL
ABP 1A	MNTOT	1996Q2	U	10	UGL
ABP 1A	MNTOT	1997Q4	J	3.14	UGL
ABP 1A	MNTOT	1998Q3	U	10	UGL
ABP 1A	MNTOT	1998Q3	U	10	UGL
ABP 1A	MNTOT	1999Q3	U	10	UGL

Aluminum, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	ALTOT	1993Q3	U	20	UGL
ABP 1A	ALTOT	1994Q1	U	20	UGL
ABP 1A	ALTOT	1994Q3	U	20	UGL
ABP 1A	ALTOT	1995Q1	U	33.3	UGL
ABP 1A	ALTOT	1996Q1	U	22.9	UGL
ABP 1A	ALTOT	1996Q1	U	46.4	UGL
ABP 1A	ALTOT	1996Q2	U	250	UGL
ABP 1A	ALTOT	1997Q4	U	50	UGL
ABP 1A	ALTOT	1998Q3	U	18	UGL
ABP 1A	ALTOT	1998Q3	U	23.8	UGL
ABP 1A	ALTOT	1999Q3	U	50	UGL

Lead, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	PBTOT	1993Q3	U	3	UGL
ABP 1A	PBTOT	1994Q1	U	3	UGL
ABP 1A	PBTOT	1994Q3	U	3	UGL
ABP 1A	PBTOT	1995Q1	U	5	UGL
ABP 1A	PBTOT	1996Q1	U	1.19	UGL
ABP 1A	PBTOT	1996Q1	U	2.23	UGL
ABP 1A	PBTOT	1996Q1	U	100	UGL
ABP 1A	PBTOT	1996Q2		0.371	UGL
ABP 1A	PBTOT	1997Q4	J	2.9	UGL
ABP 1A	PBTOT	1998Q3	U	2	UGL
ABP 1A	PBTOT	1998Q3	U	2	UGL
ABP 1A	PBTOT	1999Q3	U	5	UGL

Chloride in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CL	1985Q1		1140	UGL
ABP 1A	CL	1985Q2		1980	UGL
ABP 1A	CL	1985Q3		1600	UGL
ABP 1A	CL	1985Q4		2350	UGL
ABP 1A	CL	1985Q4		2350	UGL
ABP 1A	CL	1986Q1		6650	UGL
ABP 1A	CL	1987Q1		2000	UGL
ABP 1A	CL	1989Q2		4000	UGL
ABP 1A	CL	1989Q2		4000	UGL
ABP 1A	CL	1989Q3		1300	UGL
ABP 1A	CL	1990Q3		1340	UGL
ABP 1A	CL	1990Q3		1370	UGL
ABP 1A	CL	1990Q3		1400	UGL
ABP 1A	CL	1990Q3		1400	UGL
ABP 1A	CL	1990Q3		1400	UGL
ABP 1A	CL	1990Q4		1400	UGL
ABP 1A	CL	1990Q4		1400	UGL
ABP 1A	CL	1991Q1		1310	UGL
ABP 1A	CL	1991Q1		1320	UGL
ABP 1A	CL	1991Q1		1330	UGL
ABP 1A	CL	1991Q1		1360	UGL
ABP 1A	CL	1991Q1		1420	UGL
ABP 1A	CL	1991Q2		3730	UGL
ABP 1A	CL	1991Q3		1590	UGL
ABP 1A	CL	1991Q3		1640	UGL
ABP 1A	CL	1991Q4		1520	UGL
ABP 1A	CL	1992Q1		1550	UGL
ABP 1A	CL	1997Q4		1600	UGL
ABP 1A	CL	1997Q4		1660	UGL
ABP 1A	CL	1998Q3		1520	UGL
ABP 1A	CL	1998Q3		1560	UGL
ABP 1A	CL	1999Q3		1400	UGL

Carbon tetrachloride in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CCL4	1985Q4		5	UGL
ABP 1A	CCL4	1986Q3		1	UGL
ABP 1A	CCL4	1986Q4		3.08	UGL
ABP 1A	CCL4	1987Q1		1	UGL
ABP 1A	CCL4	1987Q1		5	UGL
ABP 1A	CCL4	1987Q2		1	UGL
ABP 1A	CCL4	1987Q3		1	UGL
ABP 1A	CCL4	1987Q3		1	UGL
ABP 1A	CCL4	1987Q3		1	UGL
ABP 1A	CCL4	1987Q4		1	UGL
ABP 1A	CCL4	1988Q1		1	UGL
ABP 1A	CCL4	1988Q1		1	UGL
ABP 1A	CCL4	1988Q3		1	UGL
ABP 1A	CCL4	1988Q3		1	UGL
ABP 1A	CCL4	1988Q3		1	UGL
ABP 1A	CCL4	1988Q3	U	1	UGL
ABP 1A	CCL4	1988Q3	U	1	UGL
ABP 1A	CCL4	1989Q1	U	1	UGL
ABP 1A	CCL4	1989Q3	U	1	UGL
ABP 1A	CCL4	1989Q3	U	1	UGL
ABP 1A	CCL4	1989Q4	U	1	UGL
ABP 1A	CCL4	1989Q4	U	5	UGL
ABP 1A	CCL4	1990Q1	U	1	UGL
ABP 1A	CCL4	1990Q1	U	1	UGL
ABP 1A	CCL4	1990Q2	U	1	UGL
ABP 1A	CCL4	1990Q2	U	1	UGL
ABP 1A	CCL4	1990Q3	U	1	UGL
ABP 1A	CCL4	1990Q3	U	1	UGL
ABP 1A	CCL4	1990Q3	U	5	UGL
ABP 1A	CCL4	1990Q3	U	5	UGL
ABP 1A	CCL4	1990Q4	U	5	UGL
ABP 1A	CCL4	1990Q4	U	5	UGL
ABP 1A	CCL4	1991Q1	U	1	UGL
ABP 1A	CCL4	1991Q1	U	1	UGL
ABP 1A	CCL4	1991Q1	U	1	UGL
ABP 1A	CCL4	1991Q1	U	5	UGL
ABP 1A	CCL4	1991Q1	U	5	UGL
ABP 1A	CCL4	1991Q2	U	1	UGL
ABP 1A	CCL4	1991Q3	U	1	UGL
ABP 1A	CCL4	1991Q3	U	1	UGL
ABP 1A	CCL4	1991Q4	U	1	UGL
ABP 1A	CCL4	1992Q1	U	1	UGL
ABP 1A	CCL4	1992Q2	U	1	UGL
ABP 1A	CCL4	1992Q2	U	1	UGL
ABP 1A	CCL4	1992Q2	U	5	UGL
ABP 1A	CCL4	1992Q2	U	5	UGL
ABP 1A	CCL4	1992Q3		1.12	UGL
ABP 1A	CCL4	1993Q2		2.7	UGL
ABP 1A	CCL4	1993Q3	J	4.06	UGL
ABP 1A	CCL4	1993Q4		3.2	UGL
ABP 1A	CCL4	1993Q4	J	4.12	UGL
ABP 1A	CCL4	1993Q4	J	4.48	UGL
ABP 1A	CCL4	1993Q4	U	1	UGL
ABP 1A	CCL4	1994Q1		3.1	UGL
ABP 1A	CCL4	1994Q2		3.19	UGL
ABP 1A	CCL4	1994Q2		4.1	UGL
ABP 1A	CCL4	1994Q2	J	3.11	UGL
ABP 1A	CCL4	1994Q2	J	3.16	UGL
ABP 1A	CCL4	1994Q3		3.6	UGL
ABP 1A	CCL4	1995Q1		2.05	UGL
ABP 1A	CCL4	1996Q1	J	1.36	UGL
ABP 1A	CCL4	1996Q2	J	1.78	UGL
ABP 1A	CCL4	1997Q4	J	0.783	UGL
ABP 1A	CCL4	1998Q3	U	1	UGL
ABP 1A	CCL4	1998Q3	U	1	UGL
ABP 1A	CCL4	1999Q3		1.14	UGL

Tetrachloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	TCLEE	1992Q2	J	2.16	UGL
ABP 1A	TCLEE	1992Q3		6.52	UGL
ABP 1A	TCLEE	1993Q2		15.4	UGL
ABP 1A	TCLEE	1993Q3	J	19.4	UGL
ABP 1A	TCLEE	1993Q4		17.4	UGL
ABP 1A	TCLEE	1993Q4		19.3	UGL
ABP 1A	TCLEE	1993Q4		20.7	UGL
ABP 1A	TCLEE	1993Q4	U	1	UGL
ABP 1A	TCLEE	1994Q1		23.6	UGL
ABP 1A	TCLEE	1994Q2		15	UGL
ABP 1A	TCLEE	1994Q2		15.4	UGL
ABP 1A	TCLEE	1994Q2		16.2	UGL
ABP 1A	TCLEE	1994Q2		17.2	UGL
ABP 1A	TCLEE	1994Q3		15.9	UGL
ABP 1A	TCLEE	1995Q1		10.2	UGL
ABP 1A	TCLEE	1996Q1		9.13	UGL
ABP 1A	TCLEE	1996Q2		8.97	UGL
ABP 1A	TCLEE	1997Q4		5.16	UGL
ABP 1A	TCLEE	1998Q3		1.59	UGL
ABP 1A	TCLEE	1998Q3	U	1	UGL
ABP 1A	TCLEE	1999Q3		8.8	UGL

Trichloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	TRCLE	1985Q4		5	UGL
ABP 1A	TRCLE	1986Q2		2.51	UGL
ABP 1A	TRCLE	1986Q3		2.08	UGL
ABP 1A	TRCLE	1986Q4		3.73	UGL
ABP 1A	TRCLE	1987Q1		1	UGL
ABP 1A	TRCLE	1987Q1		5	UGL
ABP 1A	TRCLE	1987Q2		1	UGL
ABP 1A	TRCLE	1987Q3		1	UGL
ABP 1A	TRCLE	1987Q3		1	UGL
ABP 1A	TRCLE	1987Q3		1	UGL
ABP 1A	TRCLE	1987Q4		1	UGL
ABP 1A	TRCLE	1988Q1		1	UGL
ABP 1A	TRCLE	1988Q1		1	UGL
ABP 1A	TRCLE	1988Q2		1	UGL
ABP 1A	TRCLE	1988Q3		1	UGL
ABP 1A	TRCLE	1988Q3		1	UGL
ABP 1A	TRCLE	1988Q3		1	UGL
ABP 1A	TRCLE	1988Q3		1.5	UGL
ABP 1A	TRCLE	1988Q3		2	UGL
ABP 1A	TRCLE	1988Q3		2	UGL
ABP 1A	TRCLE	1988Q3	U	1	UGL
ABP 1A	TRCLE	1988Q4		1.3	UGL
ABP 1A	TRCLE	1989Q1		1.05	UGL
ABP 1A	TRCLE	1989Q1		2.5	UGL
ABP 1A	TRCLE	1989Q1		2.97	UGL
ABP 1A	TRCLE	1989Q2		1.55	UGL
ABP 1A	TRCLE	1989Q3		1	UGL
ABP 1A	TRCLE	1989Q3		1	UGL
ABP 1A	TRCLE	1989Q3		1.32	UGL
ABP 1A	TRCLE	1989Q4		1.07	UGL
ABP 1A	TRCLE	1989Q4	U	1	UGL
ABP 1A	TRCLE	1989Q4	U	1	UGL
ABP 1A	TRCLE	1989Q4	U	5	UGL
ABP 1A	TRCLE	1990Q1	U	1	UGL
ABP 1A	TRCLE	1990Q1	U	1	UGL
ABP 1A	TRCLE	1990Q1	U	1	UGL
ABP 1A	TRCLE	1990Q2		0.58	UGL
ABP 1A	TRCLE	1990Q2	U	1	UGL
ABP 1A	TRCLE	1990Q2	U	1	UGL
ABP 1A	TRCLE	1990Q2	U	1	UGL
ABP 1A	TRCLE	1990Q3		1	UGL
ABP 1A	TRCLE	1990Q3		1	UGL
ABP 1A	TRCLE	1990Q3		1.15	UGL
ABP 1A	TRCLE	1990Q3	U	1	UGL
ABP 1A	TRCLE	1990Q3	U	1	UGL
ABP 1A	TRCLE	1990Q3	U	10	UGL
ABP 1A	TRCLE	1990Q3	U	10	UGL
ABP 1A	TRCLE	1990Q4	U	1	UGL
ABP 1A	TRCLE	1990Q4	U	5	UGL
ABP 1A	TRCLE	1990Q4	U	5	UGL
ABP 1A	TRCLE	1991Q1	U	1	UGL
ABP 1A	TRCLE	1991Q1	U	1	UGL
ABP 1A	TRCLE	1991Q1	U	1	UGL
ABP 1A	TRCLE	1991Q1	U	10	UGL
ABP 1A	TRCLE	1991Q1	U	10	UGL
ABP 1A	TRCLE	1991Q2	U	1	UGL
ABP 1A	TRCLE	1991Q3		1	UGL
ABP 1A	TRCLE	1991Q3	U	1	UGL
ABP 1A	TRCLE	1991Q4		2	UGL
ABP 1A	TRCLE	1992Q1		2.29	UGL
ABP 1A	TRCLE	1992Q2		5.05	UGL
ABP 1A	TRCLE	1992Q2		5.37	UGL

Trichloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	TRCLE	1992Q2		6.09	UGL
ABP 1A	TRCLE	1992Q2		8.28	UGL
ABP 1A	TRCLE	1992Q3		20.7	UGL
ABP 1A	TRCLE	1993Q2		67.9	UGL
ABP 1A	TRCLE	1993Q3	J	95.9	UGL
ABP 1A	TRCLE	1993Q4		87.8	UGL
ABP 1A	TRCLE	1993Q4		111	UGL
ABP 1A	TRCLE	1993Q4		121	UGL
ABP 1A	TRCLE	1993Q4	U	1	UGL
ABP 1A	TRCLE	1994Q1		119	UGL
ABP 1A	TRCLE	1994Q2		87.5	UGL
ABP 1A	TRCLE	1994Q2		90.5	UGL
ABP 1A	TRCLE	1994Q2		90.9	UGL
ABP 1A	TRCLE	1994Q2		91.6	UGL
ABP 1A	TRCLE	1994Q3		72.4	UGL
ABP 1A	TRCLE	1995Q1		59.9	UGL
ABP 1A	TRCLE	1996Q1		38.4	UGL
ABP 1A	TRCLE	1996Q2		47.2	UGL
ABP 1A	TRCLE	1997Q4		21.1	UGL
ABP 1A	TRCLE	1998Q3		7.24	UGL
ABP 1A	TRCLE	1998Q3		8.28	UGL
ABP 1A	TRCLE	1999Q3		39.6	UGL

Gross alpha in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	ALPHAG	1985Q1		2.1	PCL
ABP 1A	ALPHAG	1985Q2		2	PCL
ABP 1A	ALPHAG	1985Q3		2	PCL
ABP 1A	ALPHAG	1985Q4		2	PCL
ABP 1A	ALPHAG	1986Q1		2	PCL
ABP 1A	ALPHAG	1987Q1		3	PCL
ABP 1A	ALPHAG	1988Q1		1.1	PCL
ABP 1A	ALPHAG	1988Q1		1.1	PCL
ABP 1A	ALPHAG	1989Q1		0.96	PCL
ABP 1A	ALPHAG	1989Q2	U	3	PCL
ABP 1A	ALPHAG	1989Q2	U	3	PCL
ABP 1A	ALPHAG	1989Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q1	U	3	PCL
ABP 1A	ALPHAG	1990Q1	U	3	PCL
ABP 1A	ALPHAG	1990Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q3	U	2	PCL
ABP 1A	ALPHAG	1990Q4	U	2	PCL
ABP 1A	ALPHAG	1990Q4	U	2	PCL
ABP 1A	ALPHAG	1991Q1		5.8	PCL
ABP 1A	ALPHAG	1991Q1	U	2	PCL
ABP 1A	ALPHAG	1991Q1	U	2	PCL
ABP 1A	ALPHAG	1991Q1	U	2	PCL
ABP 1A	ALPHAG	1991Q1	U	3	PCL
ABP 1A	ALPHAG	1991Q1	U	3	PCL
ABP 1A	ALPHAG	1991Q2	U	2	PCL
ABP 1A	ALPHAG	1991Q3	U	2	PCL
ABP 1A	ALPHAG	1991Q3	U	2	PCL
ABP 1A	ALPHAG	1991Q4	U	2	PCL
ABP 1A	ALPHAG	1992Q1	U	2	PCL
ABP 1A	ALPHAG	1994Q3	UI	0.779	PCL
ABP 1A	ALPHAG	1994Q3	UI	1.11	PCL
ABP 1A	ALPHAG	1995Q1		0.808	PCL
ABP 1A	ALPHAG	1996Q1		0.711	PCL
ABP 1A	ALPHAG	1996Q2		0.783	PCL
ABP 1A	ALPHAG	1997Q4		2	PCL
ABP 1A	ALPHAG	1998Q3	U	0.657	PCL
ABP 1A	ALPHAG	1998Q3	U	1.1	PCL
ABP 1A	ALPHAG	1999Q3	J	0.752	PCL

1,1,1-Trichloroethane in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	111TCE	1985Q4			5 UGL
ABP 1A	111TCE	1986Q3			1 UGL
ABP 1A	111TCE	1986Q4			1 UGL
ABP 1A	111TCE	1987Q1			1 UGL
ABP 1A	111TCE	1987Q1			5 UGL
ABP 1A	111TCE	1987Q2			1 UGL
ABP 1A	111TCE	1987Q3			1 UGL
ABP 1A	111TCE	1987Q3			1 UGL
ABP 1A	111TCE	1987Q3			1 UGL
ABP 1A	111TCE	1987Q4			1 UGL
ABP 1A	111TCE	1988Q1			1 UGL
ABP 1A	111TCE	1988Q1			1 UGL
ABP 1A	111TCE	1988Q2			1 UGL
ABP 1A	111TCE	1988Q3			1 UGL
ABP 1A	111TCE	1988Q3			1 UGL
ABP 1A	111TCE	1988Q3			1 UGL
ABP 1A	111TCE	1988Q3			1 UGL
ABP 1A	111TCE	1988Q3			2 UGL
ABP 1A	111TCE	1988Q3	U		1 UGL
ABP 1A	111TCE	1988Q3	U		1 UGL
ABP 1A	111TCE	1988Q4	U		1 UGL
ABP 1A	111TCE	1989Q1	U		1 UGL
ABP 1A	111TCE	1989Q1	U		1 UGL
ABP 1A	111TCE	1989Q1	U		1 UGL
ABP 1A	111TCE	1989Q2	U		1 UGL
ABP 1A	111TCE	1989Q3	U		1 UGL
ABP 1A	111TCE	1989Q3	U		1 UGL
ABP 1A	111TCE	1989Q3	U		1 UGL
ABP 1A	111TCE	1989Q4	U		1 UGL
ABP 1A	111TCE	1989Q4	U		1 UGL
ABP 1A	111TCE	1989Q4	U		1 UGL
ABP 1A	111TCE	1989Q4	U		1 UGL
ABP 1A	111TCE	1989Q4	U		5 UGL
ABP 1A	111TCE	1990Q1	U		1 UGL
ABP 1A	111TCE	1990Q1	U		1 UGL
ABP 1A	111TCE	1990Q1	U		1 UGL
ABP 1A	111TCE	1990Q2	U		0.4 UGL
ABP 1A	111TCE	1990Q2	U		1 UGL
ABP 1A	111TCE	1990Q2	U		1 UGL
ABP 1A	111TCE	1990Q2	U		1 UGL
ABP 1A	111TCE	1990Q3	U		1 UGL
ABP 1A	111TCE	1990Q3	U		1 UGL
ABP 1A	111TCE	1990Q3	U		1 UGL
ABP 1A	111TCE	1990Q3	U		1 UGL
ABP 1A	111TCE	1990Q3	U		1 UGL
ABP 1A	111TCE	1990Q3	U		5 UGL
ABP 1A	111TCE	1990Q3	U		5 UGL
ABP 1A	111TCE	1990Q4	U		1 UGL
ABP 1A	111TCE	1990Q4	U		5 UGL
ABP 1A	111TCE	1990Q4	U		5 UGL
ABP 1A	111TCE	1991Q1	U		1 UGL
ABP 1A	111TCE	1991Q1	U		1 UGL
ABP 1A	111TCE	1991Q1	U		1 UGL
ABP 1A	111TCE	1991Q1	U		5 UGL
ABP 1A	111TCE	1991Q1	U		5 UGL
ABP 1A	111TCE	1991Q2	U		1 UGL
ABP 1A	111TCE	1991Q3	U		1 UGL
ABP 1A	111TCE	1991Q3	U		1 UGL
ABP 1A	111TCE	1991Q4	U		1 UGL
ABP 1A	111TCE	1992Q1	U		1 UGL
ABP 1A	111TCE	1992Q2	U		1 UGL
ABP 1A	111TCE	1992Q2	U		1 UGL
ABP 1A	111TCE	1992Q2	U		5 UGL

1,1,1-Trichloroethane in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	111TCE	1992Q2	U		5 UGL
ABP 1A	111TCE	1992Q3	U		1 UGL
ABP 1A	111TCE	1993Q2	U		1 UGL
ABP 1A	111TCE	1993Q3	UJ		1 UGL
ABP 1A	111TCE	1993Q4	U		1 UGL
ABP 1A	111TCE	1993Q4	U		1 UGL
ABP 1A	111TCE	1993Q4	U		5 UGL
ABP 1A	111TCE	1993Q4	U		5 UGL
ABP 1A	111TCE	1994Q1	U		1 UGL
ABP 1A	111TCE	1994Q2	U		1 UGL
ABP 1A	111TCE	1994Q2	U		1 UGL
ABP 1A	111TCE	1994Q2	U		5 UGL
ABP 1A	111TCE	1994Q2	U		5 UGL
ABP 1A	111TCE	1994Q3	U		1 UGL
ABP 1A	111TCE	1995Q1	U	1.67	UGL
ABP 1A	111TCE	1996Q1	U		2 UGL
ABP 1A	111TCE	1996Q2	U		2 UGL
ABP 1A	111TCE	1997Q4	U		1 UGL
ABP 1A	111TCE	1998Q3	U		1 UGL
ABP 1A	111TCE	1998Q3	U		1 UGL
ABP 1A	111TCE	1999Q3	U		1 UGL

1,1-Dichloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	11DCE	1985Q4			5 UGL
ABP 1A	11DCE	1987Q1			5 UGL
ABP 1A	11DCE	1987Q3			1 UGL
ABP 1A	11DCE	1988Q3			1 UGL
ABP 1A	11DCE	1988Q3			2 UGL
ABP 1A	11DCE	1988Q4	U		1 UGL
ABP 1A	11DCE	1989Q1	U		1 UGL
ABP 1A	11DCE	1989Q1	U		1 UGL
ABP 1A	11DCE	1989Q2	U		1 UGL
ABP 1A	11DCE	1989Q3	U		1 UGL
ABP 1A	11DCE	1989Q3	U		1 UGL
ABP 1A	11DCE	1989Q3	U		1 UGL
ABP 1A	11DCE	1989Q4	U		1 UGL
ABP 1A	11DCE	1989Q4	U		1 UGL
ABP 1A	11DCE	1990Q1	U		1 UGL
ABP 1A	11DCE	1990Q2	U		1 UGL
ABP 1A	11DCE	1990Q2	U		1 UGL
ABP 1A	11DCE	1990Q3	U		1 UGL
ABP 1A	11DCE	1990Q3	U		1 UGL
ABP 1A	11DCE	1990Q3	U		1 UGL
ABP 1A	11DCE	1990Q3	U		1 UGL
ABP 1A	11DCE	1990Q3	U		5 UGL
ABP 1A	11DCE	1990Q3	U		5 UGL
ABP 1A	11DCE	1990Q4	U		1 UGL
ABP 1A	11DCE	1990Q4	U		5 UGL
ABP 1A	11DCE	1990Q4	U		5 UGL
ABP 1A	11DCE	1991Q1	U		1 UGL
ABP 1A	11DCE	1991Q1	U		1 UGL
ABP 1A	11DCE	1991Q1	U		1 UGL
ABP 1A	11DCE	1991Q1	U		5 UGL
ABP 1A	11DCE	1991Q1	U		5 UGL
ABP 1A	11DCE	1991Q2	U		1 UGL
ABP 1A	11DCE	1991Q3	U		1 UGL
ABP 1A	11DCE	1991Q3	U		1 UGL
ABP 1A	11DCE	1991Q4	U		1 UGL
ABP 1A	11DCE	1992Q1	U		1 UGL
ABP 1A	11DCE	1992Q2	U		1 UGL
ABP 1A	11DCE	1992Q2	U		1 UGL
ABP 1A	11DCE	1992Q2	U		5 UGL
ABP 1A	11DCE	1992Q2	U		5 UGL
ABP 1A	11DCE	1992Q3	U		1 UGL
ABP 1A	11DCE	1993Q2	U		1 UGL
ABP 1A	11DCE	1993Q3	UJ		1 UGL
ABP 1A	11DCE	1993Q4		4.1	UGL
ABP 1A	11DCE	1993Q4	U		1 UGL
ABP 1A	11DCE	1993Q4	U		5 UGL
ABP 1A	11DCE	1993Q4	U		5 UGL
ABP 1A	11DCE	1994Q1	U		1 UGL
ABP 1A	11DCE	1994Q2	U		1 UGL
ABP 1A	11DCE	1994Q2	U		1 UGL
ABP 1A	11DCE	1994Q2	U		5 UGL
ABP 1A	11DCE	1994Q2	U		5 UGL
ABP 1A	11DCE	1994Q3	U		1 UGL
ABP 1A	11DCE	1995Q1	U	1.67	UGL
ABP 1A	11DCE	1996Q1	U		2 UGL
ABP 1A	11DCE	1996Q2	U		2 UGL
ABP 1A	11DCE	1997Q4	U		1 UGL
ABP 1A	11DCE	1998Q3	U		1 UGL
ABP 1A	11DCE	1998Q3	U		1 UGL
ABP 1A	11DCE	1999Q3	U		1 UGL

1,1-Dichloroethane in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	11DCLE	1985Q4		5	UGL
ABP 1A	11DCLE	1987Q1		5	UGL
ABP 1A	11DCLE	1987Q3		1	UGL
ABP 1A	11DCLE	1989Q3	U	1	UGL
ABP 1A	11DCLE	1989Q3	U	1	UGL
ABP 1A	11DCLE	1990Q3	U	1	UGL
ABP 1A	11DCLE	1990Q3	U	1	UGL
ABP 1A	11DCLE	1990Q3	U	1	UGL
ABP 1A	11DCLE	1990Q3	U	5	UGL
ABP 1A	11DCLE	1990Q3	U	5	UGL
ABP 1A	11DCLE	1990Q4	U	5	UGL
ABP 1A	11DCLE	1990Q4	U	5	UGL
ABP 1A	11DCLE	1991Q1	U	1	UGL
ABP 1A	11DCLE	1991Q1	U	1	UGL
ABP 1A	11DCLE	1991Q1	U	1	UGL
ABP 1A	11DCLE	1991Q1	U	5	UGL
ABP 1A	11DCLE	1991Q1	U	5	UGL
ABP 1A	11DCLE	1991Q2	U	1	UGL
ABP 1A	11DCLE	1991Q3	U	1	UGL
ABP 1A	11DCLE	1991Q3	U	1	UGL
ABP 1A	11DCLE	1991Q4	U	1	UGL
ABP 1A	11DCLE	1992Q1	U	1	UGL
ABP 1A	11DCLE	1992Q2	U	1	UGL
ABP 1A	11DCLE	1992Q2	U	1	UGL
ABP 1A	11DCLE	1992Q2	U	1	UGL
ABP 1A	11DCLE	1992Q2	U	5	UGL
ABP 1A	11DCLE	1992Q2	U	5	UGL
ABP 1A	11DCLE	1992Q3	U	1	UGL
ABP 1A	11DCLE	1993Q2	U	1	UGL
ABP 1A	11DCLE	1993Q3	UJ	1	UGL
ABP 1A	11DCLE	1993Q4		12.3	UGL
ABP 1A	11DCLE	1993Q4	U	1	UGL
ABP 1A	11DCLE	1993Q4	U	5	UGL
ABP 1A	11DCLE	1993Q4	U	5	UGL
ABP 1A	11DCLE	1994Q1	U	1	UGL
ABP 1A	11DCLE	1994Q2	U	1	UGL
ABP 1A	11DCLE	1994Q2	U	1	UGL
ABP 1A	11DCLE	1994Q2	U	5	UGL
ABP 1A	11DCLE	1994Q2	U	5	UGL
ABP 1A	11DCLE	1994Q3	U	1	UGL
ABP 1A	11DCLE	1995Q1	U	1.67	UGL
ABP 1A	11DCLE	1996Q1	U	2	UGL
ABP 1A	11DCLE	1996Q2	U	2	UGL
ABP 1A	11DCLE	1997Q4	U	1	UGL
ABP 1A	11DCLE	1998Q3	U	1	UGL
ABP 1A	11DCLE	1998Q3	U	1	UGL
ABP 1A	11DCLE	1999Q3	U	1	UGL

Barium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	BATOT	1994Q3	U	3	UGL
ABP 1A	BATOT	1995Q1	J	3.22	UGL
ABP 1A	BATOT	1996Q1		3.16	UGL
ABP 1A	BATOT	1996Q1	J	2.39	UGL
ABP 1A	BATOT	1996Q1	J	2.63	UGL
ABP 1A	BATOT	1996Q2	J	2.36	UGL
ABP 1A	BATOT	1997Q4	J	3.45	UGL
ABP 1A	BATOT	1998Q3		3.68	UGL
ABP 1A	BATOT	1998Q3		3.69	UGL
ABP 1A	BATOT	1999Q3	J	2.95	UGL

Nonvolatile beta in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	BETAG	1985Q1		0.5	PCL
ABP 1A	BETAG	1985Q2		3	PCL
ABP 1A	BETAG	1985Q3		3	PCL
ABP 1A	BETAG	1985Q4		3	PCL
ABP 1A	BETAG	1986Q1		3	PCL
ABP 1A	BETAG	1987Q1		1.2	PCL
ABP 1A	BETAG	1988Q1		2	PCL
ABP 1A	BETAG	1988Q1		2	PCL
ABP 1A	BETAG	1989Q2	U	2	PCL
ABP 1A	BETAG	1989Q2	U	2	PCL
ABP 1A	BETAG	1989Q3	U	4	PCL
ABP 1A	BETAG	1990Q3		2.6	PCL
ABP 1A	BETAG	1990Q3	U	2	PCL
ABP 1A	BETAG	1990Q3	U	2	PCL
ABP 1A	BETAG	1990Q3	U	4	PCL
ABP 1A	BETAG	1990Q3	U	4	PCL
ABP 1A	BETAG	1990Q4		2	PCL
ABP 1A	BETAG	1990Q4	U	2	PCL
ABP 1A	BETAG	1991Q1	U	2	PCL
ABP 1A	BETAG	1991Q1	U	2	PCL
ABP 1A	BETAG	1991Q1	U	2	PCL
ABP 1A	BETAG	1991Q1	U	4	PCL
ABP 1A	BETAG	1991Q1	U	4	PCL
ABP 1A	BETAG	1991Q1	U	4	PCL
ABP 1A	BETAG	1991Q2	U	2	PCL
ABP 1A	BETAG	1991Q3		5.3	PCL
ABP 1A	BETAG	1991Q3	U	2	PCL
ABP 1A	BETAG	1991Q4	U	2	PCL
ABP 1A	BETAG	1992Q1	U	2	PCL
ABP 1A	BETAG	1992Q3	U	2	PCL
ABP 1A	BETAG	1993Q3		2.07	PCL
ABP 1A	BETAG	1994Q1	J	1.64	PCL
ABP 1A	BETAG	1994Q3		2.14	PCL
ABP 1A	BETAG	1994Q3		2.59	PCL
ABP 1A	BETAG	1995Q1	UI	0.943	PCL
ABP 1A	BETAG	1996Q1	UI	0.297	PCL
ABP 1A	BETAG	1996Q2	UI	0.682	PCL
ABP 1A	BETAG	1997Q4		2.42	PCL
ABP 1A	BETAG	1998Q3	U	1.25	PCL
ABP 1A	BETAG	1998Q3	UI	0.824	PCL
ABP 1A	BETAG	1999Q3	U	0.926	PCL

Cobalt, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	COTOT	1994Q3	U	4	UGL
ABP 1A	COTOT	1996Q1	U	0.736	UGL
ABP 1A	COTOT	1996Q1	U	4	UGL
ABP 1A	COTOT	1996Q2	U	10	UGL
ABP 1A	COTOT	1997Q4	U	5	UGL
ABP 1A	COTOT	1998Q3	J	0.12	UGL
ABP 1A	COTOT	1998Q3	J	0.182	UGL
ABP 1A	COTOT	1999Q3	U	5	UGL

Copper, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CUTOT	1994Q3	U	4	UGL
ABP 1A	CUTOT	1996Q1		4.26	UGL
ABP 1A	CUTOT	1996Q1		6.84	UGL
ABP 1A	CUTOT	1996Q2	U	25	UGL
ABP 1A	CUTOT	1997Q4		13.2	UGL
ABP 1A	CUTOT	1998Q3		2.32	UGL
ABP 1A	CUTOT	1998Q3	U	1.75	UGL
ABP 1A	CUTOT	1999Q3	J	1.55	UGL

Cyanide in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	CYN	1990Q3	U		5 UGL
ABP 1A	CYN	1990Q3	U		5 UGL
ABP 1A	CYN	1990Q3	U		5 UGL
ABP 1A	CYN	1990Q3	U		5 UGL
ABP 1A	CYN	1991Q1	U		5 UGL
ABP 1A	CYN	1991Q1	U		5 UGL
ABP 1A	CYN	1991Q1	U		5 UGL
ABP 1A	CYN	1991Q1	U		5 UGL
ABP 1A	CYN	1991Q1	U		5 UGL
ABP 1A	CYN	1991Q2	U		5 UGL
ABP 1A	CYN	1991Q2	U		5 UGL
ABP 1A	CYN	1992Q1	U		5 UGL
ABP 1A	CYN	1994Q3	UJ		5 UGL
ABP 1A	CYN	1995Q1	U	8.33	UGL
ABP 1A	CYN	1996Q1	U		10 UGL
ABP 1A	CYN	1996Q2	U		10 UGL
ABP 1A	CYN	1997Q4	U		10 UGL
ABP 1A	CYN	1998Q3	UJ		10 UGL
ABP 1A	CYN	1998Q3	UJ		10 UGL
ABP 1A	CYN	1999Q3	U		10 UGL
ABP 1A	CYN	1999Q3	U		10 UGL
ABP 1A	CYN	1999Q3	U		10 UGL

Fluoride in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	F	1985Q1		170	UGL
ABP 1A	F	1985Q2		50	UGL
ABP 1A	F	1985Q3		100	UGL
ABP 1A	F	1985Q4		60	UGL
ABP 1A	F	1987Q1		100	UGL
ABP 1A	F	1989Q2	U	100	UGL
ABP 1A	F	1989Q2	U	100	UGL
ABP 1A	F	1989Q3	U	250	UGL
ABP 1A	F	1990Q3	U	100	UGL
ABP 1A	F	1990Q3	U	100	UGL
ABP 1A	F	1990Q3	U	100	UGL
ABP 1A	F	1990Q3	U	250	UGL
ABP 1A	F	1990Q3	U	250	UGL
ABP 1A	F	1990Q4	U	100	UGL
ABP 1A	F	1990Q4	U	100	UGL
ABP 1A	F	1991Q1	U	100	UGL
ABP 1A	F	1991Q1	U	100	UGL
ABP 1A	F	1991Q1	U	100	UGL
ABP 1A	F	1991Q1	U	250	UGL
ABP 1A	F	1991Q1	U	250	UGL
ABP 1A	F	1991Q2	U	100	UGL
ABP 1A	F	1991Q3	U	100	UGL
ABP 1A	F	1991Q3	U	100	UGL
ABP 1A	F	1991Q4	U	100	UGL
ABP 1A	F	1992Q1	U	100	UGL
ABP 1A	F	1997Q4	U	50	UGL
ABP 1A	F	1997Q4	U	50	UGL
ABP 1A	F	1998Q3	U	50	UGL
ABP 1A	F	1998Q3	U	50	UGL
ABP 1A	F	1999Q3	U	50	UGL

Mercury, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	HGTOT	1995Q1	U	0.333	UGL
ABP 1A	HGTOT	1996Q1	J	0.106	UGL
ABP 1A	HGTOT	1996Q2	UJ	0.2	UGL
ABP 1A	HGTOT	1997Q4	U	0.2	UGL
ABP 1A	HGTOT	1998Q3	U	0.315	UGL
ABP 1A	HGTOT	1998Q3	U	0.352	UGL
ABP 1A	HGTOT	1999Q3	U	0.2	UGL

Nickel, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	NITOT	1994Q3	U	4	UGL
ABP 1A	NITOT	1995Q1	U	6.67	UGL
ABP 1A	NITOT	1996Q1	J	2.47	UGL
ABP 1A	NITOT	1996Q1	J	3.16	UGL
ABP 1A	NITOT	1996Q1	U	25	UGL
ABP 1A	NITOT	1996Q2	U	25	UGL
ABP 1A	NITOT	1997Q4	U	5	UGL
ABP 1A	NITOT	1998Q3	U	2.38	UGL
ABP 1A	NITOT	1998Q3	U	3.62	UGL
ABP 1A	NITOT	1999Q3	J	1.4	UGL

Nitrate-nitrite as nitrogen in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	NO3NO2	1989Q2		560	UGL
ABP 1A	NO3NO2	1989Q2	U	10	UGL
ABP 1A	NO3NO2	1990Q4		830	UGL
ABP 1A	NO3NO2	1990Q4		830	UGL
ABP 1A	NO3NO2	1991Q1		840	UGL
ABP 1A	NO3NO2	1991Q1		850	UGL
ABP 1A	NO3NO2	1991Q1		860	UGL
ABP 1A	NO3NO2	1991Q3		910	UGL
ABP 1A	NO3NO2	1991Q3		910	UGL
ABP 1A	NO3NO2	1991Q4		480	UGL
ABP 1A	NO3NO2	1997Q4		700	UGL
ABP 1A	NO3NO2	1998Q3		450	UGL
ABP 1A	NO3NO2	1998Q3		460	UGL
ABP 1A	NO3NO2	1999Q3		300	UGL

Selenium, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	SETOT	1994Q3	U		2 UGL
ABP 1A	SETOT	1995Q1	U	3.33	UGL
ABP 1A	SETOT	1996Q1	U		5 UGL
ABP 1A	SETOT	1996Q1	U		5 UGL
ABP 1A	SETOT	1996Q2	UJ		2 UGL
ABP 1A	SETOT	1997Q4	U		5 UGL
ABP 1A	SETOT	1998Q3	U		5 UGL
ABP 1A	SETOT	1998Q3	U		5 UGL
ABP 1A	SETOT	1999Q3	U		5 UGL

trans-1,2-Dichloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	T12DCE	1985Q4			5 UGL
ABP 1A	T12DCE	1987Q1			5 UGL
ABP 1A	T12DCE	1987Q3			1 UGL
ABP 1A	T12DCE	1988Q3			1 UGL
ABP 1A	T12DCE	1988Q3			2 UGL
ABP 1A	T12DCE	1988Q4	U		1 UGL
ABP 1A	T12DCE	1989Q1	U		1 UGL
ABP 1A	T12DCE	1989Q1	U		1 UGL
ABP 1A	T12DCE	1989Q2	U		1 UGL
ABP 1A	T12DCE	1989Q3	U		1 UGL
ABP 1A	T12DCE	1989Q3	U		1 UGL
ABP 1A	T12DCE	1989Q3	U		1 UGL
ABP 1A	T12DCE	1989Q4	U		1 UGL
ABP 1A	T12DCE	1989Q4	U		1 UGL
ABP 1A	T12DCE	1990Q1	U		1 UGL
ABP 1A	T12DCE	1990Q2	U		1 UGL
ABP 1A	T12DCE	1990Q2	U		1 UGL
ABP 1A	T12DCE	1990Q3	U		1 UGL
ABP 1A	T12DCE	1990Q3	U		1 UGL
ABP 1A	T12DCE	1990Q3	U		1 UGL
ABP 1A	T12DCE	1990Q3	U		1 UGL
ABP 1A	T12DCE	1990Q3	U		1 UGL
ABP 1A	T12DCE	1990Q4	U		1 UGL
ABP 1A	T12DCE	1990Q4	U		5 UGL
ABP 1A	T12DCE	1990Q4	U		5 UGL
ABP 1A	T12DCE	1991Q1	U		1 UGL
ABP 1A	T12DCE	1991Q1	U		1 UGL
ABP 1A	T12DCE	1991Q1	U		1 UGL
ABP 1A	T12DCE	1991Q2	U		1 UGL
ABP 1A	T12DCE	1991Q3	U		1 UGL
ABP 1A	T12DCE	1991Q3	U		1 UGL
ABP 1A	T12DCE	1991Q4	U		1 UGL
ABP 1A	T12DCE	1992Q1	U		1 UGL
ABP 1A	T12DCE	1992Q2	U		1 UGL
ABP 1A	T12DCE	1992Q2	U		1 UGL
ABP 1A	T12DCE	1992Q2	U		5 UGL
ABP 1A	T12DCE	1992Q2	U		5 UGL
ABP 1A	T12DCE	1992Q3	U		1 UGL
ABP 1A	T12DCE	1993Q2	U		1 UGL
ABP 1A	T12DCE	1993Q3	UJ		1 UGL
ABP 1A	T12DCE	1993Q4	U		1 UGL
ABP 1A	T12DCE	1993Q4	U		1 UGL
ABP 1A	T12DCE	1993Q4	U		5 UGL
ABP 1A	T12DCE	1993Q4	U		5 UGL
ABP 1A	T12DCE	1994Q1	U		1 UGL
ABP 1A	T12DCE	1994Q2	U		1 UGL
ABP 1A	T12DCE	1994Q2	U		1 UGL
ABP 1A	T12DCE	1994Q2	U		5 UGL
ABP 1A	T12DCE	1994Q2	U		5 UGL
ABP 1A	T12DCE	1994Q3	U		1 UGL
ABP 1A	T12DCE	1995Q1	U		1.67 UGL
ABP 1A	T12DCE	1997Q4	U		1 UGL
ABP 1A	T12DCE	1998Q3	U		1 UGL
ABP 1A	T12DCE	1998Q3	U		1 UGL
ABP 1A	T12DCE	1999Q3	U		1 UGL

1,1,2,2-Tetrachloroethane in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	TCLEA	1985Q4			10 UGL
ABP 1A	TCLEA	1987Q1			10 UGL
ABP 1A	TCLEA	1987Q3			1 UGL
ABP 1A	TCLEA	1989Q3	U		1 UGL
ABP 1A	TCLEA	1989Q3	U		1 UGL
ABP 1A	TCLEA	1990Q3	U		1 UGL
ABP 1A	TCLEA	1990Q3	U		1 UGL
ABP 1A	TCLEA	1990Q3	U		1 UGL
ABP 1A	TCLEA	1990Q3	U		5 UGL
ABP 1A	TCLEA	1990Q3	U		5 UGL
ABP 1A	TCLEA	1990Q4	U		5 UGL
ABP 1A	TCLEA	1990Q4	U		5 UGL
ABP 1A	TCLEA	1991Q1	U		1 UGL
ABP 1A	TCLEA	1991Q1	U		1 UGL
ABP 1A	TCLEA	1991Q1	U		1 UGL
ABP 1A	TCLEA	1991Q1	U		5 UGL
ABP 1A	TCLEA	1991Q1	U		5 UGL
ABP 1A	TCLEA	1991Q2	U		1 UGL
ABP 1A	TCLEA	1991Q3	U		1 UGL
ABP 1A	TCLEA	1991Q3	U		1 UGL
ABP 1A	TCLEA	1991Q4	U		1 UGL
ABP 1A	TCLEA	1992Q1	U		1 UGL
ABP 1A	TCLEA	1992Q2	U		1 UGL
ABP 1A	TCLEA	1992Q2	U		1 UGL
ABP 1A	TCLEA	1992Q2	U		5 UGL
ABP 1A	TCLEA	1992Q2	U		5 UGL
ABP 1A	TCLEA	1992Q3	U		1 UGL
ABP 1A	TCLEA	1993Q2	U		1 UGL
ABP 1A	TCLEA	1993Q3	UJ		1 UGL
ABP 1A	TCLEA	1993Q4	U		1 UGL
ABP 1A	TCLEA	1993Q4	U		1 UGL
ABP 1A	TCLEA	1993Q4	U		5 UGL
ABP 1A	TCLEA	1993Q4	U		5 UGL
ABP 1A	TCLEA	1994Q1	U		1 UGL
ABP 1A	TCLEA	1994Q2	U		1 UGL
ABP 1A	TCLEA	1994Q2	U		1 UGL
ABP 1A	TCLEA	1994Q2	U		5 UGL
ABP 1A	TCLEA	1994Q2	U		5 UGL
ABP 1A	TCLEA	1994Q3	U		1 UGL
ABP 1A	TCLEA	1995Q1	U		1.67 UGL
ABP 1A	TCLEA	1996Q1	U		2 UGL
ABP 1A	TCLEA	1996Q2	U		2 UGL
ABP 1A	TCLEA	1997Q4	U		1 UGL
ABP 1A	TCLEA	1998Q3	U		1 UGL
ABP 1A	TCLEA	1998Q3	U		1 UGL
ABP 1A	TCLEA	1999Q3	U		1 UGL

Tetrachloroethylene in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	TCLEE	1985Q4		5	UGL
ABP 1A	TCLEE	1986Q3		3.72	UGL
ABP 1A	TCLEE	1986Q4		3.37	UGL
ABP 1A	TCLEE	1987Q1		1	UGL
ABP 1A	TCLEE	1987Q1		5	UGL
ABP 1A	TCLEE	1987Q2		1	UGL
ABP 1A	TCLEE	1987Q3		1	UGL
ABP 1A	TCLEE	1987Q3		1	UGL
ABP 1A	TCLEE	1987Q3		1	UGL
ABP 1A	TCLEE	1987Q3		1.34	UGL
ABP 1A	TCLEE	1987Q4		1	UGL
ABP 1A	TCLEE	1988Q1		1	UGL
ABP 1A	TCLEE	1988Q1		1	UGL
ABP 1A	TCLEE	1988Q2		1	UGL
ABP 1A	TCLEE	1988Q3		1	UGL
ABP 1A	TCLEE	1988Q3		1	UGL
ABP 1A	TCLEE	1988Q3		1	UGL
ABP 1A	TCLEE	1988Q3		1	UGL
ABP 1A	TCLEE	1988Q3		2	UGL
ABP 1A	TCLEE	1988Q3		3	UGL
ABP 1A	TCLEE	1988Q3	U	1	UGL
ABP 1A	TCLEE	1988Q4	U	1	UGL
ABP 1A	TCLEE	1989Q1		1.64	UGL
ABP 1A	TCLEE	1989Q1	U	1	UGL
ABP 1A	TCLEE	1989Q1	U	1	UGL
ABP 1A	TCLEE	1989Q2	U	1	UGL
ABP 1A	TCLEE	1989Q3	U	1	UGL
ABP 1A	TCLEE	1989Q3	U	1	UGL
ABP 1A	TCLEE	1989Q3	U	1	UGL
ABP 1A	TCLEE	1989Q4	U	1	UGL
ABP 1A	TCLEE	1989Q4	U	1	UGL
ABP 1A	TCLEE	1989Q4	U	1	UGL
ABP 1A	TCLEE	1989Q4	U	5	UGL
ABP 1A	TCLEE	1990Q1	U	1	UGL
ABP 1A	TCLEE	1990Q1	U	1	UGL
ABP 1A	TCLEE	1990Q1	U	1	UGL
ABP 1A	TCLEE	1990Q2	U	0.4	UGL
ABP 1A	TCLEE	1990Q2	U	1	UGL
ABP 1A	TCLEE	1990Q2	U	1	UGL
ABP 1A	TCLEE	1990Q2	U	1	UGL
ABP 1A	TCLEE	1990Q3		1	UGL
ABP 1A	TCLEE	1990Q3	U	1	UGL
ABP 1A	TCLEE	1990Q3	U	1	UGL
ABP 1A	TCLEE	1990Q3	U	1	UGL
ABP 1A	TCLEE	1990Q3	U	10	UGL
ABP 1A	TCLEE	1990Q3	U	10	UGL
ABP 1A	TCLEE	1990Q4	U	1	UGL
ABP 1A	TCLEE	1990Q4	U	5	UGL
ABP 1A	TCLEE	1990Q4	U	5	UGL
ABP 1A	TCLEE	1991Q1	U	1	UGL
ABP 1A	TCLEE	1991Q1	U	1	UGL
ABP 1A	TCLEE	1991Q1	U	1	UGL
ABP 1A	TCLEE	1991Q1	U	10	UGL
ABP 1A	TCLEE	1991Q1	U	10	UGL
ABP 1A	TCLEE	1991Q2	U	1	UGL
ABP 1A	TCLEE	1991Q3	U	1	UGL
ABP 1A	TCLEE	1991Q3	U	1	UGL
ABP 1A	TCLEE	1991Q4	U	1	UGL
ABP 1A	TCLEE	1992Q1	U	1	UGL
ABP 1A	TCLEE	1992Q2		2.77	UGL
ABP 1A	TCLEE	1992Q2		6.23	UGL
ABP 1A	TCLEE	1992Q2	J	1.97	UGL

Zinc, total recoverable in ABP 1A

Data Retrieved by AWSA v1 from GIMS on 23NOV99 at 08:45

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 1A	ZNTOT	1994Q3		20.1	UGL
ABP 1A	ZNTOT	1995Q1	U	3.33	UGL
ABP 1A	ZNTOT	1996Q1	J	3.12	UGL
ABP 1A	ZNTOT	1996Q1	UJ	5	UGL
ABP 1A	ZNTOT	1996Q2	U	2.48	UGL
ABP 1A	ZNTOT	1997Q4		45.9	UGL
ABP 1A	ZNTOT	1998Q3	U	5	UGL
ABP 1A	ZNTOT	1998Q3	U	5	UGL
ABP 1A	ZNTOT	1999Q3	J	3.23	UGL

WELL ABP-4 DATA

Field pH in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	FPH	1985Q1		3.8	PH
ABP 4	FPH	1985Q2		4.7	PH
ABP 4	FPH	1985Q3		4.4	PH
ABP 4	FPH	1985Q4		4.3	PH
ABP 4	FPH	1986Q1		4.1	PH
ABP 4	FPH	1986Q2		5.1	PH
ABP 4	FPH	1986Q2		5.1	PH
ABP 4	FPH	1986Q2		5.1	PH
ABP 4	FPH	1986Q3		5	PH
ABP 4	FPH	1986Q4		4.5	PH
ABP 4	FPH	1987Q1		4.5	PH
ABP 4	FPH	1987Q2		5	PH
ABP 4	FPH	1987Q3		4.5	PH
ABP 4	FPH	1987Q4		5.3	PH
ABP 4	FPH	1988Q1		5.1	PH
ABP 4	FPH	1988Q1		5.1	PH
ABP 4	FPH	1988Q1		5.1	PH
ABP 4	FPH	1988Q2		5.2	PH
ABP 4	FPH	1988Q2		5.2	PH
ABP 4	FPH	1988Q2		5.2	PH
ABP 4	FPH	1988Q3		4.8	PH
ABP 4	FPH	1988Q4		4.8	PH
ABP 4	FPH	1989Q1		4.4	PH
ABP 4	FPH	1989Q2		5.1	PH
ABP 4	FPH	1989Q3		4.7	PH
ABP 4	FPH	1989Q3		4.7	PH
ABP 4	FPH	1989Q3		5.1	PH
ABP 4	FPH	1989Q4		4.7	PH
ABP 4	FPH	1990Q1		4.7	PH
ABP 4	FPH	1990Q1		4.7	PH
ABP 4	FPH	1990Q2		4.8	PH
ABP 4	FPH	1990Q3		4.9	PH
ABP 4	FPH	1990Q4		4.8	PH
ABP 4	FPH	1990Q4		4.8	PH
ABP 4	FPH	1991Q1		5	PH
ABP 4	FPH	1991Q2		4.8	PH
ABP 4	FPH	1991Q3		4.9	PH
ABP 4	FPH	1991Q4		5	PH
ABP 4	FPH	1992Q1		5.1	PH
ABP 4	FPH	1992Q1		5.1	PH
ABP 4	FPH	1992Q2		5.3	PH
ABP 4	FPH	1992Q2		5.3	PH
ABP 4	FPH	1992Q3		4.9	PH
ABP 4	FPH	1992Q4		4.9	PH
ABP 4	FPH	1993Q1		4.8	PH
ABP 4	FPH	1993Q2		5.2	PH
ABP 4	FPH	1993Q3		4.9	PH
ABP 4	FPH	1993Q4		4.8	PH
ABP 4	FPH	1994Q1		5.1	PH
ABP 4	FPH	1994Q2		4.9	PH
ABP 4	FPH	1994Q3		4.8	PH
ABP 4	FPH	1995Q1		5	PH
ABP 4	FPH	1996Q1		4.6	PH
ABP 4	FPH	1996Q2		4.6	PH
ABP 4	FPH	1997Q4		4	PH
ABP 4	FPH	1998Q3		6	PH
ABP 4	FPH	1999Q3		5	PH
ABP 4	FPH	1999Q3		5	PH

Specific Conductance in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	COND	1985Q1		27	USCM
ABP 4	COND	1985Q2		18	USCM
ABP 4	COND	1985Q3		20	USCM
ABP 4	COND	1985Q4		24	USCM
ABP 4	COND	1986Q1		21	USCM
ABP 4	COND	1986Q2		20	USCM
ABP 4	COND	1986Q2		20	USCM
ABP 4	COND	1986Q2		20	USCM
ABP 4	COND	1986Q3		30	USCM
ABP 4	COND	1986Q4		30	USCM
ABP 4	COND	1987Q1		32	USCM
ABP 4	COND	1987Q2		22	USCM
ABP 4	COND	1987Q3		22	USCM
ABP 4	COND	1987Q4		23	USCM
ABP 4	COND	1988Q1		20	USCM
ABP 4	COND	1988Q1		20	USCM
ABP 4	COND	1988Q1		20	USCM
ABP 4	COND	1988Q2		20	USCM
ABP 4	COND	1988Q2		20	USCM
ABP 4	COND	1988Q2		20	USCM
ABP 4	COND	1988Q3		21	USCM
ABP 4	COND	1988Q4		21	USCM
ABP 4	COND	1989Q1		21	USCM
ABP 4	COND	1989Q2		18	USCM
ABP 4	COND	1989Q3		20	USCM
ABP 4	COND	1989Q3		20	USCM
ABP 4	COND	1989Q3		20	USCM
ABP 4	COND	1989Q4		19	USCM
ABP 4	COND	1990Q1		20	USCM
ABP 4	COND	1990Q1		20	USCM
ABP 4	COND	1990Q2		23	USCM
ABP 4	COND	1990Q3		22	USCM
ABP 4	COND	1990Q4		26	USCM
ABP 4	COND	1990Q4		26	USCM
ABP 4	COND	1991Q1		23	USCM
ABP 4	COND	1991Q2		22	USCM
ABP 4	COND	1991Q3		20	USCM
ABP 4	COND	1991Q4		19	USCM
ABP 4	COND	1992Q1		14	USCM
ABP 4	COND	1992Q1		14	USCM
ABP 4	COND	1992Q2		19	USCM
ABP 4	COND	1992Q2		19	USCM
ABP 4	COND	1992Q3		21	USCM
ABP 4	COND	1992Q4		15	USCM
ABP 4	COND	1993Q1		15	USCM
ABP 4	COND	1993Q2		15	USCM
ABP 4	COND	1993Q3		16	USCM
ABP 4	COND	1993Q4		15	USCM
ABP 4	COND	1994Q1		13	USCM
ABP 4	COND	1994Q2		15	USCM
ABP 4	COND	1994Q3		14	USCM
ABP 4	COND	1995Q1		11	USCM
ABP 4	COND	1996Q1		14	USCM
ABP 4	COND	1996Q2		10	USCM
ABP 4	COND	1997Q4		16	USCM
ABP 4	COND	1998Q3		13	USCM
ABP 4	COND	1999Q3		13	USCM
ABP 4	COND	1999Q3		13	USCM

Calcium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CATOT	1993Q1		540	UGL
ABP 4	CATOT	1993Q1		599	UGL
ABP 4	CATOT	1993Q1		615	UGL
ABP 4	CATOT	1993Q1		634	UGL
ABP 4	CATOT	1993Q1		637	UGL
ABP 4	CATOT	1996Q1		503	UGL
ABP 4	CATOT	1996Q1		560	UGL
ABP 4	CATOT	1996Q1	J	399	UGL
ABP 4	CATOT	1996Q1	J	425	UGL
ABP 4	CATOT	1996Q1	J	426	UGL
ABP 4	CATOT	1996Q2		557	UGL
ABP 4	CATOT	1997Q4		477	UGL
ABP 4	CATOT	1998Q3		543	UGL
ABP 4	CATOT	1998Q3		645	UGL
ABP 4	CATOT	1999Q3		470	UGL
ABP 4	CATOT	1999Q3		477	UGL

Potassium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	KTOT	1993Q1	J	519	UGL
ABP 4	KTOT	1993Q1	U	500	UGL
ABP 4	KTOT	1993Q1	U	500	UGL
ABP 4	KTOT	1993Q1	U	500	UGL
ABP 4	KTOT	1993Q1	U	500	UGL
ABP 4	KTOT	1996Q1		148	UGL
ABP 4	KTOT	1996Q1		171	UGL
ABP 4	KTOT	1996Q1		188	UGL
ABP 4	KTOT	1996Q1	J	189	UGL
ABP 4	KTOT	1996Q1	J	192	UGL
ABP 4	KTOT	1996Q2	U	2000	UGL
ABP 4	KTOT	1997Q4		177	UGL
ABP 4	KTOT	1998Q3		193	UGL
ABP 4	KTOT	1998Q3		196	UGL
ABP 4	KTOT	1999Q3		168	UGL
ABP 4	KTOT	1999Q3		176	UGL

Sodium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	NATOT	1993Q1		851	UGL
ABP 4	NATOT	1993Q1		877	UGL
ABP 4	NATOT	1993Q1		881	UGL
ABP 4	NATOT	1993Q1		923	UGL
ABP 4	NATOT	1993Q1		938	UGL
ABP 4	NATOT	1996Q1		765	UGL
ABP 4	NATOT	1996Q1		812	UGL
ABP 4	NATOT	1996Q1		813	UGL
ABP 4	NATOT	1996Q1		900	UGL
ABP 4	NATOT	1996Q1		905	UGL
ABP 4	NATOT	1996Q2		1110	UGL
ABP 4	NATOT	1997Q4		946	UGL
ABP 4	NATOT	1998Q3		931	UGL
ABP 4	NATOT	1998Q3		945	UGL
ABP 4	NATOT	1999Q3		960	UGL
ABP 4	NATOT	1999Q3		976	UGL

Chromium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CRTOT	1993Q1	U	4	UGL
ABP 4	CRTOT	1993Q1	U	4	UGL
ABP 4	CRTOT	1993Q1	U	4	UGL
ABP 4	CRTOT	1993Q1	U	4	UGL
ABP 4	CRTOT	1993Q1	U	4	UGL
ABP 4	CRTOT	1995Q1	U	6.67	UGL
ABP 4	CRTOT	1996Q1	J	0.655	UGL
ABP 4	CRTOT	1996Q1	U	4	UGL
ABP 4	CRTOT	1996Q1	U	7	UGL
ABP 4	CRTOT	1996Q1	U	7	UGL
ABP 4	CRTOT	1996Q1	U	7	UGL
ABP 4	CRTOT	1996Q2	U	25	UGL
ABP 4	CRTOT	1997Q4	U	5	UGL
ABP 4	CRTOT	1998Q3	J	1.43	UGL
ABP 4	CRTOT	1999Q3	J	3.1	UGL
ABP 4	CRTOT	1999Q3	U	5	UGL

Iron, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	FETOT	1993Q1	J	6.3	UGL
ABP 4	FETOT	1993Q1	J	11.2	UGL
ABP 4	FETOT	1993Q1	U	4	UGL
ABP 4	FETOT	1993Q1	U	4	UGL
ABP 4	FETOT	1993Q1	U	4	UGL
ABP 4	FETOT	1996Q1		186	UGL
ABP 4	FETOT	1996Q1	J	16.8	UGL
ABP 4	FETOT	1996Q1	J	17.4	UGL
ABP 4	FETOT	1996Q1	J	19.2	UGL
ABP 4	FETOT	1996Q1	UJ	18	UGL
ABP 4	FETOT	1996Q2	U	100	UGL
ABP 4	FETOT	1998Q3		130	UGL
ABP 4	FETOT	1999Q3		50.2	UGL
ABP 4	FETOT	1999Q3		61.4	UGL

Manganese, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	MNTOT	1993Q1		2.5	UGL
ABP 4	MNTOT	1993Q1		2.6	UGL
ABP 4	MNTOT	1993Q1		2.8	UGL
ABP 4	MNTOT	1993Q1		3.12	UGL
ABP 4	MNTOT	1993Q1		3.18	UGL
ABP 4	MNTOT	1993Q3		2.47	UGL
ABP 4	MNTOT	1994Q1	J	2.46	UGL
ABP 4	MNTOT	1994Q1	J	2.47	UGL
ABP 4	MNTOT	1994Q1	J	2.49	UGL
ABP 4	MNTOT	1994Q1	J	2.53	UGL
ABP 4	MNTOT	1994Q3	J	2.33	UGL
ABP 4	MNTOT	1995Q1	J	2.32	UGL
ABP 4	MNTOT	1996Q1		2.09	UGL
ABP 4	MNTOT	1996Q1		2.15	UGL
ABP 4	MNTOT	1996Q1	J	2.5	UGL
ABP 4	MNTOT	1996Q1	J	2.5	UGL
ABP 4	MNTOT	1996Q1	J	3.7	UGL
ABP 4	MNTOT	1996Q2	U	10	UGL
ABP 4	MNTOT	1997Q4	J	4.41	UGL
ABP 4	MNTOT	1998Q3		4.01	UGL
ABP 4	MNTOT	1999Q3	U	10	UGL
ABP 4	MNTOT	1999Q3	U	10	UGL

Aluminum, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	ALTOT	1992Q4	U	20	UGL
ABP 4	ALTOT	1993Q1	U	20	UGL
ABP 4	ALTOT	1993Q1	U	20	UGL
ABP 4	ALTOT	1993Q1	U	20	UGL
ABP 4	ALTOT	1993Q1	U	20	UGL
ABP 4	ALTOT	1993Q1	U	20	UGL
ABP 4	ALTOT	1993Q3	U	20	UGL
ABP 4	ALTOT	1994Q1	U	20	UGL
ABP 4	ALTOT	1994Q1	U	20	UGL
ABP 4	ALTOT	1994Q1	U	20	UGL
ABP 4	ALTOT	1994Q1	U	20	UGL
ABP 4	ALTOT	1994Q3	U	20	UGL
ABP 4	ALTOT	1995Q1	U	33.3	UGL
ABP 4	ALTOT	1996Q1	U	14.8	UGL
ABP 4	ALTOT	1996Q1	U	21.1	UGL
ABP 4	ALTOT	1996Q1	U	146	UGL
ABP 4	ALTOT	1996Q1	U	146	UGL
ABP 4	ALTOT	1996Q1	U	146	UGL
ABP 4	ALTOT	1996Q2	U	250	UGL
ABP 4	ALTOT	1997Q4	U	50	UGL
ABP 4	ALTOT	1998Q3	J	13.1	UGL
ABP 4	ALTOT	1999Q3	U	50	UGL
ABP 4	ALTOT	1999Q3	U	50	UGL

Lead, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	PBTOT	1992Q4	U		3 UGL
ABP 4	PBTOT	1993Q1	U		3 UGL
ABP 4	PBTOT	1993Q1	U		3 UGL
ABP 4	PBTOT	1993Q1	U		3 UGL
ABP 4	PBTOT	1993Q1	U		3 UGL
ABP 4	PBTOT	1993Q1	U		3 UGL
ABP 4	PBTOT	1993Q3	U		3 UGL
ABP 4	PBTOT	1994Q1	U		3 UGL
ABP 4	PBTOT	1994Q1	U		3 UGL
ABP 4	PBTOT	1994Q3	U		3 UGL
ABP 4	PBTOT	1995Q1	U		5 UGL
ABP 4	PBTOT	1996Q1	U		3.5 UGL
ABP 4	PBTOT	1996Q1	U		15 UGL
ABP 4	PBTOT	1996Q1	U		47 UGL
ABP 4	PBTOT	1996Q1	U		47 UGL
ABP 4	PBTOT	1996Q1	U		47 UGL
ABP 4	PBTOT	1996Q2			1.62 UGL
ABP 4	PBTOT	1997Q4			14.7 UGL
ABP 4	PBTOT	1998Q3	J		0.464 UGL
ABP 4	PBTOT	1999Q3	U		5 UGL
ABP 4	PBTOT	1999Q3	U		5 UGL

Chloride in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CL	1985Q1		1140	UGL
ABP 4	CL	1985Q2		1490	UGL
ABP 4	CL	1985Q3		1600	UGL
ABP 4	CL	1985Q4		1760	UGL
ABP 4	CL	1985Q4		2940	UGL
ABP 4	CL	1985Q4		3530	UGL
ABP 4	CL	1986Q1		6100	UGL
ABP 4	CL	1987Q1		2500	UGL
ABP 4	CL	1989Q2		4000	UGL
ABP 4	CL	1989Q3		1400	UGL
ABP 4	CL	1990Q3		1600	UGL
ABP 4	CL	1990Q4		1550	UGL
ABP 4	CL	1990Q4		1550	UGL
ABP 4	CL	1990Q4		1800	UGL
ABP 4	CL	1990Q4		1800	UGL
ABP 4	CL	1991Q1		1870	UGL
ABP 4	CL	1991Q2		2900	UGL
ABP 4	CL	1991Q3		1860	UGL
ABP 4	CL	1991Q4		1630	UGL
ABP 4	CL	1992Q1		1720	UGL
ABP 4	CL	1993Q1		1290	UGL
ABP 4	CL	1993Q1		1370	UGL
ABP 4	CL	1993Q1		1450	UGL
ABP 4	CL	1993Q1		1460	UGL
ABP 4	CL	1993Q1		1460	UGL
ABP 4	CL	1997Q4		1580	UGL
ABP 4	CL	1998Q3		1470	UGL
ABP 4	CL	1998Q3		1480	UGL
ABP 4	CL	1999Q3		1310	UGL
ABP 4	CL	1999Q3		1380	UGL

Carbon tetrachloride in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CCL4	1985Q4		5 UGL	
ABP 4	CCL4	1985Q4		5 UGL	
ABP 4	CCL4	1986Q3		2.49 UGL	
ABP 4	CCL4	1986Q4		1 UGL	
ABP 4	CCL4	1986Q4		1 UGL	
ABP 4	CCL4	1987Q1		1 UGL	
ABP 4	CCL4	1987Q1		5 UGL	
ABP 4	CCL4	1987Q2		1 UGL	
ABP 4	CCL4	1987Q2		1 UGL	
ABP 4	CCL4	1987Q3		1 UGL	
ABP 4	CCL4	1987Q4		1 UGL	
ABP 4	CCL4	1988Q1		1 UGL	
ABP 4	CCL4	1988Q1		1 UGL	
ABP 4	CCL4	1988Q3		1 UGL	
ABP 4	CCL4	1989Q1	U	1 UGL	
ABP 4	CCL4	1989Q3	U	1 UGL	
ABP 4	CCL4	1989Q3	U	1 UGL	
ABP 4	CCL4	1989Q3	U	5 UGL	
ABP 4	CCL4	1989Q3	U	5 UGL	
ABP 4	CCL4	1990Q1		0.73 UGL	
ABP 4	CCL4	1990Q1		1.04 UGL	
ABP 4	CCL4	1990Q1	U	1 UGL	
ABP 4	CCL4	1990Q1	U	1 UGL	
ABP 4	CCL4	1990Q3	U	1 UGL	
ABP 4	CCL4	1990Q4	U	5 UGL	
ABP 4	CCL4	1990Q4	U	5 UGL	
ABP 4	CCL4	1990Q4	U	5 UGL	
ABP 4	CCL4	1990Q4	U	5 UGL	
ABP 4	CCL4	1991Q1	U	1 UGL	
ABP 4	CCL4	1991Q2	U	1 UGL	
ABP 4	CCL4	1991Q3	U	1 UGL	
ABP 4	CCL4	1991Q4	U	1 UGL	
ABP 4	CCL4	1992Q1	U	1 UGL	
ABP 4	CCL4	1992Q2	U	1 UGL	
ABP 4	CCL4	1992Q3	U	1 UGL	
ABP 4	CCL4	1992Q3	U	1 UGL	
ABP 4	CCL4	1992Q3	U	5 UGL	
ABP 4	CCL4	1992Q3	U	5 UGL	
ABP 4	CCL4	1992Q4	U	1 UGL	
ABP 4	CCL4	1993Q1	U	1 UGL	
ABP 4	CCL4	1993Q1	U	1 UGL	
ABP 4	CCL4	1993Q1	U	5 UGL	
ABP 4	CCL4	1993Q1	U	5 UGL	
ABP 4	CCL4	1993Q2	U	1 UGL	
ABP 4	CCL4	1993Q3	UJ	1 UGL	
ABP 4	CCL4	1993Q4	U	1 UGL	
ABP 4	CCL4	1993Q4	U	1 UGL	
ABP 4	CCL4	1994Q1		2.4 UGL	
ABP 4	CCL4	1994Q1		2.4 UGL	
ABP 4	CCL4	1994Q2		3.3 UGL	
ABP 4	CCL4	1994Q3	U	1 UGL	
ABP 4	CCL4	1995Q1		2.19 UGL	
ABP 4	CCL4	1996Q1	J	1.2 UGL	
ABP 4	CCL4	1996Q1	J	1.35 UGL	
ABP 4	CCL4	1996Q1	J	1.48 UGL	
ABP 4	CCL4	1996Q1	J	1.88 UGL	
ABP 4	CCL4	1996Q1	J	2.17 UGL	
ABP 4	CCL4	1996Q2	J	1.5 UGL	
ABP 4	CCL4	1997Q4		1.49 UGL	
ABP 4	CCL4	1998Q3	J	0.511 UGL	
ABP 4	CCL4	1999Q3	J	0.905 UGL	
ABP 4	CCL4	1999Q3	J	0.975 UGL

Tetrachloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	TCLEE	1985Q4		5	UGL
ABP 4	TCLEE	1985Q4		5	UGL
ABP 4	TCLEE	1986Q3		4	UGL
ABP 4	TCLEE	1986Q4		3.33	UGL
ABP 4	TCLEE	1986Q4		3.38	UGL
ABP 4	TCLEE	1987Q1		1.14	UGL
ABP 4	TCLEE	1987Q1		5	UGL
ABP 4	TCLEE	1987Q2		1	UGL
ABP 4	TCLEE	1987Q2		1	UGL
ABP 4	TCLEE	1987Q3		1	UGL
ABP 4	TCLEE	1987Q4		1.64	UGL
ABP 4	TCLEE	1988Q1		1.79	UGL
ABP 4	TCLEE	1988Q1		1.79	UGL
ABP 4	TCLEE	1988Q2		1.49	UGL
ABP 4	TCLEE	1988Q3		1	UGL
ABP 4	TCLEE	1988Q3		1.4	UGL
ABP 4	TCLEE	1988Q4		1.76	UGL
ABP 4	TCLEE	1988Q4		2.09	UGL
ABP 4	TCLEE	1989Q1		1.46	UGL
ABP 4	TCLEE	1989Q1		3.11	UGL
ABP 4	TCLEE	1989Q2		1.88	UGL
ABP 4	TCLEE	1989Q3		2	UGL
ABP 4	TCLEE	1989Q3		2	UGL
ABP 4	TCLEE	1989Q3		2.04	UGL
ABP 4	TCLEE	1989Q3		2.09	UGL
ABP 4	TCLEE	1989Q3	U	5	UGL
ABP 4	TCLEE	1989Q3	U	5	UGL
ABP 4	TCLEE	1989Q4		2.92	UGL
ABP 4	TCLEE	1990Q1		2	UGL
ABP 4	TCLEE	1990Q1		2.67	UGL
ABP 4	TCLEE	1990Q1		2.71	UGL
ABP 4	TCLEE	1990Q1		2.87	UGL
ABP 4	TCLEE	1990Q1		3.54	UGL
ABP 4	TCLEE	1990Q1	U	1	UGL
ABP 4	TCLEE	1990Q2		2.53	UGL
ABP 4	TCLEE	1990Q3		2.86	UGL
ABP 4	TCLEE	1990Q3	U	1	UGL
ABP 4	TCLEE	1990Q4		1.87	UGL
ABP 4	TCLEE	1990Q4		2.39	UGL
ABP 4	TCLEE	1990Q4	J	3	UGL
ABP 4	TCLEE	1990Q4	J	3	UGL
ABP 4	TCLEE	1990Q4	U	5	UGL
ABP 4	TCLEE	1990Q4	U	5	UGL
ABP 4	TCLEE	1991Q1		4	UGL
ABP 4	TCLEE	1991Q2	U	1	UGL
ABP 4	TCLEE	1991Q3	U	1	UGL
ABP 4	TCLEE	1991Q4		4	UGL
ABP 4	TCLEE	1992Q1		3.15	UGL
ABP 4	TCLEE	1992Q2		3.64	UGL
ABP 4	TCLEE	1992Q3		3.42	UGL
ABP 4	TCLEE	1992Q3		3.43	UGL
ABP 4	TCLEE	1992Q3		3.43	UGL
ABP 4	TCLEE	1992Q3	J	3	UGL
ABP 4	TCLEE	1992Q3	J	3.08	UGL
ABP 4	TCLEE	1992Q4		4	UGL
ABP 4	TCLEE	1993Q1		4.6	UGL
ABP 4	TCLEE	1993Q1		4.8	UGL
ABP 4	TCLEE	1993Q1	J	3.84	UGL
ABP 4	TCLEE	1993Q1	J	3.95	UGL
ABP 4	TCLEE	1993Q2		5.6	UGL
ABP 4	TCLEE	1993Q3	J	6.91	UGL
ABP 4	TCLEE	1993Q4		4.9	UGL
ABP 4	TCLEE	1993Q4		5	UGL

Tetrachloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	TCLEE	1994Q1		14.8	UGL
ABP 4	TCLEE	1994Q1		14.9	UGL
ABP 4	TCLEE	1994Q2		16.1	UGL
ABP 4	TCLEE	1994Q3	U	1	UGL
ABP 4	TCLEE	1995Q1		11.5	UGL
ABP 4	TCLEE	1996Q1		6.96	UGL
ABP 4	TCLEE	1996Q1		7.85	UGL
ABP 4	TCLEE	1996Q1		7.87	UGL
ABP 4	TCLEE	1996Q1		8.1	UGL
ABP 4	TCLEE	1996Q1		10.1	UGL
ABP 4	TCLEE	1996Q2		7.61	UGL
ABP 4	TCLEE	1997Q4		6.74	UGL
ABP 4	TCLEE	1998Q3	J	2.76	UGL
ABP 4	TCLEE	1999Q3		4.2	UGL
ABP 4	TCLEE	1999Q3		4.4	UGL

Trichloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	TRCLE	1985Q4		5	UGL
ABP 4	TRCLE	1985Q4		5	UGL
ABP 4	TRCLE	1986Q2		3.55	UGL
ABP 4	TRCLE	1986Q3		3.67	UGL
ABP 4	TRCLE	1986Q4		5.26	UGL
ABP 4	TRCLE	1986Q4		5.78	UGL
ABP 4	TRCLE	1987Q1		3.44	UGL
ABP 4	TRCLE	1987Q1		5	UGL
ABP 4	TRCLE	1987Q2		6.2	UGL
ABP 4	TRCLE	1987Q2		6.9	UGL
ABP 4	TRCLE	1987Q3		1	UGL
ABP 4	TRCLE	1987Q4		6	UGL
ABP 4	TRCLE	1988Q1		4.18	UGL
ABP 4	TRCLE	1988Q1		4.18	UGL
ABP 4	TRCLE	1988Q2		3.9	UGL
ABP 4	TRCLE	1988Q3		2.86	UGL
ABP 4	TRCLE	1988Q3		3.66	UGL
ABP 4	TRCLE	1988Q4		4.15	UGL
ABP 4	TRCLE	1988Q4		4.92	UGL
ABP 4	TRCLE	1989Q1		5.05	UGL
ABP 4	TRCLE	1989Q1		8.59	UGL
ABP 4	TRCLE	1989Q2		4.87	UGL
ABP 4	TRCLE	1989Q3		5	UGL
ABP 4	TRCLE	1989Q3		5	UGL
ABP 4	TRCLE	1989Q3		5.08	UGL
ABP 4	TRCLE	1989Q3		5.24	UGL
ABP 4	TRCLE	1989Q3		6	UGL
ABP 4	TRCLE	1989Q3	J	5	UGL
ABP 4	TRCLE	1989Q4		8.48	UGL
ABP 4	TRCLE	1990Q1		5.55	UGL
ABP 4	TRCLE	1990Q1		5.75	UGL
ABP 4	TRCLE	1990Q1		6	UGL
ABP 4	TRCLE	1990Q1		6.56	UGL
ABP 4	TRCLE	1990Q1		7.97	UGL
ABP 4	TRCLE	1990Q1	U	1	UGL
ABP 4	TRCLE	1990Q2		6.31	UGL
ABP 4	TRCLE	1990Q3		7	UGL
ABP 4	TRCLE	1990Q3		7.43	UGL
ABP 4	TRCLE	1990Q4		5.3	UGL
ABP 4	TRCLE	1990Q4		6	UGL
ABP 4	TRCLE	1990Q4		6	UGL
ABP 4	TRCLE	1990Q4		6.88	UGL
ABP 4	TRCLE	1990Q4		8	UGL
ABP 4	TRCLE	1990Q4		8	UGL
ABP 4	TRCLE	1991Q1		8	UGL
ABP 4	TRCLE	1991Q2	U	1	UGL
ABP 4	TRCLE	1991Q3		11	UGL
ABP 4	TRCLE	1991Q4		11	UGL
ABP 4	TRCLE	1992Q1		9.32	UGL
ABP 4	TRCLE	1992Q2		9.39	UGL
ABP 4	TRCLE	1992Q3		9.7	UGL
ABP 4	TRCLE	1992Q3		9.76	UGL
ABP 4	TRCLE	1992Q3		10.4	UGL
ABP 4	TRCLE	1992Q3		10.5	UGL
ABP 4	TRCLE	1992Q3		10.8	UGL
ABP 4	TRCLE	1992Q4		11.9	UGL
ABP 4	TRCLE	1993Q1		14.5	UGL
ABP 4	TRCLE	1993Q1		15	UGL
ABP 4	TRCLE	1993Q1		15	UGL
ABP 4	TRCLE	1993Q1		16.7	UGL
ABP 4	TRCLE	1993Q2		23	UGL
ABP 4	TRCLE	1993Q3	J	30.2	UGL
ABP 4	TRCLE	1993Q4		12.3	UGL

Trichloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	TRCLE	1993Q4		12.5	UGL
ABP 4	TRCLE	1994Q1		76	UGL
ABP 4	TRCLE	1994Q1		77.3	UGL
ABP 4	TRCLE	1994Q2		85	UGL
ABP 4	TRCLE	1994Q3	U	1	UGL
ABP 4	TRCLE	1995Q1		83.4	UGL
ABP 4	TRCLE	1996Q1		38.4	UGL
ABP 4	TRCLE	1996Q1		39.9	UGL
ABP 4	TRCLE	1996Q1		44.4	UGL
ABP 4	TRCLE	1996Q1		57.4	UGL
ABP 4	TRCLE	1996Q1		62.3	UGL
ABP 4	TRCLE	1996Q2		44.4	UGL
ABP 4	TRCLE	1997Q4		37.2	UGL
ABP 4	TRCLE	1998Q3	J	16.7	UGL
ABP 4	TRCLE	1999Q3		28.4	UGL
ABP 4	TRCLE	1999Q3		28.8	UGL

Gross alpha in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	ALPHAG	1985Q1		0.8	PCL
ABP 4	ALPHAG	1985Q2		2	PCL
ABP 4	ALPHAG	1985Q3		10	PCL
ABP 4	ALPHAG	1985Q4		2	PCL
ABP 4	ALPHAG	1985Q4		5	PCL
ABP 4	ALPHAG	1986Q1		2	PCL
ABP 4	ALPHAG	1987Q1		1.9	PCL
ABP 4	ALPHAG	1987Q1		3	PCL
ABP 4	ALPHAG	1988Q1		5.4	PCL
ABP 4	ALPHAG	1988Q1		5.4	PCL
ABP 4	ALPHAG	1989Q1		2.33	PCL
ABP 4	ALPHAG	1989Q1		2.36	PCL
ABP 4	ALPHAG	1989Q2	U	3	PCL
ABP 4	ALPHAG	1989Q3	U	3	PCL
ABP 4	ALPHAG	1990Q1	U	3	PCL
ABP 4	ALPHAG	1990Q1	U	3	PCL
ABP 4	ALPHAG	1990Q1	U	3	PCL
ABP 4	ALPHAG	1990Q3	U	2	PCL
ABP 4	ALPHAG	1990Q4	U	2	PCL
ABP 4	ALPHAG	1990Q4	U	2	PCL
ABP 4	ALPHAG	1990Q4	U	3	PCL
ABP 4	ALPHAG	1990Q4	U	4	PCL
ABP 4	ALPHAG	1991Q1	U	2	PCL
ABP 4	ALPHAG	1991Q2	U	2	PCL
ABP 4	ALPHAG	1991Q3	U	2	PCL
ABP 4	ALPHAG	1991Q4	U	2	PCL
ABP 4	ALPHAG	1992Q1	U	2	PCL
ABP 4	ALPHAG	1992Q3		2.3	PCL
ABP 4	ALPHAG	1992Q3		2.9	PCL
ABP 4	ALPHAG	1992Q3		3	PCL
ABP 4	ALPHAG	1993Q1		1.9	PCL
ABP 4	ALPHAG	1993Q1		1.9	PCL
ABP 4	ALPHAG	1993Q1		2.6	PCL
ABP 4	ALPHAG	1993Q1		2.86	PCL
ABP 4	ALPHAG	1993Q1	U	2	PCL
ABP 4	ALPHAG	1994Q3		1.94	PCL
ABP 4	ALPHAG	1995Q1		1.29	PCL
ABP 4	ALPHAG	1996Q1		0.837	PCL
ABP 4	ALPHAG	1996Q1		1.04	PCL
ABP 4	ALPHAG	1996Q1		2.02	PCL
ABP 4	ALPHAG	1996Q1		2.03	PCL
ABP 4	ALPHAG	1996Q1	UI	0.82	PCL
ABP 4	ALPHAG	1996Q2		1.08	PCL
ABP 4	ALPHAG	1997Q4		2.4	PCL
ABP 4	ALPHAG	1998Q3		0.794	PCL
ABP 4	ALPHAG	1999Q3	J	1.08	PCL
ABP 4	ALPHAG	1999Q3	J	1.46	PCL

1,1,1-Trichloroethane in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	111TCE	1985Q4		5	UGL
ABP 4	111TCE	1985Q4		5	UGL
ABP 4	111TCE	1986Q3		1	UGL
ABP 4	111TCE	1986Q4		1	UGL
ABP 4	111TCE	1986Q4		2.6	UGL
ABP 4	111TCE	1987Q1		1	UGL
ABP 4	111TCE	1987Q1		5	UGL
ABP 4	111TCE	1987Q2		1	UGL
ABP 4	111TCE	1987Q2		1	UGL
ABP 4	111TCE	1987Q3		1	UGL
ABP 4	111TCE	1987Q4		1	UGL
ABP 4	111TCE	1988Q1		1	UGL
ABP 4	111TCE	1988Q1		1	UGL
ABP 4	111TCE	1988Q2		1	UGL
ABP 4	111TCE	1988Q3		1	UGL
ABP 4	111TCE	1988Q3		1	UGL
ABP 4	111TCE	1988Q4	U	1	UGL
ABP 4	111TCE	1988Q4	U	1	UGL
ABP 4	111TCE	1989Q1	U	1	UGL
ABP 4	111TCE	1989Q2	U	1	UGL
ABP 4	111TCE	1989Q3	U	1	UGL
ABP 4	111TCE	1989Q3	U	1	UGL
ABP 4	111TCE	1989Q3	U	1	UGL
ABP 4	111TCE	1989Q3	U	1	UGL
ABP 4	111TCE	1989Q3	U	5	UGL
ABP 4	111TCE	1989Q3	U	5	UGL
ABP 4	111TCE	1989Q4	U	1	UGL
ABP 4	111TCE	1990Q1	U	0.4	UGL
ABP 4	111TCE	1990Q1	U	0.4	UGL
ABP 4	111TCE	1990Q1	U	1	UGL
ABP 4	111TCE	1990Q1	U	1	UGL
ABP 4	111TCE	1990Q1	U	1	UGL
ABP 4	111TCE	1990Q2	U	1	UGL
ABP 4	111TCE	1990Q3	U	1	UGL
ABP 4	111TCE	1990Q3	U	1	UGL
ABP 4	111TCE	1990Q4	U	1	UGL
ABP 4	111TCE	1990Q4	U	1	UGL
ABP 4	111TCE	1990Q4	U	5	UGL
ABP 4	111TCE	1990Q4	U	5	UGL
ABP 4	111TCE	1990Q4	U	5	UGL
ABP 4	111TCE	1990Q4	U	5	UGL
ABP 4	111TCE	1991Q1	U	1	UGL
ABP 4	111TCE	1991Q2	U	1	UGL
ABP 4	111TCE	1991Q3	U	1	UGL
ABP 4	111TCE	1991Q4	U	1	UGL
ABP 4	111TCE	1992Q1	U	1	UGL
ABP 4	111TCE	1992Q2	U	1	UGL
ABP 4	111TCE	1992Q3	U	1	UGL
ABP 4	111TCE	1992Q3	U	1	UGL
ABP 4	111TCE	1992Q3	U	5	UGL
ABP 4	111TCE	1992Q3	U	5	UGL
ABP 4	111TCE	1992Q4	U	1	UGL
ABP 4	111TCE	1993Q1	U	1	UGL
ABP 4	111TCE	1993Q1	U	1	UGL
ABP 4	111TCE	1993Q1	U	5	UGL
ABP 4	111TCE	1993Q1	U	5	UGL
ABP 4	111TCE	1993Q2	U	1	UGL
ABP 4	111TCE	1993Q3	UJ	1	UGL
ABP 4	111TCE	1993Q4	U	1	UGL
ABP 4	111TCE	1993Q4	U	1	UGL
ABP 4	111TCE	1994Q1	U	1	UGL
ABP 4	111TCE	1994Q2	U	1	UGL
ABP 4	111TCE	1994Q3	U	1	UGL
ABP 4	111TCE	1995Q1	U	1.67	UGL

1,1,1-Trichloroethane In ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	111TCE	1996Q1	U		2 UGL
ABP 4	111TCE	1996Q1	U		2 UGL
ABP 4	111TCE	1996Q1	U		2 UGL
ABP 4	111TCE	1996Q1	U		5 UGL
ABP 4	111TCE	1996Q1	U		5 UGL
ABP 4	111TCE	1996Q2	U		2 UGL
ABP 4	111TCE	1997Q4	U		1 UGL
ABP 4	111TCE	1998Q3	U		1 UGL
ABP 4	111TCE	1999Q3	U		1 UGL
ABP 4	111TCE	1999Q3	U		1 UGL

1,1-Dichloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	11DCE	1985Q4			5 UGL
ABP 4	11DCE	1985Q4			5 UGL
ABP 4	11DCE	1987Q1			5 UGL
ABP 4	11DCE	1988Q3			1 UGL
ABP 4	11DCE	1988Q4	U		1 UGL
ABP 4	11DCE	1988Q4	U		1 UGL
ABP 4	11DCE	1989Q1	U		1 UGL
ABP 4	11DCE	1989Q2	U		1 UGL
ABP 4	11DCE	1989Q3	U		1 UGL
ABP 4	11DCE	1989Q3	U		1 UGL
ABP 4	11DCE	1989Q3	U		1 UGL
ABP 4	11DCE	1989Q3	U		5 UGL
ABP 4	11DCE	1989Q3	U		5 UGL
ABP 4	11DCE	1989Q4	U		1 UGL
ABP 4	11DCE	1990Q1	U		1 UGL
ABP 4	11DCE	1990Q1	U		1 UGL
ABP 4	11DCE	1990Q2	U		1 UGL
ABP 4	11DCE	1990Q3	U		1 UGL
ABP 4	11DCE	1990Q3	U		1 UGL
ABP 4	11DCE	1990Q4	U		1 UGL
ABP 4	11DCE	1990Q4	U		1 UGL
ABP 4	11DCE	1990Q4	U		5 UGL
ABP 4	11DCE	1990Q4	U		5 UGL
ABP 4	11DCE	1990Q4	U		5 UGL
ABP 4	11DCE	1990Q4	U		5 UGL
ABP 4	11DCE	1991Q1	U		1 UGL
ABP 4	11DCE	1991Q2	U		1 UGL
ABP 4	11DCE	1991Q3	U		1 UGL
ABP 4	11DCE	1991Q4	U		1 UGL
ABP 4	11DCE	1992Q1	U		1 UGL
ABP 4	11DCE	1992Q2	U		1 UGL
ABP 4	11DCE	1992Q3	U		1 UGL
ABP 4	11DCE	1992Q3	U		1 UGL
ABP 4	11DCE	1992Q3	U		1 UGL
ABP 4	11DCE	1992Q3	U		5 UGL
ABP 4	11DCE	1992Q3	U		5 UGL
ABP 4	11DCE	1992Q4	U		1 UGL
ABP 4	11DCE	1993Q1	U		1 UGL
ABP 4	11DCE	1993Q1	U		1 UGL
ABP 4	11DCE	1993Q1	U		5 UGL
ABP 4	11DCE	1993Q1	U		5 UGL
ABP 4	11DCE	1993Q2	U		1 UGL
ABP 4	11DCE	1993Q3	UJ		1 UGL
ABP 4	11DCE	1993Q4	U		1 UGL
ABP 4	11DCE	1993Q4	U		1 UGL
ABP 4	11DCE	1994Q1	U		1 UGL
ABP 4	11DCE	1994Q1	U		1 UGL
ABP 4	11DCE	1994Q2	U		1 UGL
ABP 4	11DCE	1994Q3	U		1 UGL
ABP 4	11DCE	1995Q1	U		1.67 UGL
ABP 4	11DCE	1996Q1	U		2 UGL
ABP 4	11DCE	1996Q1	U		2 UGL
ABP 4	11DCE	1996Q1	U		2 UGL
ABP 4	11DCE	1996Q1	U		5 UGL
ABP 4	11DCE	1996Q1	U		5 UGL
ABP 4	11DCE	1996Q2	U		2 UGL
ABP 4	11DCE	1997Q4	U		1 UGL
ABP 4	11DCE	1998Q3	U		1 UGL
ABP 4	11DCE	1999Q3	U		1 UGL
ABP 4	11DCE	1999Q3	U		1 UGL

1,1-Dichloroethane in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	11DCLE	1985Q4			5 UGL
ABP 4	11DCLE	1985Q4			5 UGL
ABP 4	11DCLE	1987Q1			5 UGL
ABP 4	11DCLE	1989Q3	U		1 UGL
ABP 4	11DCLE	1989Q3	U		1 UGL
ABP 4	11DCLE	1989Q3	U		5 UGL
ABP 4	11DCLE	1989Q3	U		5 UGL
ABP 4	11DCLE	1990Q3	U		1 UGL
ABP 4	11DCLE	1990Q4	U		5 UGL
ABP 4	11DCLE	1990Q4	U		5 UGL
ABP 4	11DCLE	1990Q4	U		5 UGL
ABP 4	11DCLE	1990Q4	U		5 UGL
ABP 4	11DCLE	1991Q1	U		1 UGL
ABP 4	11DCLE	1991Q2	U		1 UGL
ABP 4	11DCLE	1991Q3	U		1 UGL
ABP 4	11DCLE	1991Q4	U		1 UGL
ABP 4	11DCLE	1992Q1	U		1 UGL
ABP 4	11DCLE	1992Q2	U		1 UGL
ABP 4	11DCLE	1992Q3	U		1 UGL
ABP 4	11DCLE	1992Q3	U		1 UGL
ABP 4	11DCLE	1992Q3	U		1 UGL
ABP 4	11DCLE	1992Q3	U		5 UGL
ABP 4	11DCLE	1992Q3	U		5 UGL
ABP 4	11DCLE	1992Q4	U		1 UGL
ABP 4	11DCLE	1993Q1	U		1 UGL
ABP 4	11DCLE	1993Q1	U		1 UGL
ABP 4	11DCLE	1993Q1	U		5 UGL
ABP 4	11DCLE	1993Q1	U		5 UGL
ABP 4	11DCLE	1993Q2	U		1 UGL
ABP 4	11DCLE	1993Q3	UJ		1 UGL
ABP 4	11DCLE	1993Q4	U		1 UGL
ABP 4	11DCLE	1993Q4	U		1 UGL
ABP 4	11DCLE	1994Q1	U		1 UGL
ABP 4	11DCLE	1994Q1	U		1 UGL
ABP 4	11DCLE	1994Q2	U		1 UGL
ABP 4	11DCLE	1994Q3	U		1 UGL
ABP 4	11DCLE	1995Q1	U		1.67 UGL
ABP 4	11DCLE	1996Q1	U		2 UGL
ABP 4	11DCLE	1996Q1	U		2 UGL
ABP 4	11DCLE	1996Q1	U		2 UGL
ABP 4	11DCLE	1996Q1	U		5 UGL
ABP 4	11DCLE	1996Q1	U		5 UGL
ABP 4	11DCLE	1996Q2	U		2 UGL
ABP 4	11DCLE	1997Q4	U		1 UGL
ABP 4	11DCLE	1998Q3	U		1 UGL
ABP 4	11DCLE	1999Q3	U		1 UGL
ABP 4	11DCLE	1999Q3	U		1 UGL

Barium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	BATOT	1993Q1		3.35	UGL
ABP 4	BATOT	1993Q1		3.41	UGL
ABP 4	BATOT	1993Q1	U	4	UGL
ABP 4	BATOT	1993Q1	U	4	UGL
ABP 4	BATOT	1993Q1	U	4	UGL
ABP 4	BATOT	1994Q3	U	3	UGL
ABP 4	BATOT	1995Q1	U	5	UGL
ABP 4	BATOT	1996Q1		2.4	UGL
ABP 4	BATOT	1996Q1		2.4	UGL
ABP 4	BATOT	1996Q1		2.9	UGL
ABP 4	BATOT	1996Q1	J	2.49	UGL
ABP 4	BATOT	1996Q1	J	2.56	UGL
ABP 4	BATOT	1996Q2	U	25	UGL
ABP 4	BATOT	1997Q4	J	2.53	UGL
ABP 4	BATOT	1998Q3		2.56	UGL
ABP 4	BATOT	1999Q3	J	2.3	UGL
ABP 4	BATOT	1999Q3	J	2.37	UGL

Nonvolatile beta in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	BETAG	1985Q1		1 PCL	
ABP 4	BETAG	1985Q2		3 PCL	
ABP 4	BETAG	1985Q3		9 PCL	
ABP 4	BETAG	1985Q4		3 PCL	
ABP 4	BETAG	1985Q4		7 PCL	
ABP 4	BETAG	1986Q1		3 PCL	
ABP 4	BETAG	1987Q1		2 PCL	
ABP 4	BETAG	1987Q1		3 PCL	
ABP 4	BETAG	1988Q1		3.9 PCL	
ABP 4	BETAG	1988Q1		3.9 PCL	
ABP 4	BETAG	1989Q2	U	2 PCL	
ABP 4	BETAG	1989Q3	U	4 PCL	
ABP 4	BETAG	1990Q3	U	2 PCL	
ABP 4	BETAG	1990Q4		8.1 PCL	
ABP 4	BETAG	1990Q4	U	2 PCL	
ABP 4	BETAG	1990Q4	U	2 PCL	
ABP 4	BETAG	1990Q4	U	5 PCL	
ABP 4	BETAG	1991Q1	U	2 PCL	
ABP 4	BETAG	1991Q2	U	2 PCL	
ABP 4	BETAG	1991Q3	U	2 PCL	
ABP 4	BETAG	1991Q4	U	2 PCL	
ABP 4	BETAG	1992Q1	U	2 PCL	
ABP 4	BETAG	1992Q3		1.4 PCL	
ABP 4	BETAG	1992Q3		2.6 PCL	
ABP 4	BETAG	1992Q3		2.7 PCL	
ABP 4	BETAG	1992Q3		3.5 PCL	
ABP 4	BETAG	1992Q3	U	2 PCL	
ABP 4	BETAG	1993Q1		1.9 PCL	
ABP 4	BETAG	1993Q1		2 PCL	
ABP 4	BETAG	1993Q1		3.8 PCL	
ABP 4	BETAG	1993Q1		6.27 PCL	
ABP 4	BETAG	1993Q1	U	2 PCL	
ABP 4	BETAG	1993Q3	U	2 PCL	
ABP 4	BETAG	1994Q1		2.3 PCL	
ABP 4	BETAG	1994Q1		3.5 PCL	
ABP 4	BETAG	1994Q1		6.2 PCL	
ABP 4	BETAG	1994Q1	J	1.53 PCL	
ABP 4	BETAG	1994Q1	J	1.63 PCL	
ABP 4	BETAG	1994Q3	UI	0.837 PCL	
ABP 4	BETAG	1995Q1	UI	1.22 PCL	
ABP 4	BETAG	1996Q1		3.2 PCL	
ABP 4	BETAG	1996Q1	J	1.92 PCL	
ABP 4	BETAG	1996Q1	J	2.08 PCL	
ABP 4	BETAG	1996Q1	UI	0.946 PCL	
ABP 4	BETAG	1996Q1	UI	1.59 PCL	
ABP 4	BETAG	1996Q2		0.783 PCL	
ABP 4	BETAG	1997Q4		4.12 PCL	
ABP 4	BETAG	1998Q3		2.69 PCL	
ABP 4	BETAG	1999Q3		2.56 PCL	
ABP 4	BETAG	1999Q3		4.23 PCL

Cobalt, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	COTOT	1994Q3	U	4	UGL
ABP 4	COTOT	1996Q1	J	0.89	UGL
ABP 4	COTOT	1996Q1	U	0.215	UGL
ABP 4	COTOT	1996Q1	U	0.444	UGL
ABP 4	COTOT	1996Q1	UJ	4.5	UGL
ABP 4	COTOT	1996Q1	UJ	4.5	UGL
ABP 4	COTOT	1996Q2	U	10	UGL
ABP 4	COTOT	1997Q4	U	5	UGL
ABP 4	COTOT	1998Q3	J	0.17	UGL
ABP 4	COTOT	1999Q3	U	5	UGL
ABP 4	COTOT	1999Q3	U	5	UGL

Copper, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CUTOT	1994Q3	U	4	UGL
ABP 4	CUTOT	1996Q1		19.8	UGL
ABP 4	CUTOT	1996Q1	J	1.68	UGL
ABP 4	CUTOT	1996Q1	J	2.1	UGL
ABP 4	CUTOT	1996Q1	U	15	UGL
ABP 4	CUTOT	1996Q1	U	15	UGL
ABP 4	CUTOT	1996Q2	U	25	UGL
ABP 4	CUTOT	1997Q4		13.3	UGL
ABP 4	CUTOT	1998Q3	U	0.76	UGL
ABP 4	CUTOT	1999Q3	J	1.31	UGL
ABP 4	CUTOT	1999Q3	J	1.96	UGL

Cyanide in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	CYN	1990Q3	U	5	UGL
ABP 4	CYN	1991Q1	U	5	UGL
ABP 4	CYN	1991Q2	U	5	UGL
ABP 4	CYN	1994Q3	U	5	UGL
ABP 4	CYN	1995Q1	UU	8.33	UGL
ABP 4	CYN	1996Q1	J	1.7	UGL
ABP 4	CYN	1996Q1	U	10	UGL
ABP 4	CYN	1996Q1	U	10	UGL
ABP 4	CYN	1996Q1	U	30.4	UGL
ABP 4	CYN	1996Q1	U	30.4	UGL
ABP 4	CYN	1996Q2	U	10	UGL
ABP 4	CYN	1997Q4	U	10	UGL
ABP 4	CYN	1998Q3	U	10	UGL
ABP 4	CYN	1999Q3	U	3.14	UGL
ABP 4	CYN	1999Q3	U	10	UGL
ABP 4	CYN	1999Q3	U	10	UGL
ABP 4	CYN	1999Q3	U	10	UGL

Fluoride in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	F	1985Q1		190	UGL
ABP 4	F	1985Q2		80	UGL
ABP 4	F	1985Q3		100	UGL
ABP 4	F	1985Q4		60	UGL
ABP 4	F	1985Q4		100	UGL
ABP 4	F	1987Q1		100	UGL
ABP 4	F	1987Q1		100	UGL
ABP 4	F	1989Q2	U	100	UGL
ABP 4	F	1989Q3	U	250	UGL
ABP 4	F	1990Q3	U	100	UGL
ABP 4	F	1990Q4	U	100	UGL
ABP 4	F	1990Q4	U	100	UGL
ABP 4	F	1990Q4	U	250	UGL
ABP 4	F	1990Q4	U	250	UGL
ABP 4	F	1991Q1	U	100	UGL
ABP 4	F	1991Q2	U	100	UGL
ABP 4	F	1991Q3	U	100	UGL
ABP 4	F	1991Q4	U	100	UGL
ABP 4	F	1992Q1	U	100	UGL
ABP 4	F	1992Q1	U	100	UGL
ABP 4	F	1993Q1	U	100	UGL
ABP 4	F	1993Q1	U	100	UGL
ABP 4	F	1993Q1	U	100	UGL
ABP 4	F	1993Q1	U	100	UGL
ABP 4	F	1997Q4	U	50	UGL
ABP 4	F	1998Q3	U	50	UGL
ABP 4	F	1998Q3	U	50	UGL
ABP 4	F	1999Q3	U	50	UGL
ABP 4	F	1999Q3	U	50	UGL

Mercury, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	HGTOT	1992Q4	U	0.2	UGL
ABP 4	HGTOT	1993Q1	U	0.2	UGL
ABP 4	HGTOT	1993Q1	U	0.2	UGL
ABP 4	HGTOT	1993Q1	U	0.2	UGL
ABP 4	HGTOT	1993Q1	U	0.2	UGL
ABP 4	HGTOT	1993Q1	U	0.2	UGL
ABP 4	HGTOT	1995Q1	U	0.333	UGL
ABP 4	HGTOT	1996Q1	U	0.2	UGL
ABP 4	HGTOT	1996Q1	U	0.2	UGL
ABP 4	HGTOT	1996Q1	U	0.7	UGL
ABP 4	HGTOT	1996Q1	U	0.7	UGL
ABP 4	HGTOT	1996Q1	U	0.7	UGL
ABP 4	HGTOT	1996Q2	UJ	0.2	UGL
ABP 4	HGTOT	1997Q4	U	0.2	UGL
ABP 4	HGTOT	1998Q3	U	0.2	UGL
ABP 4	HGTOT	1999Q3	U	0.2	UGL
ABP 4	HGTOT	1999Q3	U	0.2	UGL

Nickel, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	NITOT	1992Q4	U		4 UGL
ABP 4	NITOT	1993Q1	U		4 UGL
ABP 4	NITOT	1993Q1	U		4 UGL
ABP 4	NITOT	1993Q1	U		4 UGL
ABP 4	NITOT	1993Q1	U		4 UGL
ABP 4	NITOT	1993Q1	U		4 UGL
ABP 4	NITOT	1994Q3	U		4 UGL
ABP 4	NITOT	1995Q1	U	6.67	UGL
ABP 4	NITOT	1996Q1	U	10	UGL
ABP 4	NITOT	1996Q1	U	10	UGL
ABP 4	NITOT	1996Q1	U	26	UGL
ABP 4	NITOT	1996Q1	U	26	UGL
ABP 4	NITOT	1996Q1	U	26	UGL
ABP 4	NITOT	1996Q2	U	25	UGL
ABP 4	NITOT	1997Q4	U	5	UGL
ABP 4	NITOT	1998Q3		0.914	UGL
ABP 4	NITOT	1999Q3	J	2.63	UGL
ABP 4	NITOT	1999Q3	U	5	UGL

Nitrate-nitrite as nitrogen in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	NO3NO2	1989Q2		770	UGL
ABP 4	NO3NO2	1990Q3		1230	UGL
ABP 4	NO3NO2	1990Q4		1230	UGL
ABP 4	NO3NO2	1990Q4		1300	UGL
ABP 4	NO3NO2	1991Q1		1330	UGL
ABP 4	NO3NO2	1991Q3		1100	UGL
ABP 4	NO3NO2	1991Q4		890	UGL
ABP 4	NO3NO2	1992Q1		800	UGL
ABP 4	NO3NO2	1993Q1		620	UGL
ABP 4	NO3NO2	1993Q1		630	UGL
ABP 4	NO3NO2	1997Q4		250	UGL
ABP 4	NO3NO2	1998Q3		280	UGL
ABP 4	NO3NO2	1999Q3		250	UGL
ABP 4	NO3NO2	1999Q3		250	UGL
ABP 4	NO3NO2	1999Q3		250	UGL

Selenium, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1993Q1	U		2 UGL
ABP 4	SETOT	1994Q3	U		2 UGL
ABP 4	SETOT	1995Q1	U	3.33	UGL
ABP 4	SETOT	1996Q1	J	1.5	UGL
ABP 4	SETOT	1996Q1	U	5	UGL
ABP 4	SETOT	1996Q1	U	66	UGL
ABP 4	SETOT	1996Q1	U	66	UGL
ABP 4	SETOT	1996Q1	U	66	UGL
ABP 4	SETOT	1996Q2	UJ	2	UGL
ABP 4	SETOT	1997Q4	U	5	UGL
ABP 4	SETOT	1998Q3	U	5	UGL
ABP 4	SETOT	1999Q3	U	5	UGL
ABP 4	SETOT	1999Q3	U	5	UGL

trans-1,2-Dichloroethylene in ABP 4

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	T12DCE	1985Q4			5 UGL
ABP 4	T12DCE	1985Q4			5 UGL
ABP 4	T12DCE	1987Q1			5 UGL
ABP 4	T12DCE	1988Q3			1 UGL
ABP 4	T12DCE	1988Q4	U		1 UGL
ABP 4	T12DCE	1988Q4	U		1 UGL
ABP 4	T12DCE	1989Q1	U		1 UGL
ABP 4	T12DCE	1989Q2	U		1 UGL
ABP 4	T12DCE	1989Q3	U		1 UGL
ABP 4	T12DCE	1989Q3	U		1 UGL
ABP 4	T12DCE	1989Q3	U		1 UGL
ABP 4	T12DCE	1989Q3	U		1 UGL
ABP 4	T12DCE	1989Q3	U		5 UGL
ABP 4	T12DCE	1989Q3	U		5 UGL
ABP 4	T12DCE	1989Q4	U		1 UGL
ABP 4	T12DCE	1990Q1	U		1 UGL
ABP 4	T12DCE	1990Q1	U		1 UGL
ABP 4	T12DCE	1990Q2	U		1 UGL
ABP 4	T12DCE	1990Q3	U		1 UGL
ABP 4	T12DCE	1990Q3	U		1 UGL
ABP 4	T12DCE	1990Q4	U		1 UGL
ABP 4	T12DCE	1990Q4	U		5 UGL
ABP 4	T12DCE	1990Q4	U		5 UGL
ABP 4	T12DCE	1990Q4	U		5 UGL
ABP 4	T12DCE	1991Q1	U		1 UGL
ABP 4	T12DCE	1991Q2	U		1 UGL
ABP 4	T12DCE	1991Q3	U		1 UGL
ABP 4	T12DCE	1991Q4	U		1 UGL
ABP 4	T12DCE	1992Q1	U		1 UGL
ABP 4	T12DCE	1992Q2	U		1 UGL
ABP 4	T12DCE	1992Q3	U		1 UGL
ABP 4	T12DCE	1992Q3	U		1 UGL
ABP 4	T12DCE	1992Q3	U		1 UGL
ABP 4	T12DCE	1992Q3	U		5 UGL
ABP 4	T12DCE	1992Q3	U		5 UGL
ABP 4	T12DCE	1992Q4	U		1 UGL
ABP 4	T12DCE	1993Q1	U		1 UGL
ABP 4	T12DCE	1993Q1	U		1 UGL
ABP 4	T12DCE	1993Q1	U		5 UGL
ABP 4	T12DCE	1993Q1	U		5 UGL
ABP 4	T12DCE	1993Q2	U		1 UGL
ABP 4	T12DCE	1993Q3	UJ		1 UGL
ABP 4	T12DCE	1993Q4	U		1 UGL
ABP 4	T12DCE	1993Q4	U		1 UGL
ABP 4	T12DCE	1994Q1	U		1 UGL
ABP 4	T12DCE	1994Q1	U		1 UGL
ABP 4	T12DCE	1994Q2	U		1 UGL
ABP 4	T12DCE	1994Q3	U		1 UGL
ABP 4	T12DCE	1995Q1	U		1.67 UGL
ABP 4	T12DCE	1997Q4	U		1 UGL
ABP 4	T12DCE	1998Q3	U		1 UGL
ABP 4	T12DCE	1999Q3	U		1 UGL
ABP 4	T12DCE	1999Q3	U		1 UGL

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	TCLEA	1985Q4			10 UGL
ABP 4	TCLEA	1985Q4			10 UGL
ABP 4	TCLEA	1987Q1			10 UGL
ABP 4	TCLEA	1989Q3	U		1 UGL
ABP 4	TCLEA	1989Q3	U		1 UGL
ABP 4	TCLEA	1989Q3	U		5 UGL
ABP 4	TCLEA	1989Q3	U		5 UGL
ABP 4	TCLEA	1990Q3	U		1 UGL
ABP 4	TCLEA	1990Q4	U		5 UGL
ABP 4	TCLEA	1990Q4	U		5 UGL
ABP 4	TCLEA	1990Q4	U		5 UGL
ABP 4	TCLEA	1990Q4	U		5 UGL
ABP 4	TCLEA	1991Q1	U		1 UGL
ABP 4	TCLEA	1991Q2	U		1 UGL
ABP 4	TCLEA	1991Q3	U		1 UGL
ABP 4	TCLEA	1991Q4	U		1 UGL
ABP 4	TCLEA	1992Q1	U		1 UGL
ABP 4	TCLEA	1992Q2	U		1 UGL
ABP 4	TCLEA	1992Q3	U		1 UGL
ABP 4	TCLEA	1992Q3	U		1 UGL
ABP 4	TCLEA	1992Q3	U		5 UGL
ABP 4	TCLEA	1992Q3	U		5 UGL
ABP 4	TCLEA	1992Q4	U		1 UGL
ABP 4	TCLEA	1993Q1	U		1 UGL
ABP 4	TCLEA	1993Q1	U		1 UGL
ABP 4	TCLEA	1993Q1	U		5 UGL
ABP 4	TCLEA	1993Q1	U		5 UGL
ABP 4	TCLEA	1993Q2	U		1 UGL
ABP 4	TCLEA	1993Q3	UJ		1 UGL
ABP 4	TCLEA	1993Q4	U		1 UGL
ABP 4	TCLEA	1993Q4	U		1 UGL
ABP 4	TCLEA	1994Q1	U		1 UGL
ABP 4	TCLEA	1994Q1	U		1 UGL
ABP 4	TCLEA	1994Q2	U		1 UGL
ABP 4	TCLEA	1994Q3	U		1 UGL
ABP 4	TCLEA	1995Q1	U		1.67 UGL
ABP 4	TCLEA	1996Q1	U		2 UGL
ABP 4	TCLEA	1996Q1	U		2 UGL
ABP 4	TCLEA	1996Q1	U		2 UGL
ABP 4	TCLEA	1996Q1	U		5 UGL
ABP 4	TCLEA	1996Q2	U		5 UGL
ABP 4	TCLEA	1996Q2	U		2 UGL
ABP 4	TCLEA	1997Q4	U		1 UGL
ABP 4	TCLEA	1998Q3	U		1 UGL
ABP 4	TCLEA	1999Q3	U		1 UGL
ABP 4	TCLEA	1999Q3	U		1 UGL

Zinc, total recoverable in ABP 4

Data Retrieved by AWSA v1 from GIMS on 23NOV99 at 08:45

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ABP 4	ZNTOT	1994Q3		23.3	UGL
ABP 4	ZNTOT	1995Q1	U	3.33	UGL
ABP 4	ZNTOT	1996Q1	J	3.93	UGL
ABP 4	ZNTOT	1996Q1	J	9.12	UGL
ABP 4	ZNTOT	1996Q1	UJ	5.6	UGL
ABP 4	ZNTOT	1996Q1	UJ	7.1	UGL
ABP 4	ZNTOT	1996Q1	UJ	53	UGL
ABP 4	ZNTOT	1996Q2	U	20	UGL
ABP 4	ZNTOT	1997Q4		30	UGL
ABP 4	ZNTOT	1998Q3	U	5	UGL
ABP 4	ZNTOT	1999Q3	U	3.4	UGL
ABP 4	ZNTOT	1999Q3	U	4.22	UGL

WELL ARP-3 DATA

Field pH in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	FPH	1984Q3		5.3	PH
ARP 3	FPH	1984Q4		4.6	PH
ARP 3	FPH	1985Q1		4.7	PH
ARP 3	FPH	1985Q2		4.2	PH
ARP 3	FPH	1985Q3		4.3	PH
ARP 3	FPH	1985Q4		4.7	PH
ARP 3	FPH	1986Q1		4.2	PH
ARP 3	FPH	1986Q2		5	PH
ARP 3	FPH	1986Q2		5	PH
ARP 3	FPH	1986Q2		5	PH
ARP 3	FPH	1986Q3		4.4	PH
ARP 3	FPH	1986Q4		3.9	PH
ARP 3	FPH	1987Q1		4.8	PH
ARP 3	FPH	1987Q2		4.8	PH
ARP 3	FPH	1987Q3		5.5	PH
ARP 3	FPH	1987Q4		5.3	PH
ARP 3	FPH	1988Q1		4.9	PH
ARP 3	FPH	1988Q2		5.3	PH
ARP 3	FPH	1988Q2		5.3	PH
ARP 3	FPH	1988Q2		5.3	PH
ARP 3	FPH	1988Q3		4.7	PH
ARP 3	FPH	1988Q4		4.8	PH
ARP 3	FPH	1989Q1		4.4	PH
ARP 3	FPH	1989Q2		5.1	PH
ARP 3	FPH	1989Q3		4.8	PH
ARP 3	FPH	1989Q4		4.9	PH
ARP 3	FPH	1990Q1		5.1	PH
ARP 3	FPH	1990Q2		4.9	PH
ARP 3	FPH	1990Q3		5.1	PH
ARP 3	FPH	1990Q4		5.1	PH
ARP 3	FPH	1991Q1		4.9	PH
ARP 3	FPH	1991Q4		5.1	PH
ARP 3	FPH	1992Q1		5.1	PH
ARP 3	FPH	1992Q1		5.1	PH
ARP 3	FPH	1992Q2		4.7	PH
ARP 3	FPH	1992Q2		4.7	PH
ARP 3	FPH	1992Q3		5	PH
ARP 3	FPH	1992Q4		4.8	PH
ARP 3	FPH	1993Q1		5.1	PH
ARP 3	FPH	1993Q2		4.9	PH
ARP 3	FPH	1993Q3		4.2	PH
ARP 3	FPH	1995Q4		4.2	PH
ARP 3	FPH	1995Q4		4.9	PH
ARP 3	FPH	1996Q1		4.6	PH
ARP 3	FPH	1997Q1		4.4	PH
ARP 3	FPH	1997Q4		4	PH
ARP 3	FPH	1998Q3		4.8	PH
ARP 3	FPH	1999Q1		4.8	PH
ARP 3	FPH	1999Q3		4.9	PH
ARP 3	FPH	1999Q3		4.9	PH

Specific Conductance in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	COND	1984Q3		32	USCM
ARP 3	COND	1984Q4		22	USCM
ARP 3	COND	1985Q1		22	USCM
ARP 3	COND	1985Q2		23	USCM
ARP 3	COND	1985Q3		20	USCM
ARP 3	COND	1985Q4		19	USCM
ARP 3	COND	1986Q1		20	USCM
ARP 3	COND	1986Q2		18	USCM
ARP 3	COND	1986Q2		18	USCM
ARP 3	COND	1986Q2		18	USCM
ARP 3	COND	1986Q3		26	USCM
ARP 3	COND	1986Q4		26	USCM
ARP 3	COND	1987Q1		28	USCM
ARP 3	COND	1987Q2		24	USCM
ARP 3	COND	1987Q3		26	USCM
ARP 3	COND	1987Q4		22	USCM
ARP 3	COND	1988Q1		22	USCM
ARP 3	COND	1988Q2		19	USCM
ARP 3	COND	1988Q2		19	USCM
ARP 3	COND	1988Q2		19	USCM
ARP 3	COND	1988Q3		20	USCM
ARP 3	COND	1988Q4		19	USCM
ARP 3	COND	1989Q1		23	USCM
ARP 3	COND	1989Q2		23	USCM
ARP 3	COND	1989Q3		25	USCM
ARP 3	COND	1989Q4		29	USCM
ARP 3	COND	1990Q1		29	USCM
ARP 3	COND	1990Q2		30	USCM
ARP 3	COND	1990Q3		28	USCM
ARP 3	COND	1990Q4		27	USCM
ARP 3	COND	1991Q1		26	USCM
ARP 3	COND	1991Q4		22	USCM
ARP 3	COND	1992Q1		20	USCM
ARP 3	COND	1992Q1		20	USCM
ARP 3	COND	1992Q2		22	USCM
ARP 3	COND	1992Q2		22	USCM
ARP 3	COND	1992Q3		20	USCM
ARP 3	COND	1992Q4		18	USCM
ARP 3	COND	1993Q1		20	USCM
ARP 3	COND	1993Q2		22	USCM
ARP 3	COND	1993Q3		22	USCM
ARP 3	COND	1995Q4		19	USCM
ARP 3	COND	1995Q4		20	USCM
ARP 3	COND	1996Q1		27	USCM
ARP 3	COND	1997Q1		18	USCM
ARP 3	COND	1997Q4		22	USCM
ARP 3	COND	1998Q3		24	USCM
ARP 3	COND	1999Q1		21	USCM
ARP 3	COND	1999Q3		19	USCM
ARP 3	COND	1999Q3		19	USCM

Calcium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CATOT	1993Q1		355	UGL
ARP 3	CATOT	1995Q4		441	UGL
ARP 3	CATOT	1995Q4		483	UGL
ARP 3	CATOT	1997Q4		373	UGL
ARP 3	CATOT	1998Q3		502	UGL
ARP 3	CATOT	1999Q3		454	UGL

Potassium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	KTOT	1993Q1	U	500	UGL
ARP 3	KTOT	1995Q4	J	149	UGL
ARP 3	KTOT	1995Q4	J	206	UGL
ARP 3	KTOT	1997Q4		174	UGL
ARP 3	KTOT	1998Q3		188	UGL
ARP 3	KTOT	1999Q3		187	UGL

Sodium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	NATOT	1993Q1		1970	UGL
ARP 3	NATOT	1995Q4		1770	UGL
ARP 3	NATOT	1995Q4		1790	UGL
ARP 3	NATOT	1997Q4		2030	UGL
ARP 3	NATOT	1998Q3		2440	UGL
ARP 3	NATOT	1999Q3		1810	UGL

Chromium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CRTOT	1993Q1	U	4	UGL
ARP 3	CRTOT	1995Q4		52.6	UGL
ARP 3	CRTOT	1995Q4		57	UGL
ARP 3	CRTOT	1995Q4	U	3.02	UGL
ARP 3	CRTOT	1997Q1		19.7	UGL
ARP 3	CRTOT	1997Q4	J	1.95	UGL
ARP 3	CRTOT	1998Q3		5.85	UGL
ARP 3	CRTOT	1999Q3		9.37	UGL

Iron, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	FETOT	1993Q1		65.2	UGL
ARP 3	FETOT	1995Q4		84.7	UGL
ARP 3	FETOT	1995Q4		7440	UGL
ARP 3	FETOT	1995Q4		8400	UGL
ARP 3	FETOT	1997Q1		586	UGL
ARP 3	FETOT	1998Q3		90	UGL
ARP 3	FETOT	1999Q1		325	UGL
ARP 3	FETOT	1999Q3		725	UGL

Manganese, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	MNTOT	1993Q1		7.36	UGL
ARP 3	MNTOT	1995Q4		5.32	UGL
ARP 3	MNTOT	1995Q4		40.5	UGL
ARP 3	MNTOT	1996Q1		24.3	UGL
ARP 3	MNTOT	1997Q1		8.4	UGL
ARP 3	MNTOT	1997Q4	J	6.59	UGL
ARP 3	MNTOT	1998Q3	J	6.44	UGL
ARP 3	MNTOT	1999Q1	J	7	UGL
ARP 3	MNTOT	1999Q3	J	9.76	UGL

Aluminum, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	ALTOT	1993Q1		39.1	UGL
ARP 3	ALTOT	1993Q3	UJ	20	UGL
ARP 3	ALTOT	1995Q4		31.2	UGL
ARP 3	ALTOT	1995Q4		1540	UGL
ARP 3	ALTOT	1995Q4		2950	UGL
ARP 3	ALTOT	1996Q1	J	1380	UGL
ARP 3	ALTOT	1996Q1	J	1530	UGL
ARP 3	ALTOT	1997Q1		106	UGL
ARP 3	ALTOT	1997Q4		70.8	UGL
ARP 3	ALTOT	1998Q3		36	UGL
ARP 3	ALTOT	1999Q1	J	95.2	UGL
ARP 3	ALTOT	1999Q3		150	UGL

Lead, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	PBTOT	1993Q1		4.49	UGL
ARP 3	PBTOT	1995Q4	J	1.18	UGL
ARP 3	PBTOT	1995Q4	J	2.45	UGL
ARP 3	PBTOT	1996Q1	J	1.94	UGL
ARP 3	PBTOT	1996Q1	J	2.17	UGL
ARP 3	PBTOT	1996Q1	U	100	UGL
ARP 3	PBTOT	1997Q1	U	5	UGL
ARP 3	PBTOT	1997Q4	U	5	UGL
ARP 3	PBTOT	1998Q3	U	2	UGL
ARP 3	PBTOT	1999Q1	U	47	UGL
ARP 3	PBTOT	1999Q3	U	5	UGL

Chloride in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CL	1984Q3		3000	UGL
ARP 3	CL	1984Q4		3100	UGL
ARP 3	CL	1984Q4		3500	UGL
ARP 3	CL	1985Q1		2000	UGL
ARP 3	CL	1985Q2		2730	UGL
ARP 3	CL	1986Q1		6900	UGL
ARP 3	CL	1986Q1		6900	UGL
ARP 3	CL	1987Q1		3100	UGL
ARP 3	CL	1989Q1		2900	UGL
ARP 3	CL	1989Q2		7000	UGL
ARP 3	CL	1991Q1		3250	UGL
ARP 3	CL	1993Q1		2540	UGL
ARP 3	CL	1997Q1		2430	UGL
ARP 3	CL	1997Q1		2470	UGL
ARP 3	CL	1997Q4		2570	UGL
ARP 3	CL	1997Q4		2580	UGL
ARP 3	CL	1998Q3		2570	UGL
ARP 3	CL	1999Q3		2030	UGL
ARP 3	CL	1999Q3		2110	UGL

Carbon tetrachloride in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CCL4	1985Q4			5 UGL
ARP 3	CCL4	1986Q3			1 UGL
ARP 3	CCL4	1986Q4			1 UGL
ARP 3	CCL4	1987Q1			1 UGL
ARP 3	CCL4	1987Q2			1 UGL
ARP 3	CCL4	1987Q3			1 UGL
ARP 3	CCL4	1987Q4			25 UGL
ARP 3	CCL4	1988Q1			1 UGL
ARP 3	CCL4	1988Q1			1 UGL
ARP 3	CCL4	1988Q3			1 UGL
ARP 3	CCL4	1989Q1	U		1 UGL
ARP 3	CCL4	1989Q3			1 UGL
ARP 3	CCL4	1989Q3	U		10 UGL
ARP 3	CCL4	1990Q1			1 UGL
ARP 3	CCL4	1990Q3			2 UGL
ARP 3	CCL4	1991Q1			2 UGL
ARP 3	CCL4	1992Q3	UJ		5 UGL
ARP 3	CCL4	1992Q4	U		5 UGL
ARP 3	CCL4	1993Q1	U		5 UGL
ARP 3	CCL4	1993Q2	U		5 UGL
ARP 3	CCL4	1993Q3	U		5 UGL
ARP 3	CCL4	1995Q4	U		0.5 UGL
ARP 3	CCL4	1995Q4	UJ		0.5 UGL
ARP 3	CCL4	1996Q1	U		2 UGL
ARP 3	CCL4	1997Q1	U		1 UGL
ARP 3	CCL4	1997Q4	U		1 UGL
ARP 3	CCL4	1998Q3	U		1 UGL
ARP 3	CCL4	1999Q1	JU		5 UGL
ARP 3	CCL4	1999Q3	U		1 UGL

Tetrachloroethylene in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	TCLEE	1985Q4		5	UGL
ARP 3	TCLEE	1986Q3		6.01	UGL
ARP 3	TCLEE	1986Q4		6.31	UGL
ARP 3	TCLEE	1987Q1		6.87	UGL
ARP 3	TCLEE	1987Q2		8.8	UGL
ARP 3	TCLEE	1987Q3		11.2	UGL
ARP 3	TCLEE	1987Q4		25	UGL
ARP 3	TCLEE	1988Q1		12.5	UGL
ARP 3	TCLEE	1988Q1		12.5	UGL
ARP 3	TCLEE	1988Q3		15.8	UGL
ARP 3	TCLEE	1988Q3		29.8	UGL
ARP 3	TCLEE	1989Q1		28.5	UGL
ARP 3	TCLEE	1989Q1		29	UGL
ARP 3	TCLEE	1989Q2		2.93	UGL
ARP 3	TCLEE	1989Q3		26	UGL
ARP 3	TCLEE	1989Q3		45	UGL
ARP 3	TCLEE	1989Q4		49	UGL
ARP 3	TCLEE	1990Q1		47	UGL
ARP 3	TCLEE	1990Q2		56	UGL
ARP 3	TCLEE	1990Q3		28	UGL
ARP 3	TCLEE	1990Q4		34.3	UGL
ARP 3	TCLEE	1991Q1		34.8	UGL
ARP 3	TCLEE	1991Q1		44	UGL
ARP 3	TCLEE	1991Q4	U	10	UGL
ARP 3	TCLEE	1992Q1	U	50	UGL
ARP 3	TCLEE	1992Q2		11.8	UGL
ARP 3	TCLEE	1992Q3	J	13	UGL
ARP 3	TCLEE	1992Q4		20.2	UGL
ARP 3	TCLEE	1993Q1		18.5	UGL
ARP 3	TCLEE	1993Q2		16.5	UGL
ARP 3	TCLEE	1993Q3		12	UGL
ARP 3	TCLEE	1995Q4		9.4	UGL
ARP 3	TCLEE	1995Q4	J	9.1	UGL
ARP 3	TCLEE	1996Q1		10.9	UGL
ARP 3	TCLEE	1997Q1		14	UGL
ARP 3	TCLEE	1997Q4	U	1	UGL
ARP 3	TCLEE	1998Q3		18.1	UGL
ARP 3	TCLEE	1999Q1	U	25	UGL
ARP 3	TCLEE	1999Q3		9.85	UGL

Trichloroethylene in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	TRCLE	1985Q4		14	UGL
ARP 3	TRCLE	1986Q2		29.5	UGL
ARP 3	TRCLE	1986Q3		66.6	UGL
ARP 3	TRCLE	1986Q4		1	UGL
ARP 3	TRCLE	1987Q1		148	UGL
ARP 3	TRCLE	1987Q2		248	UGL
ARP 3	TRCLE	1987Q3		76.2	UGL
ARP 3	TRCLE	1987Q4		176	UGL
ARP 3	TRCLE	1988Q1		12.5	UGL
ARP 3	TRCLE	1988Q1		12.5	UGL
ARP 3	TRCLE	1988Q3		213	UGL
ARP 3	TRCLE	1988Q3		214	UGL
ARP 3	TRCLE	1989Q1		337	UGL
ARP 3	TRCLE	1989Q1		490	UGL
ARP 3	TRCLE	1989Q2		549	UGL
ARP 3	TRCLE	1989Q3		451	UGL
ARP 3	TRCLE	1989Q3		840	UGL
ARP 3	TRCLE	1989Q4		856	UGL
ARP 3	TRCLE	1990Q1		608	UGL
ARP 3	TRCLE	1990Q2		757	UGL
ARP 3	TRCLE	1990Q3		1209	UGL
ARP 3	TRCLE	1990Q4		655	UGL
ARP 3	TRCLE	1991Q1		520	UGL
ARP 3	TRCLE	1991Q1		557	UGL
ARP 3	TRCLE	1991Q4		133	UGL
ARP 3	TRCLE	1992Q1		76.1	UGL
ARP 3	TRCLE	1992Q2		161	UGL
ARP 3	TRCLE	1992Q3	J	126	UGL
ARP 3	TRCLE	1992Q4		263	UGL
ARP 3	TRCLE	1993Q1		199	UGL
ARP 3	TRCLE	1993Q2		200	UGL
ARP 3	TRCLE	1993Q3		148	UGL
ARP 3	TRCLE	1995Q4		111	UGL
ARP 3	TRCLE	1995Q4	J	108	UGL
ARP 3	TRCLE	1996Q1		101	UGL
ARP 3	TRCLE	1997Q1		130	UGL
ARP 3	TRCLE	1997Q4		1.02	UGL
ARP 3	TRCLE	1998Q3		186	UGL
ARP 3	TRCLE	1999Q1	J	74	UGL
ARP 3	TRCLE	1999Q3		77.6	UGL

Gross alpha in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	ALPHAG	1984Q3		10	PCL
ARP 3	ALPHAG	1984Q4		2	PCL
ARP 3	ALPHAG	1985Q1		4	PCL
ARP 3	ALPHAG	1985Q2		2	PCL
ARP 3	ALPHAG	1986Q1		2	PCL
ARP 3	ALPHAG	1987Q1		3	PCL
ARP 3	ALPHAG	1988Q1		3	PCL
ARP 3	ALPHAG	1989Q1		3.45	PCL
ARP 3	ALPHAG	1989Q2	U	3	PCL
ARP 3	ALPHAG	1991Q1	U	2	PCL
ARP 3	ALPHAG	1993Q1	U	2	PCL
ARP 3	ALPHAG	1995Q4		1.58	PCL
ARP 3	ALPHAG	1995Q4		2.19	PCL
ARP 3	ALPHAG	1995Q4		2.38	PCL
ARP 3	ALPHAG	1997Q1		1.72	PCL
ARP 3	ALPHAG	1997Q4		2.99	PCL
ARP 3	ALPHAG	1997Q4		3.01	PCL
ARP 3	ALPHAG	1998Q3		3.63	PCL
ARP 3	ALPHAG	1999Q3	U	0.606	PCL

1,1,1-Trichloroethane in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	111TCE	1985Q4			5 UGL
ARP 3	111TCE	1986Q3			1 UGL
ARP 3	111TCE	1986Q4			1 UGL
ARP 3	111TCE	1987Q1			1 UGL
ARP 3	111TCE	1987Q2			1 UGL
ARP 3	111TCE	1987Q3			1 UGL
ARP 3	111TCE	1987Q4			25 UGL
ARP 3	111TCE	1988Q1			1 UGL
ARP 3	111TCE	1988Q2			1 UGL
ARP 3	111TCE	1988Q3			1 UGL
ARP 3	111TCE	1988Q3			50 UGL
ARP 3	111TCE	1989Q1	U		1 UGL
ARP 3	111TCE	1989Q1	U		5 UGL
ARP 3	111TCE	1989Q2	U		10 UGL
ARP 3	111TCE	1989Q3	U		1 UGL
ARP 3	111TCE	1989Q3	U		10 UGL
ARP 3	111TCE	1989Q4	U		10 UGL
ARP 3	111TCE	1990Q1	U		1 UGL
ARP 3	111TCE	1990Q2	U		10 UGL
ARP 3	111TCE	1990Q3	U		1 UGL
ARP 3	111TCE	1990Q4	U		10 UGL
ARP 3	111TCE	1991Q1	U		1 UGL
ARP 3	111TCE	1991Q1	U		10 UGL
ARP 3	111TCE	1991Q4	U		10 UGL
ARP 3	111TCE	1992Q1	U		50 UGL
ARP 3	111TCE	1992Q2	U		10 UGL
ARP 3	111TCE	1992Q3	UJ		5 UGL
ARP 3	111TCE	1992Q4	U		5 UGL
ARP 3	111TCE	1993Q1	U		5 UGL
ARP 3	111TCE	1993Q2	U		5 UGL
ARP 3	111TCE	1993Q3	U		5 UGL
ARP 3	111TCE	1995Q4	U		0.5 UGL
ARP 3	111TCE	1995Q4	UJ		0.5 UGL
ARP 3	111TCE	1996Q1	U		2 UGL
ARP 3	111TCE	1997Q1	U		1 UGL
ARP 3	111TCE	1997Q4	U		1 UGL
ARP 3	111TCE	1998Q3	U		1 UGL
ARP 3	111TCE	1999Q1	JU		5 UGL
ARP 3	111TCE	1999Q3	U		1 UGL

1,1-Dichloroethylene in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	11DCE	1985Q4		5	UGL
ARP 3	11DCE	1988Q3		27.4	UGL
ARP 3	11DCE	1989Q1	U	5	UGL
ARP 3	11DCE	1989Q2	U	10	UGL
ARP 3	11DCE	1989Q3	U	1	UGL
ARP 3	11DCE	1989Q3	U	10	UGL
ARP 3	11DCE	1989Q4	U	10	UGL
ARP 3	11DCE	1990Q1	U	1	UGL
ARP 3	11DCE	1990Q2	U	10	UGL
ARP 3	11DCE	1990Q4	U	10	UGL
ARP 3	11DCE	1991Q1	U	1	UGL
ARP 3	11DCE	1991Q1	U	10	UGL
ARP 3	11DCE	1991Q4	U	10	UGL
ARP 3	11DCE	1992Q1	U	50	UGL
ARP 3	11DCE	1992Q2	U	10	UGL
ARP 3	11DCE	1993Q1	U	5	UGL
ARP 3	11DCE	1993Q2	U	5	UGL
ARP 3	11DCE	1993Q3	U	5	UGL
ARP 3	11DCE	1995Q4	U	0.5	UGL
ARP 3	11DCE	1995Q4	UJ	0.5	UGL
ARP 3	11DCE	1997Q4	U	1	UGL
ARP 3	11DCE	1998Q3	U	1	UGL
ARP 3	11DCE	1999Q3	U	1	UGL

1,1-Dichloroethane in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	11DCLE	1985Q4		5	UGL
ARP 3	11DCLE	1989Q3	U	1	UGL
ARP 3	11DCLE	1989Q3	U	10	UGL
ARP 3	11DCLE	1990Q1	U	1	UGL
ARP 3	11DCLE	1991Q1	U	1	UGL
ARP 3	11DCLE	1993Q1	U	5	UGL
ARP 3	11DCLE	1993Q2	U	5	UGL
ARP 3	11DCLE	1993Q3	U	5	UGL
ARP 3	11DCLE	1995Q4	U	0.5	UGL
ARP 3	11DCLE	1995Q4	UJ	0.5	UGL
ARP 3	11DCLE	1997Q4	U	1	UGL
ARP 3	11DCLE	1998Q3	U	1	UGL
ARP 3	11DCLE	1999Q3	U	1	UGL

Barium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	BATOT	1993Q1		5.21	UGL
ARP 3	BATOT	1995Q4		6.08	UGL
ARP 3	BATOT	1995Q4		42	UGL
ARP 3	BATOT	1996Q1		47.1	UGL
ARP 3	BATOT	1997Q4		5.69	UGL
ARP 3	BATOT	1998Q3		6.78	UGL
ARP 3	BATOT	1999Q3		7.91	UGL

Nonvolatile beta in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	BETAG	1984Q3		7	PCL
ARP 3	BETAG	1984Q4		4	PCL
ARP 3	BETAG	1985Q1		5	PCL
ARP 3	BETAG	1985Q2		3	PCL
ARP 3	BETAG	1986Q1		3	PCL
ARP 3	BETAG	1987Q1		2	PCL
ARP 3	BETAG	1988Q1		2.7	PCL
ARP 3	BETAG	1989Q2	U	2	PCL
ARP 3	BETAG	1991Q1	U	2	PCL
ARP 3	BETAG	1993Q1	U	2	PCL
ARP 3	BETAG	1995Q4		2.05	PCL
ARP 3	BETAG	1995Q4		4.43	PCL
ARP 3	BETAG	1995Q4	UI	0.779	PCL
ARP 3	BETAG	1997Q4	J	3.02	PCL
ARP 3	BETAG	1997Q4	J	3.61	PCL
ARP 3	BETAG	1998Q3		3.03	PCL
ARP 3	BETAG	1999Q3	J	1.7	PCL

Cobalt, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	COTOT	1995Q4	J	1.99	UGL
ARP 3	COTOT	1995Q4	U	4	UGL
ARP 3	COTOT	1997Q4	U	5	UGL
ARP 3	COTOT	1998Q3		0.379	UGL
ARP 3	COTOT	1999Q3	U	5	UGL

Copper, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CUTOT	1995Q4	U	2.38	UGL
ARP 3	CUTOT	1995Q4	U	4	UGL
ARP 3	CUTOT	1997Q4	U	5	UGL
ARP 3	CUTOT	1998Q3		1.3	UGL
ARP 3	CUTOT	1999Q3	U	5	UGL

Cyanide in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	CYN	1984Q3		5	UGL
ARP 3	CYN	1984Q4		5	UGL
ARP 3	CYN	1995Q4	U	3.96	UGL
ARP 3	CYN	1995Q4	U	10	UGL
ARP 3	CYN	1997Q4	U	10	UGL
ARP 3	CYN	1998Q3	UJ	10	UGL
ARP 3	CYN	1999Q3	U	10	UGL
ARP 3	CYN	1999Q3	U	10	UGL

Fluoride in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	F	1984Q3			100 UGL
ARP 3	F	1984Q4			100 UGL
ARP 3	F	1984Q4			100 UGL
ARP 3	F	1985Q1			100 UGL
ARP 3	F	1985Q2			90 UGL
ARP 3	F	1987Q1			100 UGL
ARP 3	F	1989Q2	U		100 UGL
ARP 3	F	1991Q1	U		100 UGL
ARP 3	F	1993Q1	U		100 UGL
ARP 3	F	1993Q1	U		100 UGL
ARP 3	F	1997Q1	U		100 UGL
ARP 3	F	1997Q4	UJ		50 UGL
ARP 3	F	1997Q4	UJ		50 UGL
ARP 3	F	1998Q3	U		50 UGL
ARP 3	F	1999Q3	U		50 UGL
ARP 3	F	1999Q3	U		50 UGL

Mercury, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	HGTOT	1993Q1	U	0.2	UGL
ARP 3	HGTOT	1995Q4		0.3	UGL
ARP 3	HGTOT	1995Q4	U	0.2	UGL
ARP 3	HGTOT	1997Q4	U	0.2	UGL
ARP 3	HGTOT	1998Q3		0.661	UGL
ARP 3	HGTOT	1999Q3	U	0.2	UGL
ARP 3	HGTOT	1999Q3	U	0.2	UGL

Nickel, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	NITOT	1995Q4		30.6	UGL
ARP 3	NITOT	1995Q4	U	3.85	UGL
ARP 3	NITOT	1996Q1		26.5	UGL
ARP 3	NITOT	1997Q4	U	5	UGL
ARP 3	NITOT	1998Q3		3.56	UGL
ARP 3	NITOT	1999Q3		5.12	UGL

Nitrate-nitrite as nitrogen in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	NO3NO2	1989Q2		390	UGL
ARP 3	NO3NO2	1993Q1		200	UGL
ARP 3	NO3NO2	1997Q1		178	UGL
ARP 3	NO3NO2	1997Q4		190	UGL
ARP 3	NO3NO2	1998Q3		220	UGL
ARP 3	NO3NO2	1999Q3		130	UGL

Selenium, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	SETOT	1993Q1	U		2 UGL
ARP 3	SETOT	1995Q4	U		5 UGL
ARP 3	SETOT	1995Q4	U		5 UGL
ARP 3	SETOT	1997Q4	U		5 UGL
ARP 3	SETOT	1998Q3	U		5 UGL
ARP 3	SETOT	1999Q3	U		5 UGL

trans-1,2-Dichloroethylene in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	T12DCE	1985Q4		5	UGL
ARP 3	T12DCE	1988Q3		50	UGL
ARP 3	T12DCE	1989Q1		51.9	UGL
ARP 3	T12DCE	1989Q2	U	10	UGL
ARP 3	T12DCE	1989Q3	U	1	UGL
ARP 3	T12DCE	1989Q3	U	10	UGL
ARP 3	T12DCE	1989Q4		70	UGL
ARP 3	T12DCE	1990Q1	U	1	UGL
ARP 3	T12DCE	1990Q2	U	10	UGL
ARP 3	T12DCE	1990Q4		76.3	UGL
ARP 3	T12DCE	1991Q1		64.4	UGL
ARP 3	T12DCE	1991Q1	U	1	UGL
ARP 3	T12DCE	1991Q4	U	10	UGL
ARP 3	T12DCE	1992Q1	U	50	UGL
ARP 3	T12DCE	1992Q2		10.5	UGL
ARP 3	T12DCE	1993Q1	U	5	UGL
ARP 3	T12DCE	1993Q2	U	5	UGL
ARP 3	T12DCE	1993Q3	U	5	UGL
ARP 3	T12DCE	1997Q4	U	1	UGL
ARP 3	T12DCE	1998Q3	U	1	UGL
ARP 3	T12DCE	1999Q3	U	1	UGL

1,1,2,2-Tetrachloroethane in ARP 3

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	TCLEA	1985Q4			10 UGL
ARP 3	TCLEA	1989Q3	U		1 UGL
ARP 3	TCLEA	1989Q3	U		10 UGL
ARP 3	TCLEA	1990Q1	U		1 UGL
ARP 3	TCLEA	1991Q1	U		1 UGL
ARP 3	TCLEA	1993Q1	U		5 UGL
ARP 3	TCLEA	1993Q2	U		5 UGL
ARP 3	TCLEA	1993Q3	U		5 UGL
ARP 3	TCLEA	1995Q4	U		0.5 UGL
ARP 3	TCLEA	1995Q4	UJ		0.5 UGL
ARP 3	TCLEA	1997Q4	U		1 UGL
ARP 3	TCLEA	1998Q3	U		1 UGL
ARP 3	TCLEA	1999Q3	U		1 UGL

Zinc, total recoverable in ARP 3

Data Retrieved by AWSA v1 from GIMS on 23NOV99 at 08:45

Well	Analyte	Sample_Q	Res_Qual	Result	Units
ARP 3	ZNTOT	1995Q4		7.28	UGL
ARP 3	ZNTOT	1995Q4	U	8.85	UGL
ARP 3	ZNTOT	1997Q4	J	1.46	UGL
ARP 3	ZNTOT	1998Q3	U	5	UGL
ARP 3	ZNTOT	1999Q3	U	2.95	UGL
ARP 3	ZNTOT	1999Q3	U	2.95	UGL

WELL BGO-33C DATA

Field pH in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	FPH	1989Q2		5.8	PH
BGO 33C	FPH	1989Q3		6.4	PH
BGO 33C	FPH	1989Q4		6	PH
BGO 33C	FPH	1990Q1		6.4	PH
BGO 33C	FPH	1990Q2		5.4	PH
BGO 33C	FPH	1990Q2		5.4	PH
BGO 33C	FPH	1990Q3		5.6	PH
BGO 33C	FPH	1990Q3		5.6	PH
BGO 33C	FPH	1990Q4		6.1	PH
BGO 33C	FPH	1991Q1		5.8	PH
BGO 33C	FPH	1991Q2		5.9	PH
BGO 33C	FPH	1991Q3		5.7	PH
BGO 33C	FPH	1991Q3		5.9	PH
BGO 33C	FPH	1991Q4		5.9	PH
BGO 33C	FPH	1992Q1		5.4	PH
BGO 33C	FPH	1992Q1		5.4	PH
BGO 33C	FPH	1992Q2		5.2	PH
BGO 33C	FPH	1992Q2		5.2	PH
BGO 33C	FPH	1992Q3		5.6	PH
BGO 33C	FPH	1992Q4		5.3	PH
BGO 33C	FPH	1992Q4		5.9	PH
BGO 33C	FPH	1993Q1		5.7	PH
BGO 33C	FPH	1993Q2		5.7	PH
BGO 33C	FPH	1993Q3		5.6	PH
BGO 33C	FPH	1993Q4		5.6	PH
BGO 33C	FPH	1994Q1		5.7	PH
BGO 33C	FPH	1994Q2		5.7	PH
BGO 33C	FPH	1994Q3		5.6	PH
BGO 33C	FPH	1994Q4		5.6	PH
BGO 33C	FPH	1995Q1		5.6	PH
BGO 33C	FPH	1995Q4		5.3	PH
BGO 33C	FPH	1996Q4		5.4	PH
BGO 33C	FPH	1997Q4		5.4	PH
BGO 33C	FPH	1997Q4		5.4	PH
BGO 33C	FPH	1998Q2		5.2	PH
BGO 33C	FPH	1998Q4		5	PH
BGO 33C	FPH	1998Q4		5.2	PH
BGO 33C	FPH	1999Q3		5.4	PH
BGO 33C	FPH	1999Q3		5.4	PH

Specific Conductance in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 16:22

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	COND	1989Q2		91	USCM
BGO 33C	COND	1989Q3		97	USCM
BGO 33C	COND	1989Q4		76	USCM
BGO 33C	COND	1990Q1		73	USCM
BGO 33C	COND	1990Q1		73	USCM
BGO 33C	COND	1990Q2		59	USCM
BGO 33C	COND	1990Q2		59	USCM
BGO 33C	COND	1990Q3		61	USCM
BGO 33C	COND	1990Q3		61	USCM
BGO 33C	COND	1990Q4		62	USCM
BGO 33C	COND	1991Q1		65	USCM
BGO 33C	COND	1991Q2		64	USCM
BGO 33C	COND	1991Q3		61	USCM
BGO 33C	COND	1991Q3		66	USCM
BGO 33C	COND	1991Q4		64	USCM
BGO 33C	COND	1992Q1		71	USCM
BGO 33C	COND	1992Q1		71	USCM
BGO 33C	COND	1992Q2		66	USCM
BGO 33C	COND	1992Q2		66	USCM
BGO 33C	COND	1992Q3		63	USCM
BGO 33C	COND	1992Q4		50	USCM
BGO 33C	COND	1992Q4		55	USCM
BGO 33C	COND	1993Q1		56	USCM
BGO 33C	COND	1993Q2		60	USCM
BGO 33C	COND	1993Q3		65	USCM
BGO 33C	COND	1993Q4		54	USCM
BGO 33C	COND	1994Q1		55	USCM
BGO 33C	COND	1994Q2		59	USCM
BGO 33C	COND	1994Q3		57	USCM
BGO 33C	COND	1994Q4		52	USCM
BGO 33C	COND	1995Q1		54	USCM
BGO 33C	COND	1995Q4		50	USCM
BGO 33C	COND	1996Q4		56	USCM
BGO 33C	COND	1997Q4		64	USCM
BGO 33C	COND	1997Q4		64	USCM
BGO 33C	COND	1998Q2		62	USCM
BGO 33C	COND	1998Q4		52	USCM
BGO 33C	COND	1998Q4		56	USCM
BGO 33C	COND	1999Q3		54	USCM
BGO 33C	COND	1999Q3		54	USCM

Calcium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CATOT	1992Q4		5090	UGL
BGO 33C	CATOT	1993Q1		4760	UGL
BGO 33C	CATOT	1993Q2	J	4680	UGL
BGO 33C	CATOT	1993Q3		6740	UGL
BGO 33C	CATOT	1993Q3		6910	UGL
BGO 33C	CATOT	1993Q4		4610	UGL
BGO 33C	CATOT	1994Q1		4240	UGL
BGO 33C	CATOT	1994Q2		4370	UGL
BGO 33C	CATOT	1994Q3		4250	UGL
BGO 33C	CATOT	1994Q4		4000	UGL
BGO 33C	CATOT	1994Q4		4070	UGL
BGO 33C	CATOT	1994Q4		4610	UGL
BGO 33C	CATOT	1994Q4		4660	UGL
BGO 33C	CATOT	1994Q4		4770	UGL
BGO 33C	CATOT	1995Q1		4380	UGL
BGO 33C	CATOT	1998Q2		5280	UGL
BGO 33C	CATOT	1998Q4		2970	UGL
BGO 33C	CATOT	1999Q3		3610	UGL

Potassium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	KTOT	1992Q4	U	500	UGL
BGO 33C	KTOT	1993Q1	U	500	UGL
BGO 33C	KTOT	1993Q2	U	500	UGL
BGO 33C	KTOT	1993Q3		511	UGL
BGO 33C	KTOT	1993Q3		534	UGL
BGO 33C	KTOT	1993Q4	U	500	UGL
BGO 33C	KTOT	1994Q1	J	504	UGL
BGO 33C	KTOT	1994Q2	U	500	UGL
BGO 33C	KTOT	1994Q3		596	UGL
BGO 33C	KTOT	1994Q4	J	533	UGL
BGO 33C	KTOT	1994Q4	U	500	UGL
BGO 33C	KTOT	1994Q4	U	500	UGL
BGO 33C	KTOT	1994Q4	U	500	UGL
BGO 33C	KTOT	1995Q1	J	505	UGL
BGO 33C	KTOT	1998Q2		538	UGL
BGO 33C	KTOT	1998Q4		419	UGL
BGO 33C	KTOT	1999Q3		449	UGL

Sodium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	NATOT	1992Q4		3180	UGL
BGO 33C	NATOT	1993Q1		3310	UGL
BGO 33C	NATOT	1993Q2		3350	UGL
BGO 33C	NATOT	1993Q3		3270	UGL
BGO 33C	NATOT	1993Q3		3380	UGL
BGO 33C	NATOT	1993Q4		3110	UGL
BGO 33C	NATOT	1994Q1		3250	UGL
BGO 33C	NATOT	1994Q2		3280	UGL
BGO 33C	NATOT	1994Q3		3280	UGL
BGO 33C	NATOT	1994Q4		3370	UGL
BGO 33C	NATOT	1994Q4		3390	UGL
BGO 33C	NATOT	1994Q4		3400	UGL
BGO 33C	NATOT	1994Q4		3400	UGL
BGO 33C	NATOT	1994Q4		3420	UGL
BGO 33C	NATOT	1995Q1		3440	UGL
BGO 33C	NATOT	1998Q2		4610	UGL
BGO 33C	NATOT	1998Q4		3710	UGL
BGO 33C	NATOT	1999Q3		4210	UGL

Chromium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CRTOT	1992Q4	U		4 UGL
BGO 33C	CRTOT	1993Q1	U		4 UGL
BGO 33C	CRTOT	1993Q2	U		4 UGL
BGO 33C	CRTOT	1993Q3	U		4 UGL
BGO 33C	CRTOT	1993Q3	U		4 UGL
BGO 33C	CRTOT	1993Q4	U		4 UGL
BGO 33C	CRTOT	1994Q1	U		4 UGL
BGO 33C	CRTOT	1994Q2	U		4 UGL
BGO 33C	CRTOT	1994Q3	U		4 UGL
BGO 33C	CRTOT	1994Q4	U		4 UGL
BGO 33C	CRTOT	1994Q4	U		4 UGL
BGO 33C	CRTOT	1994Q4	U		4 UGL
BGO 33C	CRTOT	1994Q4	U		4 UGL
BGO 33C	CRTOT	1994Q4	U		4 UGL
BGO 33C	CRTOT	1995Q1	U		6.67 UGL
BGO 33C	CRTOT	1995Q4	J		1.18 UGL
BGO 33C	CRTOT	1996Q4	U		2.29 UGL
BGO 33C	CRTOT	1997Q4	J		2.93 UGL
BGO 33C	CRTOT	1998Q2	J		2.02 UGL
BGO 33C	CRTOT	1998Q4	J		1.46 UGL
BGO 33C	CRTOT	1998Q4	J		2.1 UGL
BGO 33C	CRTOT	1999Q3	J		1.98 UGL

Iron, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	FETOT	1992Q4		10.3	UGL
BGO 33C	FETOT	1993Q1		12	UGL
BGO 33C	FETOT	1993Q2	U	4	UGL
BGO 33C	FETOT	1993Q3		4.95	UGL
BGO 33C	FETOT	1993Q3		5.03	UGL
BGO 33C	FETOT	1993Q4		7.74	UGL
BGO 33C	FETOT	1994Q1		8.36	UGL
BGO 33C	FETOT	1994Q2	J	6.37	UGL
BGO 33C	FETOT	1994Q3		17.3	UGL
BGO 33C	FETOT	1994Q4		16.9	UGL
BGO 33C	FETOT	1994Q4		39.3	UGL
BGO 33C	FETOT	1994Q4	J	33.8	UGL
BGO 33C	FETOT	1994Q4	U	4	UGL
BGO 33C	FETOT	1994Q4	U	4	UGL
BGO 33C	FETOT	1995Q1	J	5.96	UGL
BGO 33C	FETOT	1998Q2	J	32.1	UGL
BGO 33C	FETOT	1998Q4	J	35.8	UGL
BGO 33C	FETOT	1998Q4	U	50	UGL
BGO 33C	FETOT	1999Q3	U	50	UGL

Manganese, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	MNTOT	1992Q4		31.8	UGL
BGO 33C	MNTOT	1993Q1		30.2	UGL
BGO 33C	MNTOT	1993Q2		29.2	UGL
BGO 33C	MNTOT	1993Q3		32.5	UGL
BGO 33C	MNTOT	1993Q3		33.3	UGL
BGO 33C	MNTOT	1993Q4		29.3	UGL
BGO 33C	MNTOT	1994Q1		29	UGL
BGO 33C	MNTOT	1994Q2		30.2	UGL
BGO 33C	MNTOT	1994Q3		32.1	UGL
BGO 33C	MNTOT	1994Q4		31.1	UGL
BGO 33C	MNTOT	1994Q4		31.3	UGL
BGO 33C	MNTOT	1994Q4		33.1	UGL
BGO 33C	MNTOT	1994Q4		33.6	UGL
BGO 33C	MNTOT	1994Q4		33.8	UGL
BGO 33C	MNTOT	1995Q1		34	UGL
BGO 33C	MNTOT	1998Q2		45.3	UGL
BGO 33C	MNTOT	1998Q4		45.4	UGL
BGO 33C	MNTOT	1999Q3		48.3	UGL

Aluminum, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	ALTOT	1992Q4		61	UGL
BGO 33C	ALTOT	1993Q1		72.5	UGL
BGO 33C	ALTOT	1993Q2		72.3	UGL
BGO 33C	ALTOT	1993Q3		180	UGL
BGO 33C	ALTOT	1993Q3		186	UGL
BGO 33C	ALTOT	1993Q4		659	UGL
BGO 33C	ALTOT	1994Q1		251	UGL
BGO 33C	ALTOT	1994Q2		38.3	UGL
BGO 33C	ALTOT	1994Q3		90.1	UGL
BGO 33C	ALTOT	1994Q4		72.8	UGL
BGO 33C	ALTOT	1994Q4		81.6	UGL
BGO 33C	ALTOT	1994Q4		86.2	UGL
BGO 33C	ALTOT	1994Q4		88.9	UGL
BGO 33C	ALTOT	1994Q4		94	UGL
BGO 33C	ALTOT	1995Q1	J	32.2	UGL
BGO 33C	ALTOT	1998Q2	J	46.1	UGL
BGO 33C	ALTOT	1998Q4	J	40.1	UGL
BGO 33C	ALTOT	1998Q4	J	58.1	UGL
BGO 33C	ALTOT	1999Q3		57.4	UGL

Lead, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	PBTOT	1992Q4	U		3 UGL
BGO 33C	PBTOT	1993Q1	U		3 UGL
BGO 33C	PBTOT	1993Q2	U		3 UGL
BGO 33C	PBTOT	1993Q3	U		3 UGL
BGO 33C	PBTOT	1993Q3	U		3 UGL
BGO 33C	PBTOT	1993Q4	U		3 UGL
BGO 33C	PBTOT	1994Q1	U		3 UGL
BGO 33C	PBTOT	1994Q2	U		3 UGL
BGO 33C	PBTOT	1994Q3	U		3 UGL
BGO 33C	PBTOT	1994Q4	U		3 UGL
BGO 33C	PBTOT	1994Q4	U		3 UGL
BGO 33C	PBTOT	1994Q4	U		3 UGL
BGO 33C	PBTOT	1994Q4	U		3 UGL
BGO 33C	PBTOT	1995Q1	U		5 UGL
BGO 33C	PBTOT	1995Q1	U		5 UGL
BGO 33C	PBTOT	1995Q4	U		5 UGL
BGO 33C	PBTOT	1996Q4	U		2.54 UGL
BGO 33C	PBTOT	1997Q4	U		5 UGL
BGO 33C	PBTOT	1998Q2	J		3.07 UGL
BGO 33C	PBTOT	1998Q4	U		5 UGL
BGO 33C	PBTOT	1998Q4	U		47 UGL
BGO 33C	PBTOT	1999Q3	U		5 UGL

Chloride in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CL	1989Q2		4100	UGL
BGO 33C	CL	1989Q3		4500	UGL
BGO 33C	CL	1989Q4		4800	UGL
BGO 33C	CL	1990Q1		4000	UGL
BGO 33C	CL	1990Q2		4200	UGL
BGO 33C	CL	1990Q2		4400	UGL
BGO 33C	CL	1990Q2		5000	UGL
BGO 33C	CL	1990Q2		5000	UGL
BGO 33C	CL	1990Q3		5410	UGL
BGO 33C	CL	1990Q3		5420	UGL
BGO 33C	CL	1990Q4		5080	UGL
BGO 33C	CL	1991Q1		5090	UGL
BGO 33C	CL	1991Q2		4950	UGL
BGO 33C	CL	1991Q2		5200	UGL
BGO 33C	CL	1991Q3		6300	UGL
BGO 33C	CL	1991Q4		5640	UGL
BGO 33C	CL	1992Q1		5500	UGL
BGO 33C	CL	1992Q2		5440	UGL
BGO 33C	CL	1992Q3		5240	UGL
BGO 33C	CL	1992Q4	J	5400	UGL
BGO 33C	CL	1993Q1		5890	UGL
BGO 33C	CL	1993Q2		5420	UGL
BGO 33C	CL	1993Q2		5520	UGL
BGO 33C	CL	1993Q3		5570	UGL
BGO 33C	CL	1993Q3		5720	UGL
BGO 33C	CL	1993Q4		5710	UGL
BGO 33C	CL	1994Q1		5420	UGL
BGO 33C	CL	1994Q2		5970	UGL
BGO 33C	CL	1994Q2		5990	UGL
BGO 33C	CL	1994Q3	J	1450	UGL
BGO 33C	CL	1994Q4		5200	UGL
BGO 33C	CL	1994Q4		5210	UGL
BGO 33C	CL	1994Q4		5300	UGL
BGO 33C	CL	1994Q4		5890	UGL
BGO 33C	CL	1994Q4		6070	UGL
BGO 33C	CL	1995Q1		5480	UGL
BGO 33C	CL	1998Q2		8350	UGL
BGO 33C	CL	1998Q2		8520	UGL
BGO 33C	CL	1998Q4		7700	UGL
BGO 33C	CL	1998Q4		7720	UGL
BGO 33C	CL	1999Q3		7520	UGL
BGO 33C	CL	1999Q3		7690	UGL

Carbon tetrachloride in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CCL4	1989Q2	U	5	UGL
BGO 33C	CCL4	1989Q3	U	5	UGL
BGO 33C	CCL4	1989Q4	U	5	UGL
BGO 33C	CCL4	1990Q1	U	1	UGL
BGO 33C	CCL4	1990Q2		2	UGL
BGO 33C	CCL4	1990Q2	U	1	UGL
BGO 33C	CCL4	1990Q2	U	5	UGL
BGO 33C	CCL4	1990Q2	U	5	UGL
BGO 33C	CCL4	1990Q3	U	5	UGL
BGO 33C	CCL4	1990Q4	U	5	UGL
BGO 33C	CCL4	1991Q1	U	5	UGL
BGO 33C	CCL4	1991Q2		1.5	UGL
BGO 33C	CCL4	1991Q3		1.02	UGL
BGO 33C	CCL4	1991Q4		1	UGL
BGO 33C	CCL4	1992Q1	U	1	UGL
BGO 33C	CCL4	1992Q2		1.27	UGL
BGO 33C	CCL4	1992Q3	J	1	UGL
BGO 33C	CCL4	1992Q4	U	1	UGL
BGO 33C	CCL4	1993Q1		1.1	UGL
BGO 33C	CCL4	1993Q2		1.3	UGL
BGO 33C	CCL4	1993Q3		1.07	UGL
BGO 33C	CCL4	1993Q4	U	1	UGL
BGO 33C	CCL4	1994Q1	U	1	UGL
BGO 33C	CCL4	1994Q2	U	1	UGL
BGO 33C	CCL4	1994Q3	U	5	UGL
BGO 33C	CCL4	1994Q4	U	1	UGL
BGO 33C	CCL4	1994Q4	U	1	UGL
BGO 33C	CCL4	1994Q4	U	5	UGL
BGO 33C	CCL4	1994Q4	U	5	UGL
BGO 33C	CCL4	1995Q1	J	1.4	UGL
BGO 33C	CCL4	1995Q4	J	1.43	UGL
BGO 33C	CCL4	1996Q4	U	2	UGL
BGO 33C	CCL4	1997Q4	J	0.933	UGL
BGO 33C	CCL4	1998Q2	J	1.11	UGL
BGO 33C	CCL4	1998Q4		1	UGL
BGO 33C	CCL4	1998Q4	JU	5	UGL
BGO 33C	CCL4	1999Q3	J	0.843	UGL

Tetrachloroethylene in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	TCLEE	1989Q2	U	5	UGL
BGO 33C	TCLEE	1989Q3	J	4	UGL
BGO 33C	TCLEE	1989Q4	U	5	UGL
BGO 33C	TCLEE	1990Q1		3	UGL
BGO 33C	TCLEE	1990Q2		3	UGL
BGO 33C	TCLEE	1990Q2		6	UGL
BGO 33C	TCLEE	1990Q2	J	3	UGL
BGO 33C	TCLEE	1990Q2	J	3	UGL
BGO 33C	TCLEE	1990Q3	J	3	UGL
BGO 33C	TCLEE	1990Q4		5	UGL
BGO 33C	TCLEE	1991Q1	J	3	UGL
BGO 33C	TCLEE	1991Q2		5.4	UGL
BGO 33C	TCLEE	1991Q3		3.24	UGL
BGO 33C	TCLEE	1991Q4		4.1	UGL
BGO 33C	TCLEE	1992Q1		3.48	UGL
BGO 33C	TCLEE	1992Q2		4.97	UGL
BGO 33C	TCLEE	1992Q3	J	5.5	UGL
BGO 33C	TCLEE	1992Q4		4.1	UGL
BGO 33C	TCLEE	1993Q1		4.3	UGL
BGO 33C	TCLEE	1993Q2		5.9	UGL
BGO 33C	TCLEE	1993Q3		4.42	UGL
BGO 33C	TCLEE	1993Q4		4.4	UGL
BGO 33C	TCLEE	1994Q1		5.1	UGL
BGO 33C	TCLEE	1994Q2		5.2	UGL
BGO 33C	TCLEE	1994Q3	J	4.52	UGL
BGO 33C	TCLEE	1994Q4		4	UGL
BGO 33C	TCLEE	1994Q4		4.2	UGL
BGO 33C	TCLEE	1994Q4		4.74	UGL
BGO 33C	TCLEE	1994Q4		4.98	UGL
BGO 33C	TCLEE	1995Q1		5.7	UGL
BGO 33C	TCLEE	1995Q4		5.34	UGL
BGO 33C	TCLEE	1996Q4		6	UGL
BGO 33C	TCLEE	1997Q4		5.98	UGL
BGO 33C	TCLEE	1998Q2	J	6.42	UGL
BGO 33C	TCLEE	1998Q4		6.58	UGL
BGO 33C	TCLEE	1998Q4	J	4.96	UGL
BGO 33C	TCLEE	1999Q3		7.08	UGL

Trichloroethylene in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	TRCLE	1989Q2		11	UGL
BGO 33C	TRCLE	1989Q3		37	UGL
BGO 33C	TRCLE	1989Q4		33	UGL
BGO 33C	TRCLE	1990Q1		18	UGL
BGO 33C	TRCLE	1990Q2		15	UGL
BGO 33C	TRCLE	1990Q2		18	UGL
BGO 33C	TRCLE	1990Q2		19	UGL
BGO 33C	TRCLE	1990Q2		19	UGL
BGO 33C	TRCLE	1990Q3		23	UGL
BGO 33C	TRCLE	1990Q4		15	UGL
BGO 33C	TRCLE	1991Q1		18	UGL
BGO 33C	TRCLE	1991Q2		23.3	UGL
BGO 33C	TRCLE	1991Q3		16.8	UGL
BGO 33C	TRCLE	1991Q4		19.5	UGL
BGO 33C	TRCLE	1992Q1		18.4	UGL
BGO 33C	TRCLE	1992Q2		24.3	UGL
BGO 33C	TRCLE	1992Q3	J	24.3	UGL
BGO 33C	TRCLE	1992Q4		22.4	UGL
BGO 33C	TRCLE	1993Q1		22.9	UGL
BGO 33C	TRCLE	1993Q2		27	UGL
BGO 33C	TRCLE	1993Q3		28.1	UGL
BGO 33C	TRCLE	1993Q4		22.4	UGL
BGO 33C	TRCLE	1994Q1		25.8	UGL
BGO 33C	TRCLE	1994Q2		28	UGL
BGO 33C	TRCLE	1994Q3		27.4	UGL
BGO 33C	TRCLE	1994Q4		24.4	UGL
BGO 33C	TRCLE	1994Q4		24.9	UGL
BGO 33C	TRCLE	1994Q4		28.1	UGL
BGO 33C	TRCLE	1994Q4		29.6	UGL
BGO 33C	TRCLE	1995Q1		29.2	UGL
BGO 33C	TRCLE	1995Q4		25	UGL
BGO 33C	TRCLE	1996Q4		30.4	UGL
BGO 33C	TRCLE	1997Q4		54.1	UGL
BGO 33C	TRCLE	1998Q2	J	48.2	UGL
BGO 33C	TRCLE	1998Q4		47.4	UGL
BGO 33C	TRCLE	1998Q4	J	32	UGL
BGO 33C	TRCLE	1999Q3		43.5	UGL

Gross alpha in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	ALPHAG	1989Q2	U	3	PCL
BGO 33C	ALPHAG	1989Q3	U	4	PCL
BGO 33C	ALPHAG	1989Q4		3.4	PCL
BGO 33C	ALPHAG	1989Q4	U	2	PCL
BGO 33C	ALPHAG	1990Q1	U	2	PCL
BGO 33C	ALPHAG	1990Q1	U	2	PCL
BGO 33C	ALPHAG	1990Q1	U	3	PCL
BGO 33C	ALPHAG	1990Q2	U	1	PCL
BGO 33C	ALPHAG	1990Q2	U	2	PCL
BGO 33C	ALPHAG	1990Q2	U	2	PCL
BGO 33C	ALPHAG	1990Q2	U	2	PCL
BGO 33C	ALPHAG	1990Q3	U	2	PCL
BGO 33C	ALPHAG	1990Q4	U	2	PCL
BGO 33C	ALPHAG	1991Q1	U	3	PCL
BGO 33C	ALPHAG	1991Q2	U	2	PCL
BGO 33C	ALPHAG	1991Q3	U	2	PCL
BGO 33C	ALPHAG	1991Q4	U	2	PCL
BGO 33C	ALPHAG	1992Q1	U	2	PCL
BGO 33C	ALPHAG	1992Q2	U	2	PCL
BGO 33C	ALPHAG	1992Q3	U	2	PCL
BGO 33C	ALPHAG	1992Q4	U	2	PCL
BGO 33C	ALPHAG	1993Q1	U	2	PCL
BGO 33C	ALPHAG	1993Q2		2.04	PCL
BGO 33C	ALPHAG	1993Q3	U	2	PCL
BGO 33C	ALPHAG	1993Q4		3.33	PCL
BGO 33C	ALPHAG	1994Q1	UI	0.4	PCL
BGO 33C	ALPHAG	1994Q2	J	0.917	PCL
BGO 33C	ALPHAG	1994Q3		2.66	PCL
BGO 33C	ALPHAG	1994Q4		9.28	PCL
BGO 33C	ALPHAG	1994Q4	J	3.15	PCL
BGO 33C	ALPHAG	1994Q4	UI	0	PCL
BGO 33C	ALPHAG	1994Q4	UI	0.2	PCL
BGO 33C	ALPHAG	1995Q1	UI	1.09	PCL
BGO 33C	ALPHAG	1995Q4	UI	0.809	PCL
BGO 33C	ALPHAG	1996Q4		1.43	PCL
BGO 33C	ALPHAG	1997Q4		1.13	PCL
BGO 33C	ALPHAG	1997Q4		1.6	PCL
BGO 33C	ALPHAG	1998Q2		1.08	PCL
BGO 33C	ALPHAG	1998Q4	J	1.73	PCL
BGO 33C	ALPHAG	1998Q4	J	1.87	PCL
BGO 33C	ALPHAG	1999Q3		2.55	PCL
BGO 33C	ALPHAG	1999Q3	J	1.65	PCL

Tritium in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	TRITIUM	1989Q2		4400	PCML
BGO 33C	TRITIUM	1989Q2		4400	PCML
BGO 33C	TRITIUM	1989Q2		5255.1	PCML
BGO 33C	TRITIUM	1989Q3		5000	PCML
BGO 33C	TRITIUM	1989Q4		5400	PCML
BGO 33C	TRITIUM	1989Q4		6100	PCML
BGO 33C	TRITIUM	1990Q1		570	PCML
BGO 33C	TRITIUM	1990Q1		580	PCML
BGO 33C	TRITIUM	1990Q1		7160	PCML
BGO 33C	TRITIUM	1990Q2		5200	PCML
BGO 33C	TRITIUM	1990Q2		5400	PCML
BGO 33C	TRITIUM	1990Q2		5900	PCML
BGO 33C	TRITIUM	1990Q2		7190	PCML
BGO 33C	TRITIUM	1990Q2		7280	PCML
BGO 33C	TRITIUM	1990Q3		5400	PCML
BGO 33C	TRITIUM	1990Q4		5100	PCML
BGO 33C	TRITIUM	1991Q1		5400	PCML
BGO 33C	TRITIUM	1991Q2		6360	PCML
BGO 33C	TRITIUM	1991Q3		6270	PCML
BGO 33C	TRITIUM	1991Q4		6840	PCML
BGO 33C	TRITIUM	1992Q1		7570	PCML
BGO 33C	TRITIUM	1992Q2		8020	PCML
BGO 33C	TRITIUM	1992Q3		7400	PCML
BGO 33C	TRITIUM	1992Q4		6890	PCML
BGO 33C	TRITIUM	1993Q1		6790	PCML
BGO 33C	TRITIUM	1993Q2		7220	PCML
BGO 33C	TRITIUM	1993Q3		8170	PCML
BGO 33C	TRITIUM	1993Q4		8010	PCML
BGO 33C	TRITIUM	1994Q1		8200	PCML
BGO 33C	TRITIUM	1994Q2		8780	PCML
BGO 33C	TRITIUM	1994Q3		10100	PCML
BGO 33C	TRITIUM	1994Q4		10100	PCML
BGO 33C	TRITIUM	1994Q4		10200	PCML
BGO 33C	TRITIUM	1994Q4		10200	PCML
BGO 33C	TRITIUM	1994Q4		11200	PCML
BGO 33C	TRITIUM	1994Q4		11200	PCML
BGO 33C	TRITIUM	1995Q1		10000	PCML
BGO 33C	TRITIUM	1995Q4		11500	PCML
BGO 33C	TRITIUM	1996Q4		11400	PCML
BGO 33C	TRITIUM	1997Q4		12000	PCML
BGO 33C	TRITIUM	1997Q4		12100	PCML
BGO 33C	TRITIUM	1998Q2		15400	PCML
BGO 33C	TRITIUM	1998Q4		12800	PCML
BGO 33C	TRITIUM	1998Q4		14770	PCML
BGO 33C	TRITIUM	1999Q3		13900	PCML
BGO 33C	TRITIUM	1999Q3		14500	PCML

1,1,1-Trichloroethane in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	111TCE	1989Q2	U	5	UGL
BGO 33C	111TCE	1989Q3	U	5	UGL
BGO 33C	111TCE	1989Q4	U	5	UGL
BGO 33C	111TCE	1990Q1	U	1	UGL
BGO 33C	111TCE	1990Q2	U	1	UGL
BGO 33C	111TCE	1990Q2	U	5	UGL
BGO 33C	111TCE	1990Q2	U	5	UGL
BGO 33C	111TCE	1990Q3	U	5	UGL
BGO 33C	111TCE	1990Q4	U	5	UGL
BGO 33C	111TCE	1991Q1	U	5	UGL
BGO 33C	111TCE	1991Q2	U	1	UGL
BGO 33C	111TCE	1991Q3	U	1	UGL
BGO 33C	111TCE	1991Q4	U	1	UGL
BGO 33C	111TCE	1992Q1	U	1	UGL
BGO 33C	111TCE	1992Q2	U	1	UGL
BGO 33C	111TCE	1992Q3	UJ	1	UGL
BGO 33C	111TCE	1992Q4	U	1	UGL
BGO 33C	111TCE	1993Q1	U	1	UGL
BGO 33C	111TCE	1993Q2	U	1	UGL
BGO 33C	111TCE	1993Q3	U	1	UGL
BGO 33C	111TCE	1993Q4	U	1	UGL
BGO 33C	111TCE	1994Q1	U	1	UGL
BGO 33C	111TCE	1994Q2	U	1	UGL
BGO 33C	111TCE	1994Q3	U	5	UGL
BGO 33C	111TCE	1994Q4	U	1	UGL
BGO 33C	111TCE	1994Q4	U	1	UGL
BGO 33C	111TCE	1994Q4	U	5	UGL
BGO 33C	111TCE	1994Q4	U	5	UGL
BGO 33C	111TCE	1995Q1	U	1.67	UGL
BGO 33C	111TCE	1995Q4	U	2	UGL
BGO 33C	111TCE	1996Q4	U	2	UGL
BGO 33C	111TCE	1997Q4	U	1	UGL
BGO 33C	111TCE	1998Q2	UJ	1	UGL
BGO 33C	111TCE	1998Q4	JU	5	UGL
BGO 33C	111TCE	1998Q4	U	1	UGL
BGO 33C	111TCE	1999Q3	U	1	UGL

1,1-Dichloroethylene in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	11DCE	1989Q2	U	5	UGL
BGO 33C	11DCE	1989Q3	U	5	UGL
BGO 33C	11DCE	1989Q4	U	5	UGL
BGO 33C	11DCE	1990Q1	U	1	UGL
BGO 33C	11DCE	1990Q2	U	1	UGL
BGO 33C	11DCE	1990Q2	U	1	UGL
BGO 33C	11DCE	1990Q2	U	5	UGL
BGO 33C	11DCE	1990Q2	U	5	UGL
BGO 33C	11DCE	1990Q3	U	5	UGL
BGO 33C	11DCE	1990Q4	J	3	UGL
BGO 33C	11DCE	1991Q1	U	5	UGL
BGO 33C	11DCE	1991Q2	U	1	UGL
BGO 33C	11DCE	1991Q3	U	1	UGL
BGO 33C	11DCE	1991Q4	U	1	UGL
BGO 33C	11DCE	1992Q1	U	1	UGL
BGO 33C	11DCE	1992Q2	U	1	UGL
BGO 33C	11DCE	1992Q3	UJ	1	UGL
BGO 33C	11DCE	1992Q4	U	1	UGL
BGO 33C	11DCE	1993Q1	U	1	UGL
BGO 33C	11DCE	1993Q2	U	1	UGL
BGO 33C	11DCE	1993Q3	U	1	UGL
BGO 33C	11DCE	1993Q4	U	1	UGL
BGO 33C	11DCE	1994Q1	U	1	UGL
BGO 33C	11DCE	1994Q2	U	1	UGL
BGO 33C	11DCE	1994Q3	U	5	UGL
BGO 33C	11DCE	1994Q4	U	1	UGL
BGO 33C	11DCE	1994Q4	U	1	UGL
BGO 33C	11DCE	1994Q4	U	5	UGL
BGO 33C	11DCE	1994Q4	U	5	UGL
BGO 33C	11DCE	1995Q1	U	1.67	UGL
BGO 33C	11DCE	1995Q4	U	2	UGL
BGO 33C	11DCE	1996Q4	U	2	UGL
BGO 33C	11DCE	1997Q4	U	1.27	UGL
BGO 33C	11DCE	1998Q2	J	0.758	UGL
BGO 33C	11DCE	1998Q4	U	1.11	UGL
BGO 33C	11DCE	1998Q4	JU	5	UGL
BGO 33C	11DCE	1999Q3	J	0.935	UGL

1,1-Dichloroethane in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	11DCLE	1989Q2	U		5 UGL
BGO 33C	11DCLE	1989Q3	U		5 UGL
BGO 33C	11DCLE	1989Q4	U		5 UGL
BGO 33C	11DCLE	1990Q1	U		1 UGL
BGO 33C	11DCLE	1990Q2	U		1 UGL
BGO 33C	11DCLE	1990Q2	U		1 UGL
BGO 33C	11DCLE	1990Q2	U		5 UGL
BGO 33C	11DCLE	1990Q2	U		5 UGL
BGO 33C	11DCLE	1990Q3	U		5 UGL
BGO 33C	11DCLE	1990Q4	U		5 UGL
BGO 33C	11DCLE	1991Q1	U		5 UGL
BGO 33C	11DCLE	1991Q2	U		1 UGL
BGO 33C	11DCLE	1991Q3	U		1 UGL
BGO 33C	11DCLE	1991Q4	U		1 UGL
BGO 33C	11DCLE	1992Q1	U		1 UGL
BGO 33C	11DCLE	1992Q2	U		1 UGL
BGO 33C	11DCLE	1992Q3	UJ		1 UGL
BGO 33C	11DCLE	1992Q4	U		1 UGL
BGO 33C	11DCLE	1993Q1	U		1 UGL
BGO 33C	11DCLE	1993Q2	U		1 UGL
BGO 33C	11DCLE	1993Q3	U		1 UGL
BGO 33C	11DCLE	1993Q4	U		1 UGL
BGO 33C	11DCLE	1994Q1	U		1 UGL
BGO 33C	11DCLE	1994Q2	U		1 UGL
BGO 33C	11DCLE	1994Q3	U		5 UGL
BGO 33C	11DCLE	1994Q4	U		1 UGL
BGO 33C	11DCLE	1994Q4	U		1 UGL
BGO 33C	11DCLE	1994Q4	U		5 UGL
BGO 33C	11DCLE	1994Q4	U		5 UGL
BGO 33C	11DCLE	1995Q1	U		1.67 UGL
BGO 33C	11DCLE	1995Q4	U		2 UGL
BGO 33C	11DCLE	1996Q4	U		2 UGL
BGO 33C	11DCLE	1997Q4	J		0.968 UGL
BGO 33C	11DCLE	1998Q2	J		0.923 UGL
BGO 33C	11DCLE	1998Q4			1.02 UGL
BGO 33C	11DCLE	1998Q4	JU		5 UGL
BGO 33C	11DCLE	1999Q3	J		0.847 UGL

Barium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	BATOT	1992Q4		12.8	UGL
BGO 33C	BATOT	1993Q1		12.2	UGL
BGO 33C	BATOT	1993Q2		12.1	UGL
BGO 33C	BATOT	1993Q3		12.1	UGL
BGO 33C	BATOT	1993Q3		12.5	UGL
BGO 33C	BATOT	1993Q4		10.9	UGL
BGO 33C	BATOT	1994Q1		10.9	UGL
BGO 33C	BATOT	1994Q2		10.8	UGL
BGO 33C	BATOT	1994Q3		10.7	UGL
BGO 33C	BATOT	1994Q4		10.6	UGL
BGO 33C	BATOT	1994Q4		10.7	UGL
BGO 33C	BATOT	1994Q4		10.8	UGL
BGO 33C	BATOT	1994Q4		10.8	UGL
BGO 33C	BATOT	1995Q1		10.7	UGL
BGO 33C	BATOT	1995Q4		10.9	UGL
BGO 33C	BATOT	1996Q4		11.3	UGL
BGO 33C	BATOT	1997Q4		13.1	UGL
BGO 33C	BATOT	1998Q2		11.2	UGL
BGO 33C	BATOT	1998Q4		10.6	UGL
BGO 33C	BATOT	1998Q4		10.9	UGL
BGO 33C	BATOT	1999Q3		11.5	UGL

Nonvolatile beta in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	BETAG	1989Q2	U	5	PCL
BGO 33C	BETAG	1989Q3	U	4	PCL
BGO 33C	BETAG	1989Q4		5.1	PCL
BGO 33C	BETAG	1989Q4		5.8	PCL
BGO 33C	BETAG	1990Q1		2.7	PCL
BGO 33C	BETAG	1990Q1	U	2	PCL
BGO 33C	BETAG	1990Q1	U	2	PCL
BGO 33C	BETAG	1990Q2		1.6	PCL
BGO 33C	BETAG	1990Q2		3.4	PCL
BGO 33C	BETAG	1990Q2	U	2	PCL
BGO 33C	BETAG	1990Q2	U	4	PCL
BGO 33C	BETAG	1990Q2	U	4	PCL
BGO 33C	BETAG	1990Q3	U	5	PCL
BGO 33C	BETAG	1990Q4	U	4	PCL
BGO 33C	BETAG	1991Q1	U	4	PCL
BGO 33C	BETAG	1991Q2	U	2	PCL
BGO 33C	BETAG	1991Q3	U	2	PCL
BGO 33C	BETAG	1991Q4	U	2	PCL
BGO 33C	BETAG	1992Q1	U	2	PCL
BGO 33C	BETAG	1992Q2	U	2	PCL
BGO 33C	BETAG	1992Q3	U	2	PCL
BGO 33C	BETAG	1992Q4	U	2	PCL
BGO 33C	BETAG	1993Q1	U	2	PCL
BGO 33C	BETAG	1993Q2		5.12	PCL
BGO 33C	BETAG	1993Q3	U	2	PCL
BGO 33C	BETAG	1993Q4		3.28	PCL
BGO 33C	BETAG	1994Q1	UI	0.6	PCL
BGO 33C	BETAG	1994Q2	J	1.04	PCL
BGO 33C	BETAG	1994Q3		2.57	PCL
BGO 33C	BETAG	1994Q4		5.73	PCL
BGO 33C	BETAG	1994Q4		8.85	PCL
BGO 33C	BETAG	1994Q4	UI	0.5	PCL
BGO 33C	BETAG	1994Q4	UI	1.4	PCL
BGO 33C	BETAG	1995Q1	UI	1.45	PCL
BGO 33C	BETAG	1995Q4		2.53	PCL
BGO 33C	BETAG	1996Q4		2.75	PCL
BGO 33C	BETAG	1997Q4		1.51	PCL
BGO 33C	BETAG	1997Q4	UI	1.17	PCL
BGO 33C	BETAG	1998Q2	UI	0.718	PCL
BGO 33C	BETAG	1998Q4	J	2.31	PCL
BGO 33C	BETAG	1998Q4	U	1.73	PCL
BGO 33C	BETAG	1999Q3	J	1.56	PCL
BGO 33C	BETAG	1999Q3	J	1.97	PCL

Cobalt, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	COTOT	1998Q2	J	0.954	UGL
BGO 33C	COTOT	1998Q4	U	5	UGL
BGO 33C	COTOT	1999Q3	U	5	UGL

Copper, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CUTOT	1992Q4	U		4 UGL
BGO 33C	CUTOT	1993Q1	U		4 UGL
BGO 33C	CUTOT	1993Q2	U		4 UGL
BGO 33C	CUTOT	1993Q3	U		4 UGL
BGO 33C	CUTOT	1993Q3	U		4 UGL
BGO 33C	CUTOT	1993Q4	U		4 UGL
BGO 33C	CUTOT	1994Q1	U		4 UGL
BGO 33C	CUTOT	1994Q2	U		4 UGL
BGO 33C	CUTOT	1994Q3	U		4 UGL
BGO 33C	CUTOT	1994Q4	U		4 UGL
BGO 33C	CUTOT	1994Q4	U		4 UGL
BGO 33C	CUTOT	1994Q4	U		4 UGL
BGO 33C	CUTOT	1994Q4	U		4 UGL
BGO 33C	CUTOT	1994Q4	U		4 UGL
BGO 33C	CUTOT	1995Q1	U	6.67	UGL
BGO 33C	CUTOT	1996Q4		8.21	UGL
BGO 33C	CUTOT	1997Q4	U	5	UGL
BGO 33C	CUTOT	1998Q2		13.9	UGL
BGO 33C	CUTOT	1998Q4	J	1.8	UGL
BGO 33C	CUTOT	1998Q4	J	4.34	UGL
BGO 33C	CUTOT	1999Q3	J	3.6	UGL

Cyanide in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	CYN	1991Q1	U		5 UGL
BGO 33C	CYN	1991Q2	U		5 UGL
BGO 33C	CYN	1991Q3	U		5 UGL
BGO 33C	CYN	1991Q4	UJ		5 UGL
BGO 33C	CYN	1992Q1	UJ		5 UGL
BGO 33C	CYN	1992Q2	U		5 UGL
BGO 33C	CYN	1992Q3	UJ		5 UGL
BGO 33C	CYN	1992Q4	U		5 UGL
BGO 33C	CYN	1993Q1	U		5 UGL
BGO 33C	CYN	1993Q2	U		10 UGL
BGO 33C	CYN	1993Q3	UJ		5 UGL
BGO 33C	CYN	1993Q4	U		5 UGL
BGO 33C	CYN	1994Q1	U		5 UGL
BGO 33C	CYN	1994Q2	U		5 UGL
BGO 33C	CYN	1994Q3	U		5 UGL
BGO 33C	CYN	1994Q4	U		5 UGL
BGO 33C	CYN	1994Q4	U		5 UGL
BGO 33C	CYN	1994Q4	U		5 UGL
BGO 33C	CYN	1994Q4	U		5 UGL
BGO 33C	CYN	1994Q4	U		5 UGL
BGO 33C	CYN	1995Q1	UJ	8.33	UGL
BGO 33C	CYN	1998Q2	UJ		10 UGL
BGO 33C	CYN	1998Q4	U		10 UGL
BGO 33C	CYN	1999Q3	U		10 UGL

Fluoride in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	F	1989Q2	U	250	UGL
BGO 33C	F	1989Q3	U	250	UGL
BGO 33C	F	1989Q4	U	250	UGL
BGO 33C	F	1990Q1	U	100	UGL
BGO 33C	F	1990Q2	U	100	UGL
BGO 33C	F	1990Q2	U	100	UGL
BGO 33C	F	1990Q2	U	250	UGL
BGO 33C	F	1990Q2	U	250	UGL
BGO 33C	F	1990Q3	U	250	UGL
BGO 33C	F	1990Q3	U	250	UGL
BGO 33C	F	1990Q4	U	250	UGL
BGO 33C	F	1991Q1	U	250	UGL
BGO 33C	F	1991Q2		130	UGL
BGO 33C	F	1991Q3	U	100	UGL
BGO 33C	F	1991Q4	U	100	UGL
BGO 33C	F	1992Q1	U	100	UGL
BGO 33C	F	1992Q2	U	100	UGL
BGO 33C	F	1992Q3	U	100	UGL
BGO 33C	F	1992Q4	U	100	UGL
BGO 33C	F	1992Q4	U	100	UGL
BGO 33C	F	1992Q4	U	100	UGL
BGO 33C	F	1993Q1	U	100	UGL
BGO 33C	F	1993Q2	U	100	UGL
BGO 33C	F	1993Q3	U	100	UGL
BGO 33C	F	1993Q4	U	100	UGL
BGO 33C	F	1993Q4	U	100	UGL
BGO 33C	F	1994Q1	U	100	UGL
BGO 33C	F	1994Q2	UJ	100	UGL
BGO 33C	F	1994Q3	U	100	UGL
BGO 33C	F	1994Q4	U	20	UGL
BGO 33C	F	1994Q4	U	20	UGL
BGO 33C	F	1994Q4	U	20	UGL
BGO 33C	F	1994Q4	U	100	UGL
BGO 33C	F	1994Q4	U	100	UGL
BGO 33C	F	1995Q1	U	50	UGL

Mercury, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	HGTOT	1992Q4		1.66	UGL
BGO 33C	HGTOT	1993Q1		1.46	UGL
BGO 33C	HGTOT	1993Q2		1.68	UGL
BGO 33C	HGTOT	1993Q3		2.21	UGL
BGO 33C	HGTOT	1993Q4		2.37	UGL
BGO 33C	HGTOT	1994Q1		2.79	UGL
BGO 33C	HGTOT	1994Q2		1.26	UGL
BGO 33C	HGTOT	1994Q2		1.36	UGL
BGO 33C	HGTOT	1994Q3		3.4	UGL
BGO 33C	HGTOT	1994Q4		2.79	UGL
BGO 33C	HGTOT	1994Q4		3.35	UGL
BGO 33C	HGTOT	1994Q4		3.39	UGL
BGO 33C	HGTOT	1994Q4		4.11	UGL
BGO 33C	HGTOT	1995Q1		3.97	UGL
BGO 33C	HGTOT	1995Q4		5.43	UGL
BGO 33C	HGTOT	1996Q4		5.4	UGL
BGO 33C	HGTOT	1997Q4		6.67	UGL
BGO 33C	HGTOT	1998Q2		6.42	UGL
BGO 33C	HGTOT	1998Q4		5.1	UGL
BGO 33C	HGTOT	1998Q4		5.76	UGL
BGO 33C	HGTOT	1999Q3		6.5	UGL

Nickel, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	NITOT	1992Q4	U		4 UGL
BGO 33C	NITOT	1993Q1	U		4 UGL
BGO 33C	NITOT	1993Q2		5.02	UGL
BGO 33C	NITOT	1993Q3	U		4 UGL
BGO 33C	NITOT	1993Q3	U		4 UGL
BGO 33C	NITOT	1993Q4	U		4 UGL
BGO 33C	NITOT	1994Q1	U		4 UGL
BGO 33C	NITOT	1994Q2	U		4 UGL
BGO 33C	NITOT	1994Q3	U		4 UGL
BGO 33C	NITOT	1994Q4	U		4 UGL
BGO 33C	NITOT	1994Q4	U		4 UGL
BGO 33C	NITOT	1994Q4	U		4 UGL
BGO 33C	NITOT	1994Q4	U		4 UGL
BGO 33C	NITOT	1995Q1	U		6.67 UGL
BGO 33C	NITOT	1995Q4	J		0.987 UGL
BGO 33C	NITOT	1996Q4	J		1.23 UGL
BGO 33C	NITOT	1997Q4	J		2.9 UGL
BGO 33C	NITOT	1998Q2	J		3.28 UGL
BGO 33C	NITOT	1998Q4	J		2.7 UGL
BGO 33C	NITOT	1998Q4	JU		1.39 UGL
BGO 33C	NITOT	1999Q3	J		3.3 UGL

Nitrate-nitrite as nitrogen in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	NO3NO2	1991Q4		950	UGL
BGO 33C	NO3NO2	1991Q4		950	UGL
BGO 33C	NO3NO2	1991Q4		950	UGL
BGO 33C	NO3NO2	1991Q4		950	UGL
BGO 33C	NO3NO2	1992Q1		1060	UGL
BGO 33C	NO3NO2	1992Q2		1130	UGL
BGO 33C	NO3NO2	1992Q2		1140	UGL
BGO 33C	NO3NO2	1992Q3		1110	UGL
BGO 33C	NO3NO2	1992Q4		5300	UGL
BGO 33C	NO3NO2	1992Q4		5700	UGL
BGO 33C	NO3NO2	1993Q1		1170	UGL
BGO 33C	NO3NO2	1993Q2		1270	UGL
BGO 33C	NO3NO2	1993Q3		1110	UGL
BGO 33C	NO3NO2	1993Q4		1080	UGL
BGO 33C	NO3NO2	1993Q4		1080	UGL
BGO 33C	NO3NO2	1994Q1		930	UGL
BGO 33C	NO3NO2	1994Q1		940	UGL
BGO 33C	NO3NO2	1994Q2		990	UGL
BGO 33C	NO3NO2	1994Q4		1090	UGL
BGO 33C	NO3NO2	1994Q4		1140	UGL
BGO 33C	NO3NO2	1994Q4	J	1120	UGL
BGO 33C	NO3NO2	1995Q1		1110	UGL

Selenium, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	SETOT	1992Q4	U		2 UGL
BGO 33C	SETOT	1993Q1	U		2 UGL
BGO 33C	SETOT	1993Q2	U		2 UGL
BGO 33C	SETOT	1993Q3	U		2 UGL
BGO 33C	SETOT	1993Q3	U		2 UGL
BGO 33C	SETOT	1993Q4	U		2 UGL
BGO 33C	SETOT	1994Q1	U		2 UGL
BGO 33C	SETOT	1994Q2	U		2 UGL
BGO 33C	SETOT	1994Q3	U		2 UGL
BGO 33C	SETOT	1994Q4	U		2 UGL
BGO 33C	SETOT	1994Q4	U		2 UGL
BGO 33C	SETOT	1994Q4	U		2 UGL
BGO 33C	SETOT	1994Q4	U		2 UGL
BGO 33C	SETOT	1995Q1	U		3.33 UGL
BGO 33C	SETOT	1995Q1	U		3.33 UGL
BGO 33C	SETOT	1995Q4	U		5 UGL
BGO 33C	SETOT	1996Q4	J		3.13 UGL
BGO 33C	SETOT	1997Q4	J		2.44 UGL
BGO 33C	SETOT	1998Q2	J		4.05 UGL
BGO 33C	SETOT	1998Q4	JU		3.01 UGL
BGO 33C	SETOT	1998Q4	U		66 UGL
BGO 33C	SETOT	1999Q3	U		5 UGL

trans-1,2-Dichloroethylene in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	T12DCE	1989Q2	U	5	UGL
BGO 33C	T12DCE	1989Q3		190	UGL
BGO 33C	T12DCE	1989Q4	U	5	UGL
BGO 33C	T12DCE	1990Q1	U	1	UGL
BGO 33C	T12DCE	1990Q2	U	1	UGL
BGO 33C	T12DCE	1990Q2	U	1	UGL
BGO 33C	T12DCE	1990Q2	U	5	UGL
BGO 33C	T12DCE	1990Q2	U	5	UGL
BGO 33C	T12DCE	1990Q3		190	UGL
BGO 33C	T12DCE	1990Q4	U	5	UGL
BGO 33C	T12DCE	1991Q1		130	UGL
BGO 33C	T12DCE	1991Q2	U	1	UGL
BGO 33C	T12DCE	1991Q3	U	1	UGL
BGO 33C	T12DCE	1991Q4	U	1	UGL
BGO 33C	T12DCE	1992Q1	U	1	UGL
BGO 33C	T12DCE	1992Q2	U	1	UGL
BGO 33C	T12DCE	1992Q3	UJ	1	UGL
BGO 33C	T12DCE	1992Q4	U	1	UGL
BGO 33C	T12DCE	1993Q1	U	1	UGL
BGO 33C	T12DCE	1993Q2	U	1	UGL
BGO 33C	T12DCE	1993Q3	U	1	UGL
BGO 33C	T12DCE	1993Q4	U	1	UGL
BGO 33C	T12DCE	1994Q1	U	1	UGL
BGO 33C	T12DCE	1994Q2	U	1	UGL
BGO 33C	T12DCE	1994Q3	U	5	UGL
BGO 33C	T12DCE	1994Q4	U	1	UGL
BGO 33C	T12DCE	1994Q4	U	1	UGL
BGO 33C	T12DCE	1994Q4	U	5	UGL
BGO 33C	T12DCE	1994Q4	U	5	UGL
BGO 33C	T12DCE	1995Q1	U	1.67	UGL
BGO 33C	T12DCE	1995Q4	U	2	UGL
BGO 33C	T12DCE	1996Q4	U	2	UGL
BGO 33C	T12DCE	1997Q4	J	0.364	UGL
BGO 33C	T12DCE	1998Q2	UJ	1	UGL
BGO 33C	T12DCE	1998Q4	JU	5	UGL
BGO 33C	T12DCE	1998Q4	U	1	UGL
BGO 33C	T12DCE	1999Q3	U	1	UGL

1,1,2,2-Tetrachloroethane in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	TCLEA	1989Q2	U		5 UGL
BGO 33C	TCLEA	1989Q3	U		5 UGL
BGO 33C	TCLEA	1989Q4	U		5 UGL
BGO 33C	TCLEA	1990Q1	U		1 UGL
BGO 33C	TCLEA	1990Q2	U		1 UGL
BGO 33C	TCLEA	1990Q2	U		1 UGL
BGO 33C	TCLEA	1990Q2	U		5 UGL
BGO 33C	TCLEA	1990Q2	U		5 UGL
BGO 33C	TCLEA	1990Q3	U		5 UGL
BGO 33C	TCLEA	1990Q4	U		5 UGL
BGO 33C	TCLEA	1991Q1	U		5 UGL
BGO 33C	TCLEA	1991Q2	U		1 UGL
BGO 33C	TCLEA	1991Q3	U		1 UGL
BGO 33C	TCLEA	1991Q4	U		1 UGL
BGO 33C	TCLEA	1992Q1	U		1 UGL
BGO 33C	TCLEA	1992Q2	U		1 UGL
BGO 33C	TCLEA	1992Q3	UJ		1 UGL
BGO 33C	TCLEA	1992Q4	U		1 UGL
BGO 33C	TCLEA	1993Q1	U		1 UGL
BGO 33C	TCLEA	1993Q2	U		1 UGL
BGO 33C	TCLEA	1993Q3	U		1 UGL
BGO 33C	TCLEA	1993Q4	U		1 UGL
BGO 33C	TCLEA	1994Q1	U		1 UGL
BGO 33C	TCLEA	1994Q2	U		1 UGL
BGO 33C	TCLEA	1994Q3	U		5 UGL
BGO 33C	TCLEA	1994Q4	U		1 UGL
BGO 33C	TCLEA	1994Q4	U		1 UGL
BGO 33C	TCLEA	1994Q4	U		5 UGL
BGO 33C	TCLEA	1995Q1	U	1.67	UGL
BGO 33C	TCLEA	1995Q4	U		2 UGL
BGO 33C	TCLEA	1996Q4	U		2 UGL
BGO 33C	TCLEA	1997Q4	U		1 UGL
BGO 33C	TCLEA	1998Q2	UJ		1 UGL
BGO 33C	TCLEA	1998Q4	JU		5 UGL
BGO 33C	TCLEA	1998Q4	U		1 UGL
BGO 33C	TCLEA	1999Q3	U		1 UGL

Zinc, total recoverable in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 23NOV99 at 08:45

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	ZNTOT	1996Q4	J	9.41	UGL
BGO 33C	ZNTOT	1997Q4	U	5.72	UGL
BGO 33C	ZNTOT	1998Q2		32.4	UGL
BGO 33C	ZNTOT	1998Q4		6.2	UGL
BGO 33C	ZNTOT	1998Q4	J	5.5	UGL
BGO 33C	ZNTOT	1999Q3		11.9	UGL

Bromide in BGO 33C

Data Retrieved by AWSA v1 from GIMS on 09NOV99 at 15:50

Well	Analyte	Sample_Q	Res_Qual	Result	Units
BGO 33C	BR	1997Q4	J	44	UGL
BGO 33C	BR	1998Q2	U	50	UGL
BGO 33C	BR	1998Q2	U	65	UGL
BGO 33C	BR	1998Q4	U	250	UGL
BGO 33C	BR	1998Q4	U	250	UGL
BGO 33C	BR	1998Q4	U	250	UGL
BGO 33C	BR	1998Q4	U	250	UGL
BGO 33C	BR	1999Q3	J	49	UGL
BGO 33C	BR	1999Q3	J	87	UGL